2025 ANNUAL GROUNDWATER QUALITY REPORT

FOR THE
MARSHALL COUNTY SANITARY LANDFILL
64-SDP-2-75P
MARSHALLTOWN, IOWA

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January, 2026

6003-23A.320

Table of Contents

Certification
Section 1.0 Background Information
Monitoring Well Maintenance Performance Reevaluation
Section 2.0 Reporting Period Activities
Section 3.0 Data Evaluation and Summary
Quality Assurance/Quality Control
Background data Validation
Site Specific GWPS
Statistically Significant Increases/Exceedances of Prediction Limits
Assessment Monitoring
Statistically Significant Levels
Assessment of Corrective Measures, Corrective Action Evaluations & Monitoring
Progress Towards Remedy Completion
Section 4.0 Leachate Collection System Performance Reevaluation
Section 5.0 Gas Monitoring Evaluation
Section 6.0 Recommendations
Figures
Figure 1 – Site Plan & Gas Monitoring Locations
Figure 2 – Water Table Contour Map
Figure 3 – SRAMP-B & PECS-B Location Map
Figure 4 – Corrective Action Plan Map
Figure 5 – Iso-Contour Map -arsenic
Figure 6 - Iso-Contour Map -cobalt
Figure 7 - Iso-Contour Map – cis-1,2-dichloroethene
Figure 8 - Iso-Contour Map – 1,2-dichloropropane
Figure 9 - Iso-Contour Map – vinyl chloride
Tables in IDNR Format
Table 1 – Monitoring Program Summary
Table 2 – Monitoring Program Implementation Schedule
Table 2A – Summary of Monitoring Over Time
Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule
Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary
Table 4A – Water Elevation Summary Over Time
Table 5 – Background and GWPS Summary
Table 6 – Summary of Detections
Table 7 – Summary of Ongoing and Newly Identified SSI – **Interwell**
Table 7A – Summary of Ongoing and Newly Identified SSI - **Intrawell**
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 14 – LW-75 Leachate Quality Data
Table 15 – CAMP -Vent Gas Evaluation Summary
Table 16 – CAMP - Well Evaluation Summary
Table 17 – Progress of the Remedy

Appendices

Appendix A - Field Sampling Forms
Appendix B - Statistical Reports
Appendix C - Laboratory Reports for Report Period
Appendix D – Turbidity
Appendix E – Prediction Limit Exceedances
Appendix F - Assessment Monitoring Results
Appendix G – Leachate Collection System Map & Information

Certification

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Section 1.0 Background Information

1.1 Report Format

Table 1 through Table 17 are attached to this report and satisfy the IDNR requirement to provide the tables to meet the IDNR format requirements included in Special Provision 4i of Revised Permit #7, dated May 8, 2025 (Doc #113033).

1.2 Report Priority

No special priority is requested related to the review of this document.

A groundwater characterization study was performed in the vicinity of MW-96R and was submitted to IDNR on January 17, 2024 (Doc #108834). The study identified an alternate source for the elevated concentrations of arsenic and cobalt at MW-96R. The elevated arsenic and cobalt are not attributed to a landfill or landfill gas source. This study was approved in the IDNR Letter dated May 28, 2024 (Doc #110151) and MW-96R is herein designated a downgradient point of compliance well in detection monitoring. Note that supplemental full Appendix II sampling is performed on a 5-year frequency at MW-96R even though the well is in the detection monitoring system.

1.3 Period of Report Coverage

Water quality data includes a running compilation of data beginning in March, 2008. Statistical evaluations herein are based only upon the "no-purge" data collected October 16, 2014 through the most recent. The 2025 data collection events occurred April 14, 2025, and October 6, 2025.

1.4 Current Site Map

Figure 1 is attached illustrating the current site features and monitoring locations.

1.5 Site Status and Applicable Rules

Site Location

The Marshall County Sanitary Landfill is located in SE1/4 Section 31, T84N, R18W and the west 970 feet of SW1/4 Sections 32, T84N, R18W, and part of the NW1/4 Section 5, T83N R18W, and part of the NE1/4 Section 5, T83N R18W. The site encompasses approximately 388 acres. The facility is situated on Marshalltown Boulevard approximately 1 mile southwest of the corporate limits of Marshalltown, Iowa. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 64-SDP-2-75P.

Landfill Layout

The site is situated in the uplands between the Iowa River valley to the north and the Linn Creek alluvial valley to the south. Expansion Areas are designated Area B-1, B-2, B-3, and B-4, and Areas C/D. Areas B-1, B-2, B-3, and Area C/D are closed. Area B-4 is the active RCRA Subtitle D landfill expansion area.

Applicable Rules

Iowa Administrative Code (IAC) 567-113 is applicable to the site due to the contiguous nature of the closed Areas B-1, B-2, B-3, C/D and the active area (B-4).

1.6 Summary of Hydrologic Monitoring System Plan (HMSP)

The approved HMSP includes fifteen (15) monitoring wells, a tile line discharge pipe (SRAMP-B), and a discharge point from a Passive Engineered Conveyance System (PECS-B). MW-66, MW-85, MW-98, and MW-99 are the designated background/upgradient wells for the facility. The Site Plan and the approved monitoring network is illustrated on Figure 1. The current HMSP is summarized in Table 1. The HMSP Implementation Schedule for 2026 is itemized in Table 2.

MONITORING WELL MAINTENANCE PERFORMANCE REEVALUATION

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

High & Low Water Levels

Current year water elevation data is included on Table 4. Historic water elevation data (1992 to 2025) is included in the Table 4A. The maximum depth to water and the minimum depth to water are included in the tables. A Water Table Contour Map (Figure 2) dated October, 2025 is included with this report. The Water Table Contour Map illustrates the water table surface and the effects of the topography.

Well Depth & Sedimentation

Well depth measurements were made on October 6, 2025. Review of the well depth data included on Table 4 indicate that well sedimentation is estimated to be 1.1 foot, or less, at all site monitoring wells. Based on this recorded data, recharge to the individual wells is sufficient to promote collection of representative water quality samples and the wells are functioning as intended.

Well Recharge Rates & Chemistry

The monitoring wells included in the HMSP were installed at various times between 1989 and 2022. Monitoring Well Maintenance Performance Reevaluations (MWMPR's) were completed every five (5) years in accordance with previous rules (June, 1996; May, 2001; and March, 2006). The MWMPR's were submitted to IDNR. All reports concluded that the integrity of all monitoring wells was intact, and that no changes in monitoring system were recommended.

Monitoring well recharge reevaluation is now due biennially according to 113.10(2)f. Field recovery data for April 16, 2024 is recorded on Table 4. Review of the recorded field data on IDNR Form 542-1322 for April 16, 2024, indicate that water levels within each well generally recover (fully or in excess of 90%) within 8 hours following purging. MW-95 required longer than 8 hours, but less than 24 hours to recover. Well recovery information indicates that recharge to the individual wells remained sufficient to promote collection of representative water quality samples and the wells were functioning as intended. Monitoring well recharge reevaluation is due biennially according to 113.10(2)"f", and should be evaluated again in 2026.

A Groundwater Contour Map (Figure 2) dated October 6, 2025 is attached. Review of the map confirms little change in the water table surface since 2017 when Subarea B-4-7 was constructed.

Based on the apparent static condition of the water table across the site, the conclusions of the Monitoring Well Maintenance Performance Reevaluation, 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. Further, the wells are interpreted to be appropriately located to detect any impact, should it occur. No changes or modifications to the site monitoring wells are recommended.

MW-66 was dry in October, 2017 following the completion of the groundwater underdrain system in Subarea B-4-7 and remained dry through 2025. MW-66 is expected to remain dry permanently. MW-66 has performed as a background well for the facility. Since there are no background well spacing requirements in rule, the well may, or may not, be replaced in the future, dependent upon needs. The available background data from MW-66 will be maintained in the background data pool going forward.

MW-96 was plugged on July 13, 2020 to make way for road improvements at the site. The well abandonment records (Doc #98067) were approved on September 30, 2020 (Doc #98549). MW-96 was replaced with MW-96R, constructed October 23, 2020. Construction documentation was submitted to IDNR on November 6, 2020 (Doc #98866). MW-96R is in the HMSP with the initial sampling event completed in April, 2021.

Alternate Source – MW-96R
As discussed previously in this report, an alternate source for the elevated metals at MW-96R has been documented (Doc # 108834) and was approved by IDNR on May 28, 2024 (Doc #110151).

Based on the identified alternate source, Statistically Significant Increases (SSI) and/or Statistically Significant Levels (SSL) for inorganic compounds will be identified if both the interwell prediction limit and the intrawell control limit are exceeded at MW-96R.

An insufficient number of data points are currently on record for a robust background at MW-96R. The database for MW-96R will increase with time. The minimum complete intrawell data set for all inorganic compounds at MW-96R will be achieved in 2027.

Section 2.0 Reporting Period Monitoring Activities

Table 1 and Table 2 include information related to the Monitoring Activities at this facility. A summary of all well testing beginning March 28, 2008 is included in Table 2A.

Field sampling information for the April 14, 2025, and October 6, 2025, sampling episodes is included on the field forms (IDNR Form 542-1322) in Appendix A.

A comprehensive summary of Analytical Results for the episodes between March 28, 2008 and October 6, 2025, is included in Table 9. A summary of the Appendix II sample collection events at each well is included on Table 2.

2.1 Current Detection Monitoring Activities

Background wells MW-66, MW-85, MW-98, and MW-99; and downgradient monitoring wells MW-87, MW-89, MW-93, MW-95, MW-96R, MW-97, and tile line SRAMP-B are the wells/points on site that remain in detection monitoring. Note that supplemental full Appendix II sampling is performed on a 5-year frequency at MW-93 and MW-96R even though the wells are in the detection monitoring system.

2.2 Current Assessment Monitoring Activities

Monitoring well MW-91 is included in the assessment monitoring program.

The full Appendix II parameter list is analyzed on an approved five (5) year frequency at all assessment wells. Approval of the five (5) year frequency is included in Special Provision 4.f. of Revised Permit #7, dated May 8, 2025 (Doc #113033).

The most recent full Appendix II sampling was completed in 2023 at MW-91.

2.3 Passive Engineered Conveyance Structure (PECS) Monitoring

The SRAMP diversion tile line near Area B-2 is discharged into a PECS (Figure 3). The tile line end where sampling is performed is designated SRAMP-B. The discharge from the PECS is designated as sampling point PECS-B. Note that the SRAMP tile line (SRAMP-B) and the associated PECS (PECS-B) are commonly recorded as being dry.

2.4 Supplemental Monitoring Points

Monitoring wells MW-49, MW-54, MW-81, and MW-94 are supplemental monitoring points within the Corrective Action Monitoring System (Figure 4). Sampling frequency is semi-annually at MW-49, MW-54, MW-81, and MW-94 for Appendix I compounds.

2.5 Correction Action Monitoring Activities

Leachate Well LW-75 and Passive Gas Vents 1-27 were the Corrective Action Monitoring Points (CAMP). Based on approval of the completion of the remedy (monitored natural attenuation at MW-49, MW-54, MW-81, and MW-94), the requirement for Corrective Action Monitoring was terminated by IDNR on May 8, 2025 (Doc #113032), The Corrective Action Monitoring points were removed from Special Provision 4 of Revised Permit #7, dated May 8, 2025 (Doc #113033). The final 2025 CAMP results are reported herein.

Section 3.0 Data Evaluation and Summary

Statistical Evaluations are prepared by Otter Creek Environmental Services for the Spring and Fall monitoring episodes. The Groundwater Statistics Report for the Marshall County Sanitary Landfill, First Semi-Annual Monitoring Event in 2025, dated July, 2025 is included in Appendix B.1. The Groundwater Statistics Report for the Marshall County Sanitary Landfill, Second Semi-Annual Monitoring Event in 2025, dated October, 2025 is included in Appendix B.2.

The Analytical Reports for the laboratory testing from 2025 (April 14, 2025, and October 6, 2025) sampling events are included in Appendix C.

QUALITY ASSURANCE/QUALITY CONTROL

A blind duplicate sample was collected at MW-87 during the April 14, 2025, sampling episode. A blind duplicate was collected at MW-94 during the October 6, 2025, sampling episode.

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

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

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

The results of the blind duplicate and the monitoring well results (April 14, 2025, and October 6, 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 # 80716). A TSS and Field Turbidity Evaluation Report was prepared and submitted on February 24, 2015 (Doc# 82541), and was approved by IDNR in the September 30, 2015 IDNR Response Letter (Doc #84311). The approved TSS and Field Turbidity Evaluation Report includes a requirement to evaluate and sort data within the background data pool and retain only data that is validated as appropriate.

The background data has been limited to only the data collected by "no-purge" sample collection methods since October 2014. A summary of the field turbidity data at each well associated with the "no-purge" sample collection events is included in Appendix D. No events occurred during sampling in 2025 that induced mechanically increased turbidity. The turbidity values recorded are representative of the natural formation during each sample collection event and all samples are deemed appropriate for use in evaluating the site.

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

are summarized on Table 5. Table 5 also included the calculated Control Limits utilized in the intrawell evaluations at MW-93 and MW-96R.

Outlier testing is applied to the background data pool to identify and remove extreme values. Dixon's Test Outliers 1% Significance Level, Table 6, Attachment B, to the October 2025 Statistical Evaluation Report (Appendix B.2) includes a summary of the outlier testing results.

SITE SPECIFIC GWPS

Review of the inorganic Prediction Limits in Table 5 indicates that the prediction limit for cobalt (currently 5.7858 ug/L) calculated from the background data exceeds the published IAC 567, Chapter 137 Statewide Standard (2.1 ug/L). The Site-Specific GWPS should not be set lower than the Site Prediction Limit calculated from the site background data. *For this report, the published IAC 567, Chapter 137 Statewide Standards are used as the GWPS, except for cobalt, where the Site Specific GWPS of 5.7858 ug/L is utilized. The Site Specific GWPS for cobalt is equivalent to the Site Prediction Limits.*

Note also that the Intrawell Control Limits calculated for inorganic compounds (specifically arsenic, barium, and cobalt) at MW-93 and MW-96R typically exceed the published IAC 567, Chapter 137 Statewide Standards (Table 5).

STATISTICALLY SIGNIFICANT INCREASES (SSI)/EXCEEDANCES OF LIMITS

MW-93 and MW-96R are evaluated by intrawell statistical methods in addition to the interwell statistical methods. Interwell prediction limit exceedances at MW-93 and MW-96R are not considered to be SSI, unless the intrawell control limits for MW-93 and MW-96R are also exceeded. There are *no exceedances* of the intrawell control limit at MW-93 or MW-96R. Therefore, no SSI are recorded at MW-93 or MW-96R.

This method of a two (2) part statistical evaluation (interwell and intrawell) where an SSI is identified only when both the interwell prediction limit and the intrawell control limit are exceeded is explicitly approved for MW-96R in the IDNR Letter dated May 28, 2024 (Doc #110151). The same method of evaluation is also applied at MW-93 which was approved for intrawell statistical evaluation on June 1, 2020 (Doc #97844).

All other wells are evaluated only by Interwell Statistical methods and include: MW-66, MW-85, MW-98, MW-99, MW-87, MW-89, MW-91, MW-95, MW-97, and SRAMP-B

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

Since the Prediction limit for VOC is set at the laboratory Method Reporting Limit, any VOC detection is recorded as an SSI. Table 6 is a summary of all compounds at site monitoring wells that have exceeded a *current* prediction limit (in 2025).

There are no interwell prediction limit exceedance recorded in the current detection monitoring system wells.

There is an exceedance recorded in an assessment monitoring well. The selenium concentration reported April 14, 2025, at MW-91 (assessment monitoring system) exceeded the current interwell prediction limit.

The arsenic, cobalt, and nickel at MW-93 exceeded the current interwell prediction limit. However, this well is also evaluated by intrawell methods as approved by IDNR. There are no intrawell control limit exceedances recorded at MW-93 (see below).

The cobalt and selenium at MW-96R exceeded the current interwell prediction limit. However, this well is also evaluated by intrawell methods as approved by IDNR. There are no intrawell control limit exceedances recorded at MW-96R (see below).

MW-66, MW-85, MW-98, MW-99, MW-87, MW-89, MW-93, MW-95, MW-96R, MW-97, and SRAMP-B remain in the detection monitoring system. MW-91 remains in the assessment monitoring system.

The interwell prediction limit versus results evaluations are included in Table 7. SSI are highlighted in light brown on Table 7. Historically, SSI are recorded at MW-91 and MW-91 is included in the assessment monitoring program.

Exceedance of the historic interwell prediction limits are summarized on Table 1. A running summary of recorded Prediction Limit exceedances by year is included in Appendix E.

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

Intrawell Statistical Evaluations
MW-93 and MW-96R are evaluated by Intrawell statistical methods for inorganics. Any detected VOC would be considered an SSI. To date both MW-93 and MW-96R are free of VOC detections.

MW-93 is the lagoon monitoring point and is determined to be situated in a distinct hydrogeological setting at the site. Intrawell statisitical evaluations have been ongoing at MW-93 based on data collected since October 16, 2014. The background dataset is robust and includes 13 data points at MW-93.

MW-96R is a downgradient point of compliance well, also situated in a unique hydrogeologic setting. The subsurface environment at MW-96R is documented to be low pH with reducing conditions. The subsurface environment is documented to be free of indications of direct landfill impacts or landfill gas impacts. The subsurface environment is identified as an alternate source

of the elevated inorganics at MW-96R. Intrawell statistics are employed at MW-96R in order to evaluate the natural concentrations of inorganic compounds.

Based on the Intrawell Statistical Evaluations at MW-93 and MW-96R, there are no control limit exceedances and no SSI are identified at MW-93 or MW-96R. Table 7A includes summary data related to the intrawell evaluations at MW-93 and MW-96R.

Time Series Trends - Source Area
The Supplemental Wells MW-49, MW-54, MW-81, and MW-94 are not evaluated by interwell or intrawell statistical methods. Instead, ongoing time series trend analyses of the Supplemental Wells is utilized to track changes in the source area. Time series graphs are included in Appendix B.3. Any significant increasing or decreasing trends are noted on the respective graphs.

ASSESSMENT MONITORING

The full Appendix II (assessment) monitoring events have historically been completed at MW-49, MW-54, MW-81, MW-87, MW-89, MW-91, MW-93, MW-94, and MW-96R. Bis (2 ethylhexyl) phthalate was the only Appendix II compound detected (beyond the Appendix I list).

Full Appendix II List Assessment Monitoring is required on a five (5) year frequency as approved by Special Provision 4.f. of the Revised Permit #7, dated May 8, 2025 (Doc #113033).
The most recent full Appendix II sampling event occurred in 2023, as summarized in Table 2.

The list of assessment monitoring compounds that were historically required in those years when full Appendix II was not performed consists of the Appendix I compounds plus bis (2 ethylhexyl) in accordance with 113.10(6)"d"(2). The IDNR Letter dated August 23, 2017 (Doc #90171) approved a five (5) year frequency for the ongoing bis (2-ethylhexyl) phthalate testing (corresponds to the approved frequency of the Full Appendix II sample collection events).

A summary of bis(2-ethylhexyl) phthalate testing to date is presented in Appendix F. The full Appendix II sampling episodes are highlighted in green in the tables in Appendix F.

STATISTICALLY SIGNIFICANT LEVELS (SSL)

The compounds with detections that exceed site interwell prediction limits and/or the intrawell control limit (see summary in Tables 6, 7, and 7A) are utilized to calculate the Confidence Interval (the 95% lower confidence limits (LCL) and the 95% upper control limits (UCL)) in accordance with the 2009 Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities by US EPA. The 95% LCL values are compared to applicable GWPS. Any 95% LCL value that exceeds an applicable GWPS is recorded as an SSL. All wells with a recorded SSL require the plume of impact to be defined in the horizontal and vertical directions and require completion of an Assessment of Corrective Action (ACM). *Note that there are no SSL recorded at any point of compliance (POC) or at any attenuation zone point of compliance (AZPOC) well.*

ACM, CORRECTIVE ACTION PLAN, CORRECTIVE ACTION MONITORING

Completed exposure pathways have not been identified and the findings of the approved Human Health Risk Assessment (1995) are unchanged.

The impact(s) have been delineated in the horizontal and vertical extent, with an Assessment of Corrective Measures Report submitted December 19, 2012 (Doc #75392) and revised and submitted on July 20, 2017 (Doc #90008), with an Amendment to the ACM submitted May 23, 2019 (Doc #95276). Delineation Reports in the vicinity of MW-94 were submitted December 18, 2013 (Doc #78985) and January 28, 2016 (Doc #85296).

Corrective Measures activities related to MW-49, MW-54, MW-81, and MW-94 were constructed in July, 2017. The corrective measure incorporated twenty-seven (27) passive vents through the landfill cap in Subarea B-3.

The selected remedy is monitored natural attenuation coupled with passive landfill gas vents 1-27 (Figure 4). The December 18, 2019 Corrective Action Plan (CAP), Doc #96631, was approved by IDNR on May 19, 2020 (Doc #97777) and is incorporated into Revised Permit #4, dated October 25, 2023 (Doc #108057).

Leachate Well LW-75 and Passive Gas Vents 1-27 were the Corrective Action Monitoring Points (CAMP). Based on approval of the completion of this remedy (monitored natural attenuation at MW-49, MW-54, MW-81, and MW-94), the requirement for Corrective Action Monitoring was terminated by IDNR on May 8, 2025 (Doc #113032), The Corrective Action Monitoring points were removed from Special Provision 4 of Revised Permit #7, dated May 8, 2025 (Doc #113033). The final 2025 CAMP results are reported below.

Evaluation of CAMP point LW-75
Available leachate quality data is summarized in Table 14. To date there are no discernable trends in data. As previously documented, leachate quality differs remarkably from the water quality in perimeter groundwater wells. Corrective Action Monitoring at LW-75 ceased in April, 2025.

Evaluation of CAMP Passive Gas Vent Performance
The methane concentrations as % LEL were recorded quarterly at each of the twenty-seven (27) vents in the cap of Area B-3 (Figure 1). The results are included on Table 15. Note that there is not an enforceable level for vented landfill gas in rule. Corrective Action Monitoring at Passive Gas Vents 1-27 ceased in October, 2025.

Gas continues to vent from the closed landfill. Trend lines are included on the graphs included with Table 15. No site-wide downward trends in gas concentrations are observed based on the available data.

Evaluation of CAMP Methane, Ethane, Ethene, Alkalinity, and pH Monitoring
Dissolved methane, ethane and ethene along with alkalinity and pH testing are performed annually at Supplemental Wells MW-49, MW-54, MW-81, and MW-94, and at leachate well LW-75 (Table 16).

The reported methane concentrations varied by well and by episode. Ethane and ethene were undetected at all CAMP points. The annual methane, ethane, ethene, alkalinity, and pH monitoring at all CAMP points ceased in October, 2025.

PROGRESS TOWARDS REMEDY COMPLETION

The December 18, 2019 Corrective Action Plan (CAP), Doc #96631, was approved by IDNR on May 19, 2020 (Doc #97777) for the monitored natural attenuation. The supplemental wells (MW-49, MW-54, MW-81, and MW-94) within the plume continue to demonstrate impact (see Time Series Plots in Appendix B.3). However, impact at the AZPOC wells (MW-91, MW-89, MW-87, and MW-97, respectively) has not been detected to date (beginning April 14, 2016). Impact is defined as any concentration exceeding an applicable GWPS at the AZPOC wells. Table 17 is included to visually demonstrate the findings at the AZPOC wells.

The remedy has been demonstrated to be complete and properly performing since Spring, 2023 (upon completion of the 3-year demonstration (May, 2020 to May, 2023)). Therefore the requirement for Corrective Action Monitoring was terminated by IDNR on May 8, 2025 (Doc #113032), The Corrective Action Monitoring points were removed from Special Provision 4 of Revised Permit #7, dated May 8, 2025 (Doc #113033).

Section 4.0 Leachate Collection System Performance Evaluation

Leachate System

Leachate level measurements are competed monthly. The measurements for 2025 are summarized in Table 12.

Area B-4 LCP

Area B-4 consists of all EPA Subtitle D compliant disposal areas constructed to date. The leachate collection systems in Subareas B-4-1 and B-4-2 were completed in October, 1995 and October, 1996, respectively. The leachate collection system in Subarea B-4-3 was completed in October, 2001. The leachate collection system in Subarea B-4-4 was completed and approved for acceptance of waste on September 11, 2002. The leachate collection system in the 2008 Abutment Area was completed and approved for acceptance of waste on October 14, 2008. The leachate collection systems in Subarea B-4-5/B-4-6 were completed and approved for acceptance of waste on October 6, 2010 (Phase I) and July 22, 2011 (Phase II). The leachate collection system in the Area B4-3,4,5 Abutment Liner was completed and approved for acceptance of waste on August 6, 2013. The leachate collection system in Subarea B-4-7 was completed and approved for acceptance of waste on August 28, 2017. Maps illustrating all Area B-4 leachate collection lines and all Area B-4 groundwater diversion lines (all connected to the LCP) are included in Appendix G.1. Note that the groundwater collection lines along the east and west side of the pond were modified as illustrated in Figure 3 of the report and on the Figure in Appendix G.1.

Two (2) leachate head monitoring points were constructed in Subarea B-4-6 in September, 2010. One (1) was constructed on the landfill base (LPZ-101), while the other was constructed in the leachate pipe backfill along the leachate pipe at the low point (LPZ-102). An additional leachate head monitoring point was constructed in Subarea B-4-7 in 2017 (LPZ-106). LPZ-106 was constructed on the landfill base. The locations of the leachate head monitoring points are included on the Figure 1 in Appendix G.1. Note that these leachate head monitoring points are located on the downgradient end of the Subtitle D disposal areas. The leachate head monitoring point measurements are included in Table 12. The data indicates that liquid levels in each monitoring point are well below the 12-inch maximum limit.

Groundwater Separation – Area B-4

Special Provision X.4.h in Revised Permit #7, dated May 8, 2025 (Doc #113033) requires semi-annual measurement of liquid levels in GPZ-105. The 2025 summary of measurements is included in Table 4. The liquid level in GPZ-105 in 2025 indicates acceptable separation between the landfill liner and the water table.

Area B-1, B-2, B-3, and C/D LCP

Leachate head level data collected in 2025 is included in Table 12. Leachate head level data collected since October 1992 is attached (Appendix G.2). A Map illustrating the location of the leachate wells is also included in Appendix G.2. Landfill base elevations at leachate monitoring points is recorded as:

LHMW-73 = 963.69
LHMW-75 = 1004.52
LHMW-78 = 965.76
LHMW-79 = 987.27

LHMW-73, located nearest to the leachate collection system (toe drain). The leachate head level at LHMW-73 is relatively static over time. In 2025, the head on the liner was between 0.43 feet and 0.99 feet above the landfill base elevation (963.69).

LHMW-75 is located in Area B-3. Existing leachate elevation data between 2001 and 2025 indicates a relatively static condition with approximately 10 to 17 feet of leachate thickness.

LHMW-78 and LHMW-79, situated in the former wet weather area (Area C/D), exhibit static trends in head levels. The variations in the water table appear to represent sub-seasonal fluctuations in the leachate surface. Based on October 6, 2025 measurements, 8.37 feet and 9.18 feet of liquid are measured in LHMW-78 and LHMW-79, respectively.

Based on water levels in perimeter MW's, the groundwater table is above the Area B landfill base on the north side, and more than 5 feet below the landfill base on the south side as a result of the leachate/groundwater collection system. It appears that the leachate collection toe drain south of Area B-1 controls the water surface and effectively lowers the water table in the vicinity of the leachate collection line.

A Human Health Risk Assessment was completed for the Marshall County Landfill on June 27, 1995. Based on the low-risk designation, the Solid Waste Management Commission of Marshall County applied for an exemption to additional leachate collection system requirements (June 27, 1995) in Areas B-1, B-2, and B-3. This exemption was approved in the March 1, 1996 Permit.

Leachate Treatment and Testing

Leachate is pumped to the City of Marshalltown Sanitary Sewer System for treatment and disposal in accordance with the pretreatment agreement between the City of Marshalltown and the Solid Waste Management Commission of Marshall County (Appendix G.3). Between January 1, 2025 and December 31, 2025, approximately 2,900,552 gallons of leachate were discharged to the Marshalltown POTW (Appendix G.4). Discharge occurred as three (3) separate events, January (650,328 gallons), April (1,180,520 gallons), and July (1,069,704 gallons). Chemical analysis of the waste stream as required by the pretreatment agreement is included in Appendix G.5.

Leachate Recirculation

A Leachate Recirculation Operation Plan was submitted to IDNR on April 9, 2019 (Doc #94860). Leachate recirculation is approved in Special Provision X.5 of Revised Permit #7, dated May 8, 2025 (Doc #113033). As per the approved Leachate Recirculation Operation Plan, leachate levels in LPZ-101 and LPZ-106 were measured weekly during recirculation operations. In 2025 approximately 2,935,000 gallons of leachate were recirculated using a tank wagon. The "Daily/Weekly Leachate Recirculation Logs" are included in Appendix G.6.

Leachate Line Cleaning

The leachate gravity collection and conveyance lines throughout the system in Area B were cleaned in August, 2024. IAC 567-113.7(5)b(5) requires that the leachate collection lines be cleaned every three (3) years. In accordance with rule, the next leachate line cleaning is scheduled for 2027.

Performance Evaluation

No modifications to the leachate collection system are recommended for 2026.

Section 5.0 Gas Monitoring

Explosive gas monitoring is conducted per 113.9(2) and Special Provision 6 of the Revised Permit #7, dated May 8, 2025 (Doc #113033). Gas Monitoring was performed quarterly in 2025 and will continue on a quarterly frequency moving forward. The following monitoring points are included in the approved GMSP, as illustrated on Figure 1.

Scale Pit -	ambient air/subsurface sump
Scale House -	indoor air
Electronics Shed -	indoor air
Garage -	indoor air
Shop -	indoor air
Cold shop -	indoor air
GP-1 -	subsurface
GP-2 -	subsurface
GP-3 -	subsurface
GP-4 -	subsurface
GP-5 -	subsurface
GP-6 -	subsurface
GP-7 -	subsurface
GP-8 (MW-213) -	subsurface
GU-2 -	underdrain
GU-3 -	underdrain

A summary table of gas monitoring is included as Table 13. Explosive gas concentrations are recorded as percent lower explosive limit (%LEL) and were below actionable levels during the monitoring episodes.

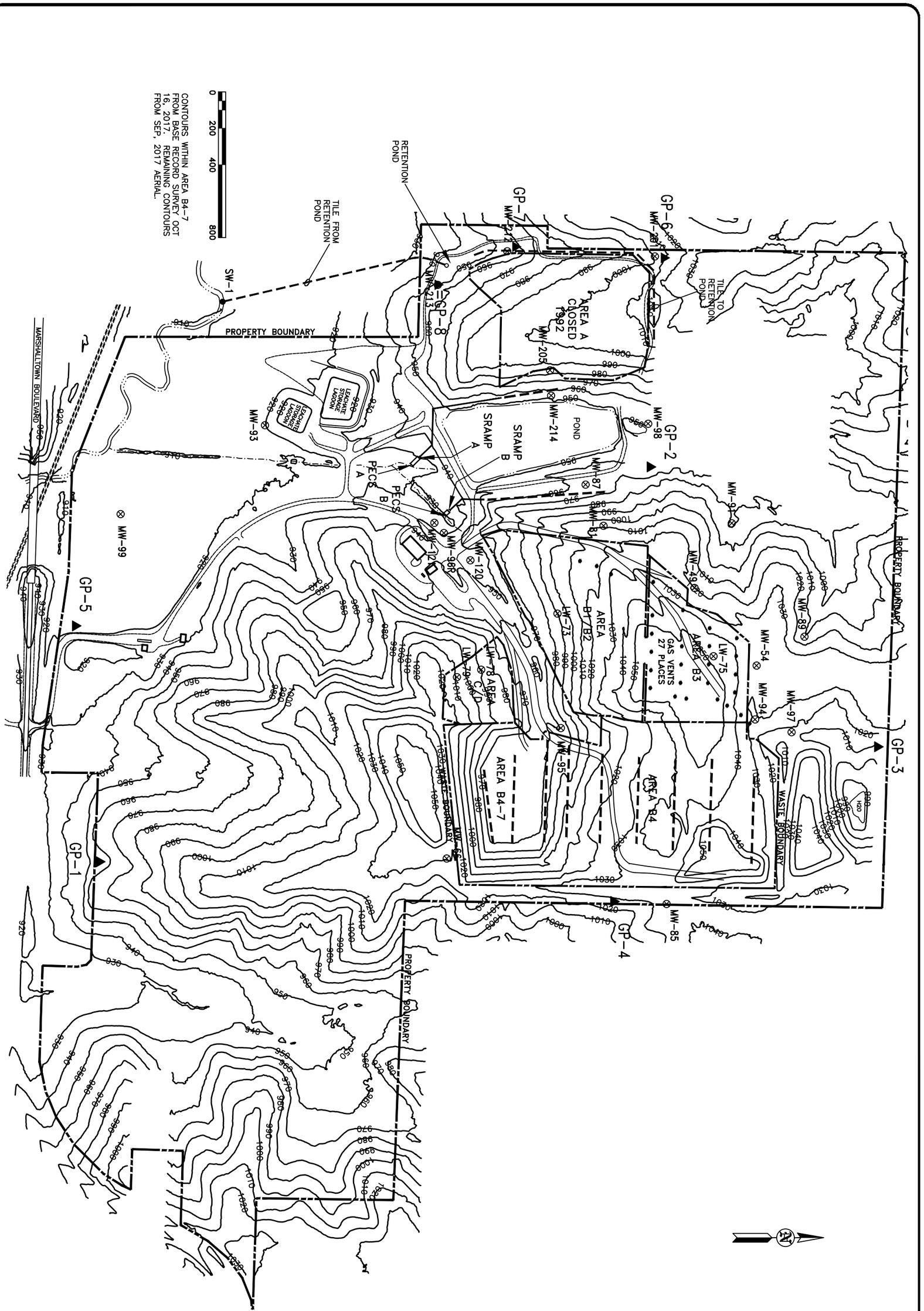
Section 6.0 Conclusions & Recommendations

Continue detection and assessment monitoring in accordance with the current HMSP and the Revised Permit #7, dated May 8, 2025 (Doc #113033).

The Corrective Action appears to be functioning as intended and the remedy is documented and approved as completed.

Water quality in the Supplemental Wells is relatively unchanged since last year.

Figures



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FAX: (515) 733-4146

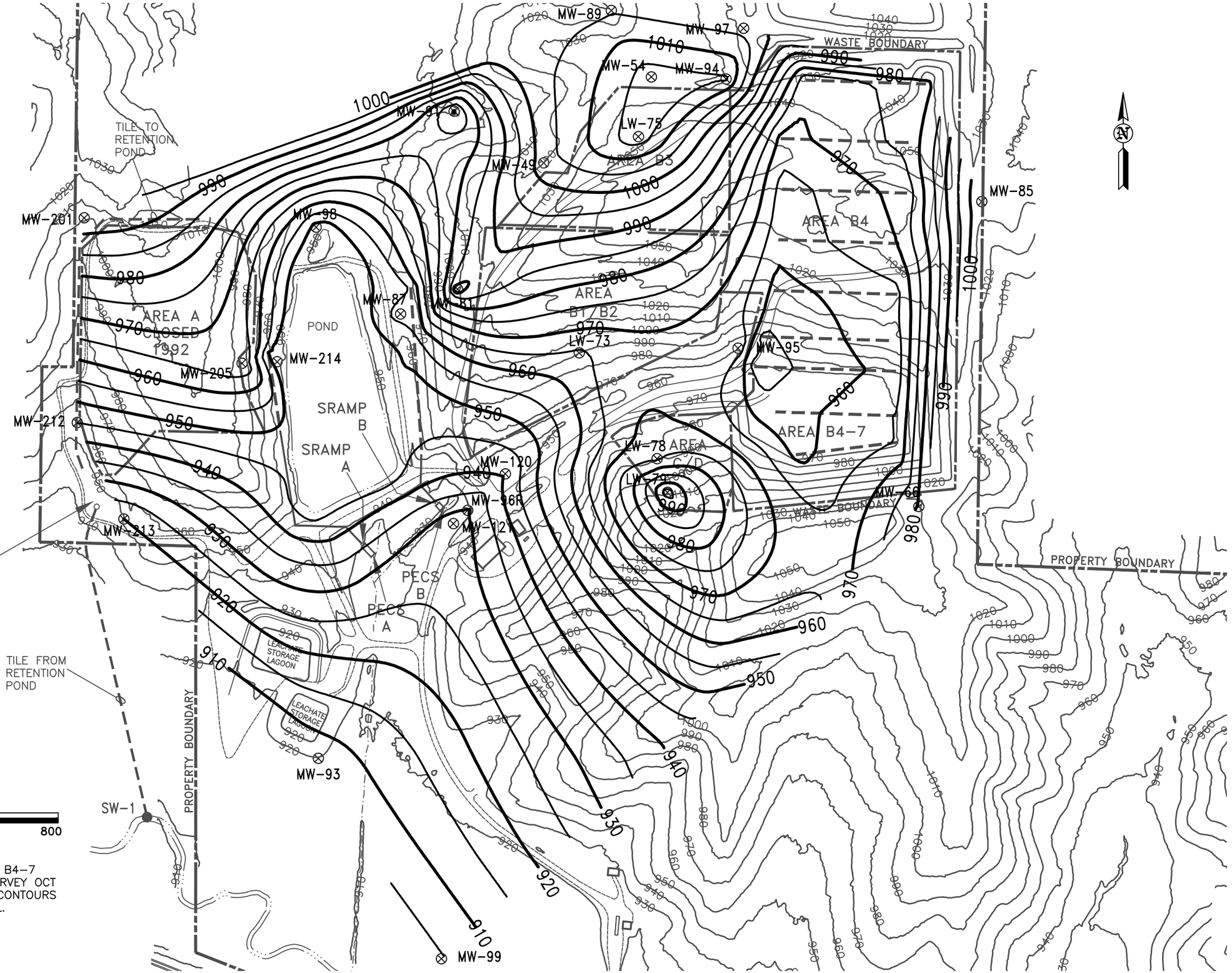
SITE PLAN WITH SUBSURFACE GAS PROBE LOCATIONS

MARSHALL COUNTY SANITARY LANDFILL
MARSHALLTOWN, IOWA

FIGURE:	1	
REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6003	DATE 1-5-26

WATER ELEVATION OCTOBER 6, 2025	
WELL	ELEV.
MW-49	1002.67
MW-54	1017.91
MW-66	<980.54
MW-81	990.48
MW-85	1004.94
MW-87	958.09
MW-89	1004.45
MW-91	969.21
MW-93	906.66
MW-94	1015.76
MW-95	968.81
MW-96R	929.40
MW-97	1003.48
MW-98	947.45
MW-99	904.59
MW-120	940.50
MW-121	926.80
MW-201	993.82
MW-205	969.94
MW-212	945.07
MW-213	919.98
MW-214	946.38
LW-73	964.18
LW-75	1018.46
LW-78	974.13
LW-79	996.45

NOTE: ELEVATION OF MW-66 REPRESENTS THE BOTTOM OF A DRY WELL.



CONTOURS WITHIN AREA B4-7 FROM BASE RECORD SURVEY OCT 16, 2017. REMAINING CONTOURS FROM SEP, 2017 AERIAL.

FIGURE: 2

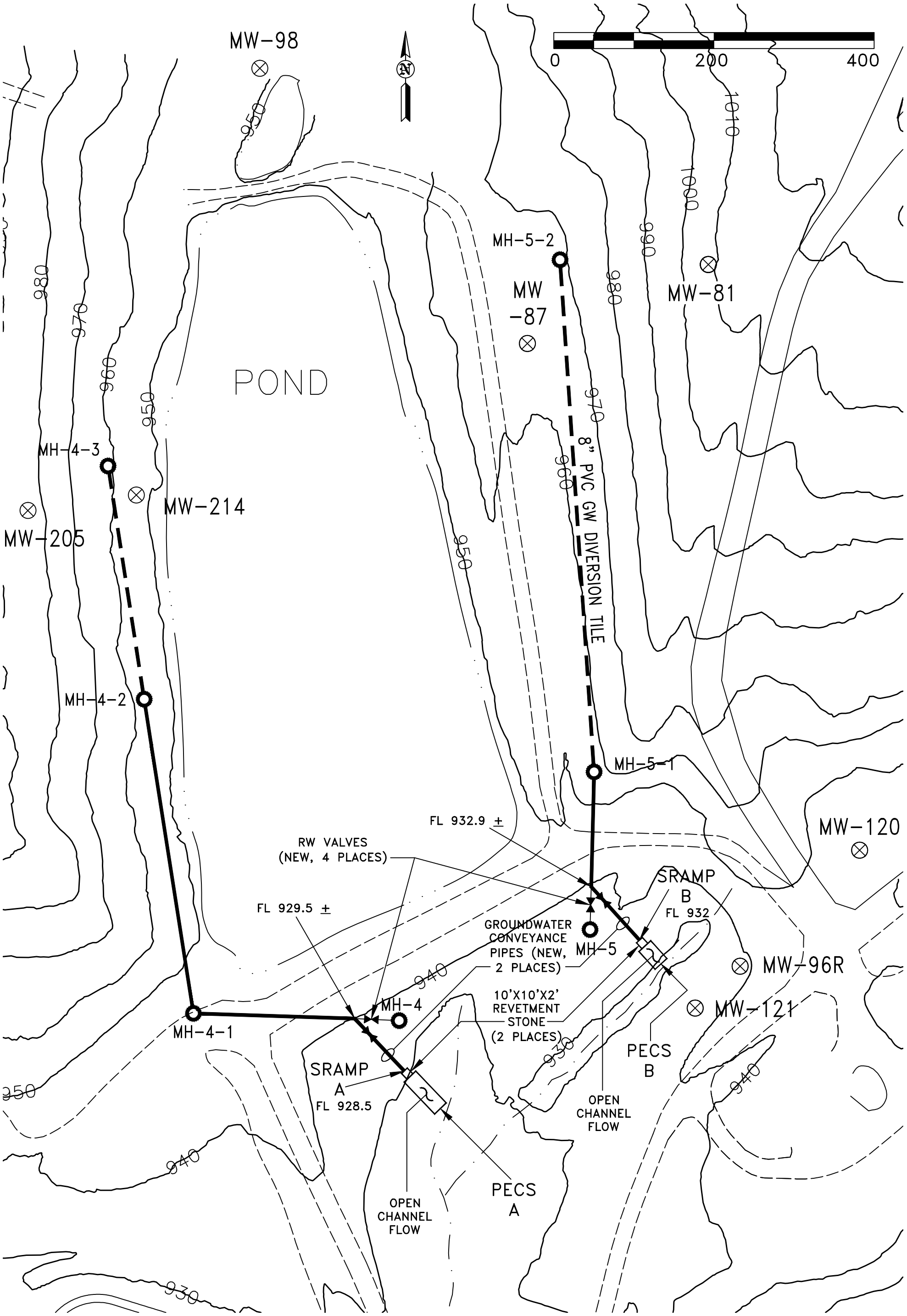
REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6003	DATE 1-5-26

GROUNDWATER CONTOUR MAP

MARSHALL COUNTY SANITARY LANDFILL
MARSHALLTOWN, IOWA

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HLW Engineering Group



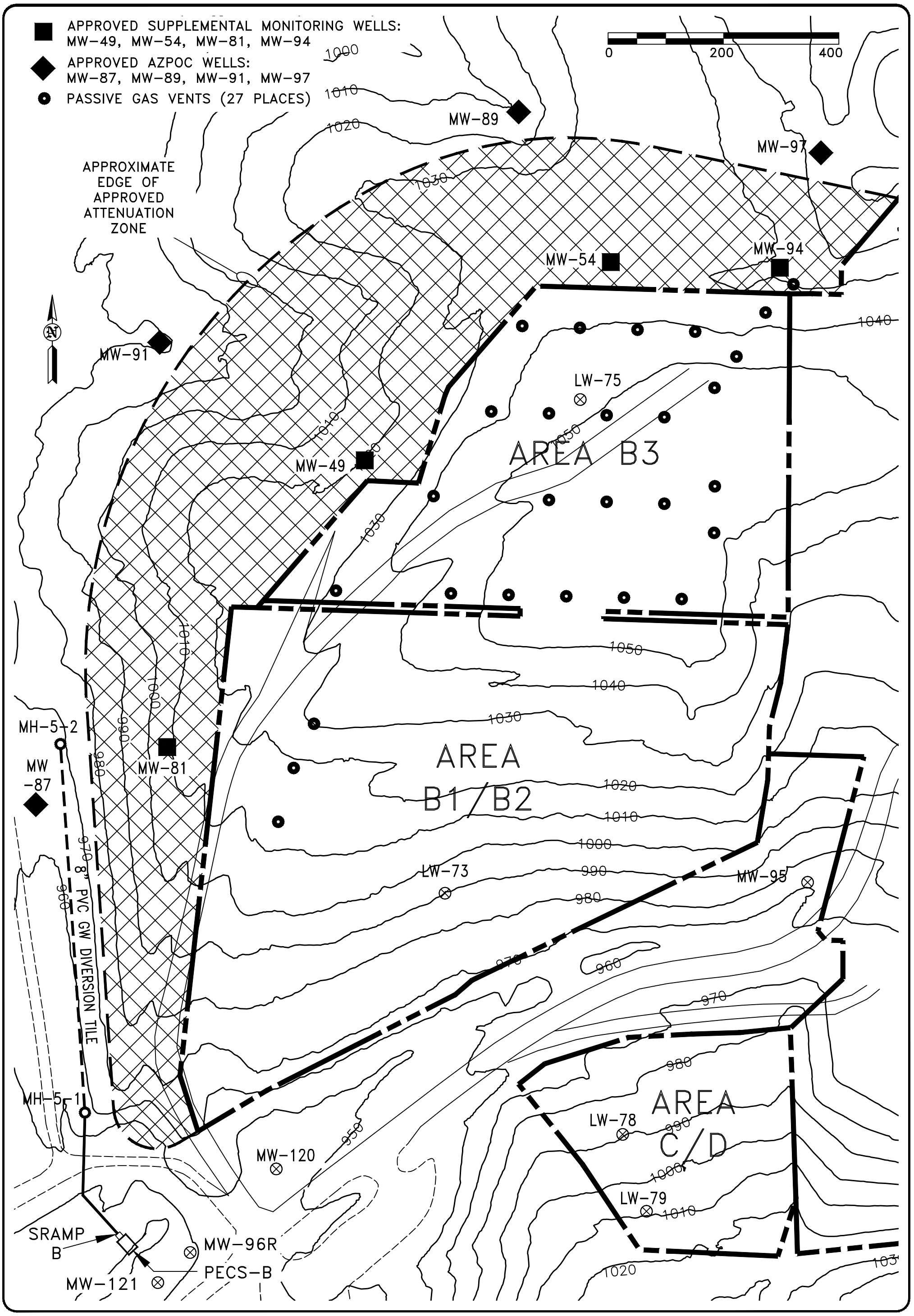
HLW Engineering Group
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SRAMP–B & PECS–B LOCATION MAP

MARSHALL COUNTY SANITARY LANDFILL
MARSHALLTOWN, IOWA

FIGURE: 3

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6003	DATE 1–5–26



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CORRECTIVE ACTION PLAN MAP

MARSHALL COUNTY SANITARY LANDFILL
MARSHALLTOWN, IOWA

FIGURE: 4

REVISION	NO.	DATE

DRAWN	PROJECT NO.	DATE
DRA	6003	1-5-26

ARSENIC		
WELL	GWPS	ug/L
MW-81	10.0	6.3
MW-87	10.0	<2.0
MW-49	10.0	443
MW-91	10.0	<2.0
MW-54	10.0	4.8
MW-89	10.0	<2.0
MW-94	10.0	66.4
MW-96R	10.0	6.8
MW-97	10.0	<2.0
SRAMP-B	10.0	<2.0

ALL SAMPLES TAKEN 10/6/2025.

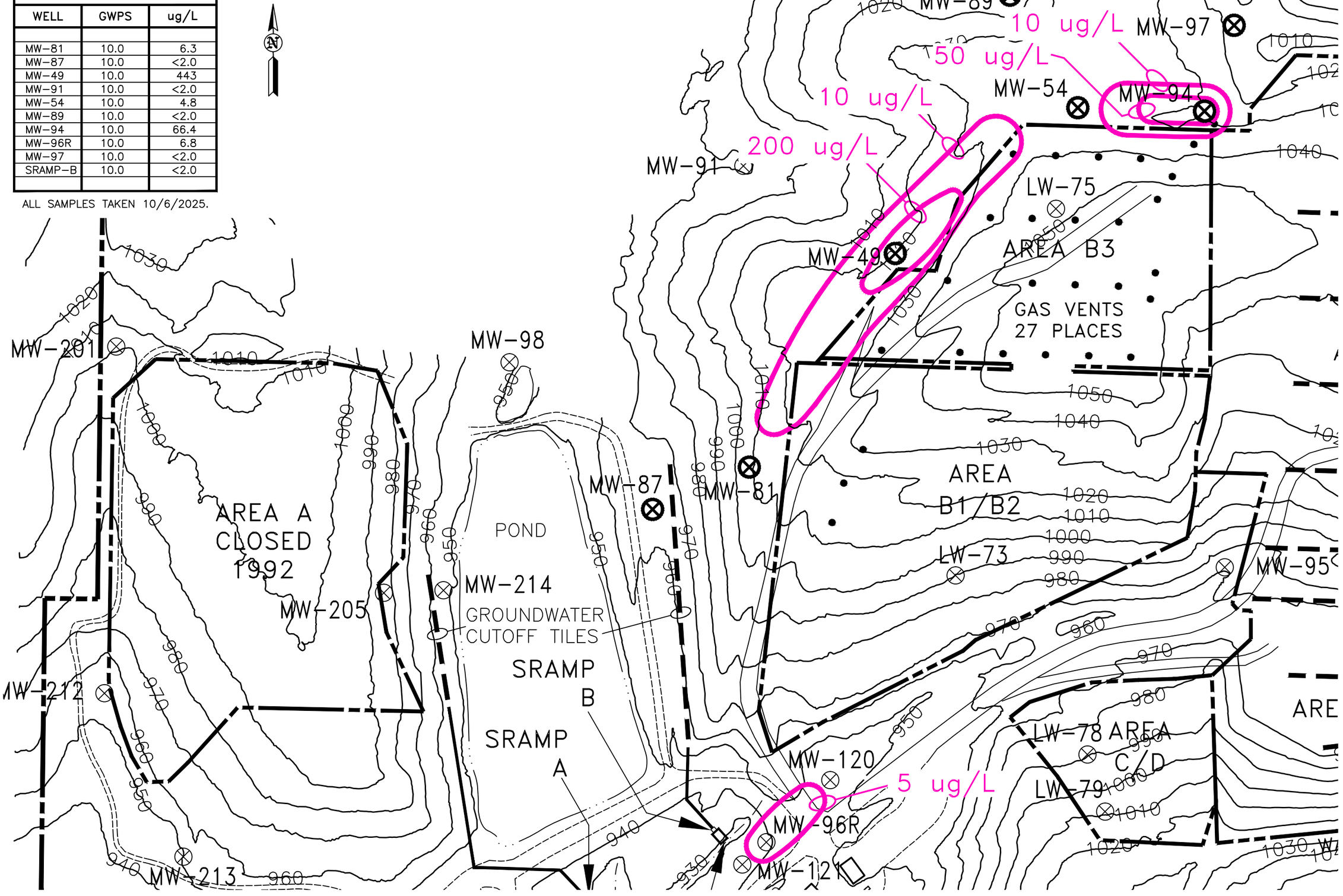


FIGURE: 5

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6003	DATE 1-5-26

ISO-CONTOUR MAP ARSENIC

MARSHALL COUNTY SANITARY LANDFILL
MARSHALLTOWN, IOWA

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Story City, Iowa 50248
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HLW Engineering Group

COBALT		
WELL	GWPS	ug/L
MW-81	6.0	9.9
MW-87	6.0	<0.5
MW-49	6.0	77.8
MW-91	6.0	<0.5
MW-54	6.0	9.0
MW-89	6.0	<0.5
MW-94	6.0	8.3
MW-96R	6.0	10.7
MW-97	6.0	<0.5
SRAMP-B	6.0	<0.5

ALL SAMPLES TAKEN 10/6/2025.

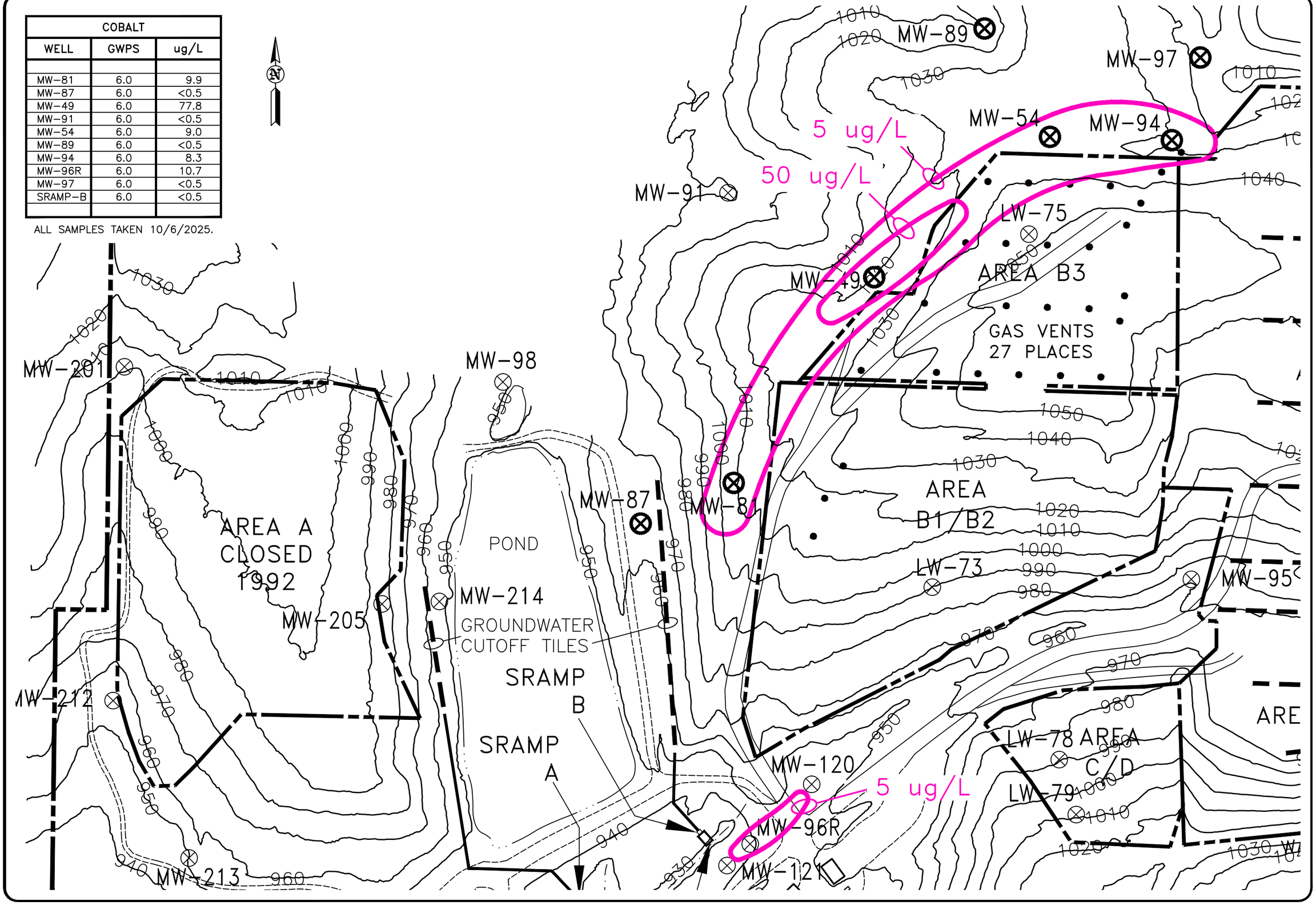


FIGURE: 6

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6003	DATE 1-8-26

ISO-CONTOUR MAP
COBALT
MARSHALL COUNTY SANITARY LANDFILL
MARSHALLTOWN, IOWA

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HLW Engineering Group

CIS-1,2-DICHLOROETHENE		
WELL	GWPS	ug/L
MW-81	70.0	135
MW-87	70.0	<1
MW-49	70.0	<1
MW-91	70.0	<1
MW-54	70.0	<1
MW-89	70.0	<1
MW-94	70.0	2.3
MW-96R	70.0	<1
MW-97	70.0	<1
SRAMP-B	70.0	<1

ALL SAMPLES TAKEN 10/6/2025.

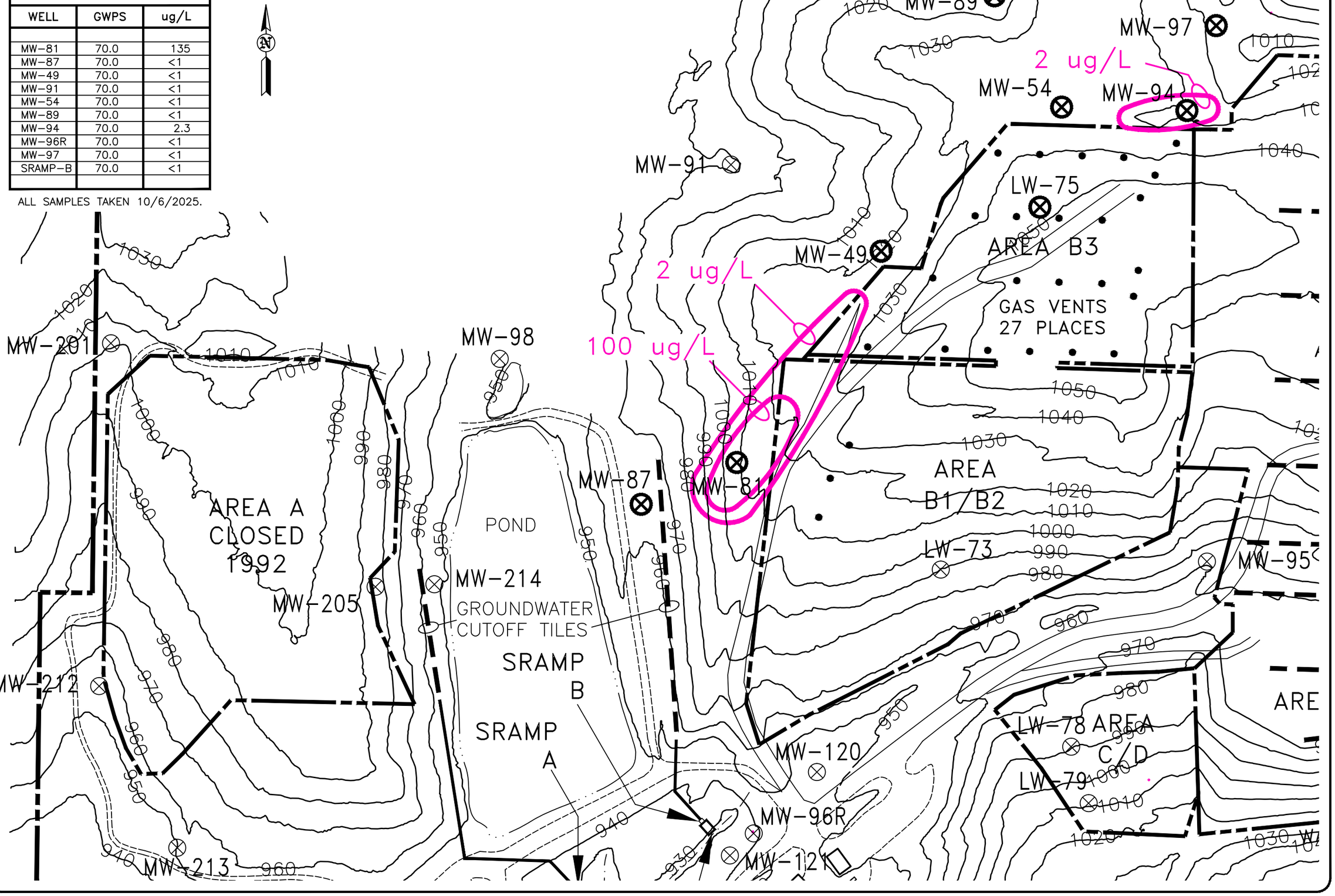


FIGURE: 7

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6003	DATE 1-8-26

ISO-CONTOUR MAP
CIS-1,2-DICHLOROETHENE
MARSHALL COUNTY SANITARY LANDFILL
MARSHALLTOWN, IOWA

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1,2-DICHLOROPROPANE		
WELL	GWPS	ug/L
MW-81	5.0	4.5
MW-87	5.0	<1
MW-49	5.0	<1
MW-91	5.0	<1
MW-54	5.0	<1
MW-89	5.0	<1
MW-94	5.0	<1
MW-96R	5.0	<1
MW-97	5.0	<1
SRAMP-B	5.0	<1

ALL SAMPLES TAKEN 10/6/2025.

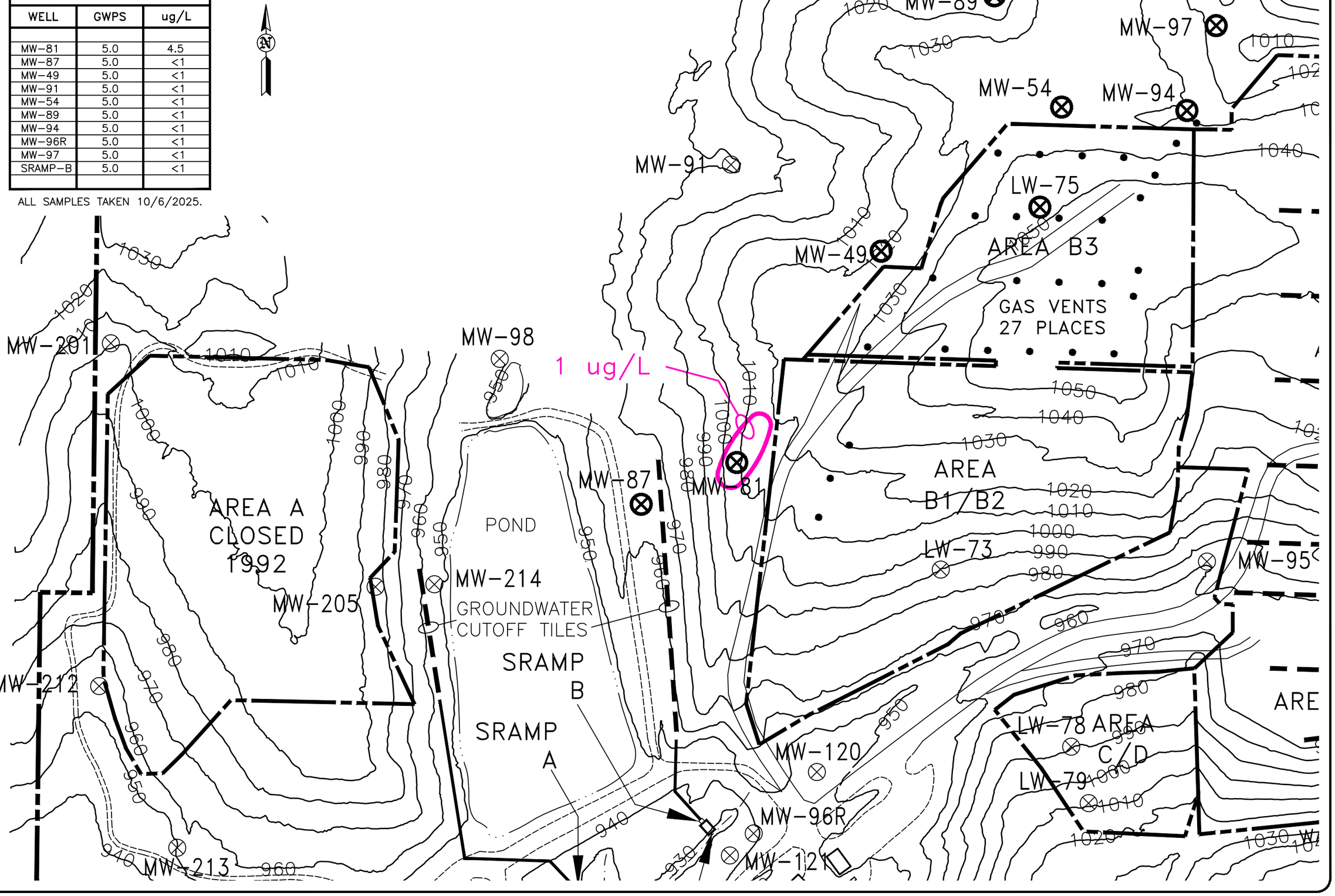


FIGURE: 8

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6003	DATE 1-5-26

ISO-CONTOUR MAP 1,2-DICHLOROPROPANE

MARSHALL COUNTY SANITARY LANDFILL
MARSHALLTOWN, IOWA

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HLW Engineering Group

VINYL CHLORIDE		
WELL	GWPS	ug/L
MW-81	2.0	10.8
MW-87	2.0	<1
MW-49	2.0	<1
MW-91	2.0	<1
MW-54	2.0	<1
MW-89	2.0	<1
MW-94	2.0	4.5
MW-96R	2.0	<1
MW-97	2.0	<1
SRAMP-B	2.0	<1

ALL SAMPLES TAKEN 10/6/2025.

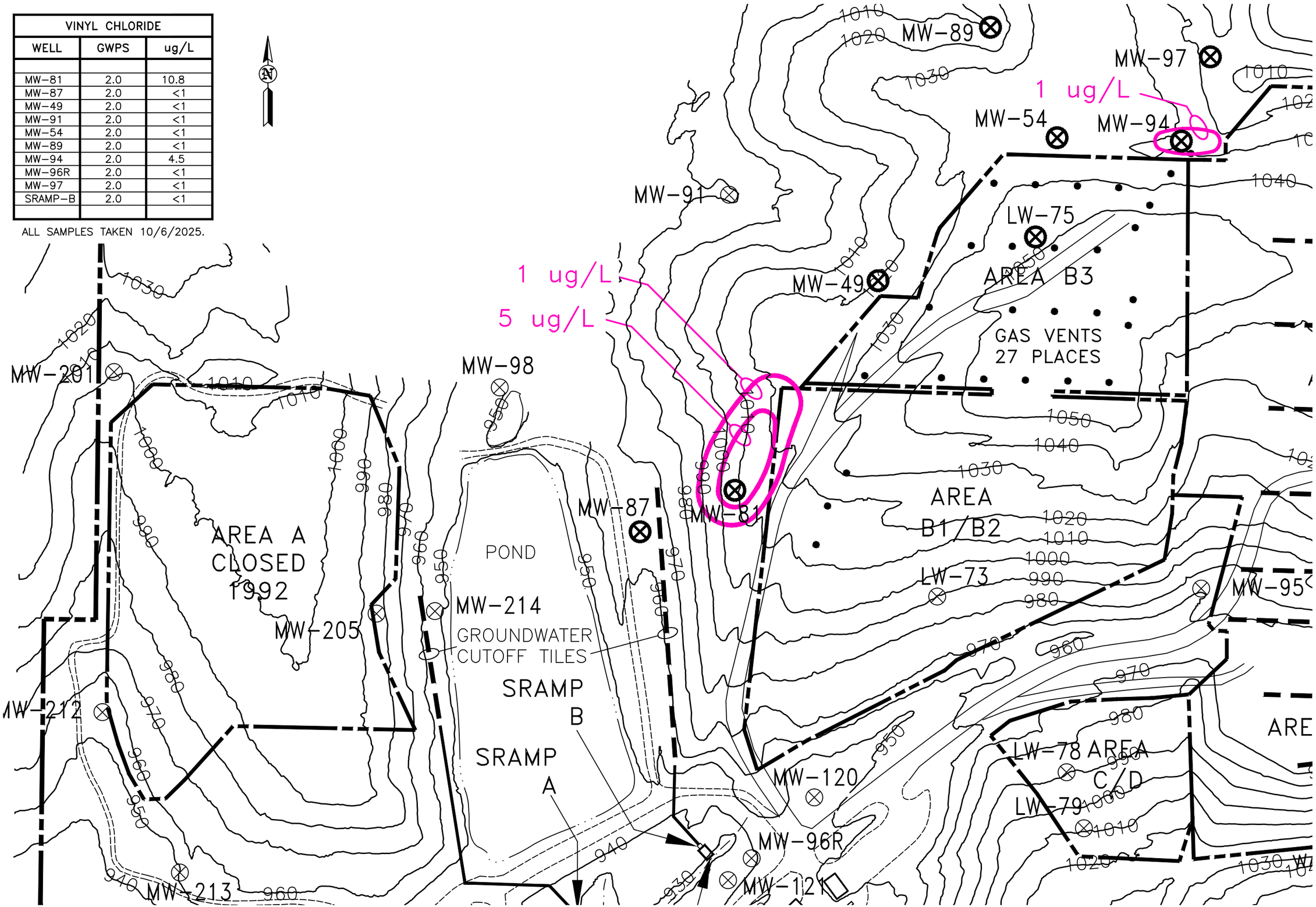


FIGURE: 9

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6003	DATE 1-5-26

ISO-CONTOUR MAP
VINYL CHLORIDE
MARSHALL COUNTY SANITARY LANDFILL
MARSHALLTOWN, IOWA

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HLW Engineering Group

Tables
(in IDNR Format)

Table Index

Table 1 – Monitoring Program Summary
Table 2 – Monitoring Program Implementation Schedule
Table 2A – Summary of Monitoring Over Time
Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule
Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary
Table 4A – Water Elevation Summary Over Time
Table 5 – Background and GWPS Summary
Table 6 – Summary of Detections
Table 7 – Summary of Ongoing and Newly Identified SSI – **Interwell**
Table 7A – Summary of Ongoing and Newly Identified SSI - **Intrawell**
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 14 – LW-75 Leachate Quality Data
Table 15 – CAMP -Vent Gas Evaluation Summary
Table 16 – CAMP - Well Evaluation Summary
Table 17 – Progress of Remedy Over Time

Table 1 – Monitoring Program Summary

Table 1
Monitoring Program Summary
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

Monitoring Well	Formation	Current Monitoring Program	Change for next sampling event	Historic - Constituents w/ SSI	2025 - Constituents w/ SSI	2025 Constituents w/ SSL	Total # of Samples in each monitoring program since October 15, 2014		
							Detection	Assessment	Corrective Action
MW-66	Glacial Till	Background	NC	None	None	None	8	0	0
MW-85	Glacial Till	Background	NC	None	None	None	25	0	0
MW-98	Alluvium	Background	NC	None	None	None	19	0	0
MW-99	Alluvium	Background	NC	None	None	None	19	0	0
MW-87	Glacial Till	AZPOC - detection	NC	None	None	None	23	0	0
MW-89	Glacial Till	AZPOC - detection	NC	None	None	None	23	0	0
MW-91	Glacial Till	AZPOC - assessment	NC	selenium, 1,1-dichloroethane	None	None	0	23	0
MW-93	Glacial Till	POC - Lagoon - detection	NC	arsenic, cobalt, nickel	None	None	0	23	0
MW-95	Glacial Till	POC - detection	NC	None	None	None	23	0	0
MW-96R	Glacial Till	POC - detection	NC	arsenic, barium, cobalt	None	None	0	11	0
MW-49	Glacial Till	Supplemental Monitoring Points	NC	arsenic, barium, cobalt, nickel, 1,1-dichloroethane, 1,4-dichlorobenzene, acetone, benzene, bis(2-ethylhexyl)phthalate, chloroethane, chlorobenzene, cis-1,2-dichloroethene, vinyl chloride	Not Applicable	Not Applicable	0	0	23
MW-54	Glacial Till	Supplemental Monitoring Points	NC	arsenic, cobalt, nickel, 1,1-dichloroethane, 1,4-dichlorobenzene, benzene, chloroethane, cis-1,2-dichloroethene, vinyl chloride	Not Applicable	Not Applicable	0	0	23
MW-81	Glacial Till	Supplemental Monitoring Points	NC	barium, cobalt, nickel, 1,1-dichloroethane, 1,2-dichlorobenzene, 1,2-dichloroethane, 1,2-dichloropropane, 1,4-dichlorobenzene, acetone, benzene, bis(2ethylhexyl)phthalate, chlorobenzene, chloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, TCE, vinyl chloride	Not Applicable	Not Applicable	0	0	23
MW-94	Glacial Till	Supplemental Monitoring Points	NC	arsenic, cobalt, nickel, 1,1-dichloroethane, 1,2-dichloroethane, 1,2-dichloropropane, benzene, chloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, vinyl chloride	Not Applicable	Not Applicable	0	0	23
MW-97	Glacial Till	AZPOC - detection	NC	None	None	None	23	0	0
SRAMP-B	Glacial Till	POC - detection	NC	None	None	None	9	0	0
PECS-B	Glacial Till	PECS Performance	NC	None	None	None	4	0	0

Table 2 – Monitoring Program Implementation Schedule

Table 2
Monitoring Program Implementation Schedule
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

Monitoring Well	Recent Sampling Dates and Constituents *See Table 2A*	Upcoming Sampling Dates and Constituents January 2026	April 2026	July 2026	October 2026	Full Appendix II Sample Dates Previously Collected	Next Event	
MW-66		---	Appendix I	---	Appendix I		N/A	background
MW-85		---	Appendix I	---	Appendix I		N/A	background
MW-98		---	Appendix I	---	Appendix I		N/A	background
MW-99		---	Appendix I	---	Appendix I		N/A	background
MW-87		---	Appendix I	---	Appendix I	3/28/08, 6/25/08, 8/25/08, 10/3/08, 12/8/08, 10/16/13	N/A	azpoc-detection
MW-89		---	Appendix I	---	Appendix I	3/28/08, 6/25/08, 8/25/08, 10/3/08, 12/8/08, 10/16/13	N/A	azpoc-detection
MW-91		---	Appendix I	---	Appendix I	3/28/08, 6/25/08, 8/25/08, 10/3/08, 12/8/08, 10/16/13, 10/22/18, 10/13/2023	Oct., 2028	azpoc-assessment
MW-93	**Continue Appendix II sampling on 5 year frequency**	---	Appendix I	---	Appendix I	10/8/12, 4/4/13, 10/22/2018, 10/13/2023	Oct., 2028	poc-detection
MW-95		---	Appendix I	---	Appendix I		N/A	poc-detection
MW-96R	**Continue Appendix II sampling on 5 year frequency**	---	Appendix I	---	Appendix I	4/6/2022, 4/10/2023	Apr., 2028	poc-detection
MW-49		---	Appendix I ~~+ Note 1~~	---	Appendix I	3/28/08, 6/25/08, 8/25/08, 10/3/08, 12/8/08, 10/16/13, 10/22/18	N/A	supplemental-assessment
MW-54		---	Appendix I ~~+ Note 1~~	---	Appendix I	3/28/08, 6/25/08, 8/25/08, 10/3/08, 12/8/08, 10/16/13, 10/22/18	N/A	supplemental-assessment
MW-81		---	Appendix I ~~+ Note 1~~	---	Appendix I	3/28/08, 6/25/08, 8/25/08, 10/3/08, 12/8/08, 10/16/13, 10/22/18	N/A	supplemental-assessment
MW-94		---	Appendix I ~~+ Note 1~~	---	Appendix I	4/4/11, 10/6/11, 10/8/12, 10/9/17	N/A	supplemental-assessment
MW-97		---	Appendix I	---	Appendix I		N/A	azpoc-detection
SRAMP-B		---	Appendix I	---	Appendix I		N/A	poc-detection
PECS-B		---	Appendix I VOC	---	Appendix I VOC		N/A	PECS Performance
~~LW-75~~		~~---~~	~~Note 1 + Note 2~~	~~---~~	~~---~~		~~N/A~~	~~CAMP~~
~~Vents 1-27~~		~~%LEL~~	~~%LEL~~	~~%LEL~~	~~%LEL~~		~~N/A~~	~~CAMP~~

Note 1 = dissolvedmethane, ethane, ethene and alkalinity and pH.

~~Note 2 = Appendix I VOC, cobalt (total), arsenic (total), ammonia (N), sulfate, chloride, TDS, and BOD5~~

~~Strikethrough text~~ = The corrective action monitoring requirement was terminated by IDNR on May 8, 2025 (Docs # 113032 & 113033).

Table 2A – Summary of Well Testing to Date

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

WELL	3/28/08	6/20/08	8/5/08	10/2/08	12/10/08
MW-66	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-85	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-49	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**
MW-54	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**
MW-80	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-81	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**
MW-87	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**
MW-89	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**
MW-91	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**	**Appendix II**
MW-93	Installed 8/08	Installed 8/08	Appendix I	Appendix I	Appendix I
GWD-2	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
Duplicate	N/A	N/A	At MW-66	At MW-93	At MW-80

WELL	2/11/09	4/1/09	10/21/09	1/29/10	4/20/10
MW-66		Appendix I	Appendix I		Appendix I
MW-85		Appendix I	Appendix I		Appendix I
MW-49		**Appendix I+**	**Appendix I+**		Appendix I
MW-54		**Appendix I+**	**Appendix I+**		Appendix I
MW-80		Appendix I	Appendix I	Retest	Appendix I
MW-81		Appendix I+	Appendix I+		Appendix I
MW-87		**Appendix I+**	**Appendix I+**		**Appendix I+**
MW-89		**Appendix I+**	**Appendix I+**	Retest	**Appendix I+**
MW-91		**Appendix I+**	**Appendix I+**	Retest	**Appendix I+**
MW-93	Appendix I	Appendix I	Appendix I	Retest	Appendix I
GWD-2		Appendix I	Appendix I		Appendix I
Duplicate	N/A	At MW-80	At MW-66	N/A	At MW-93

WELL	10/8/10	1/14/11	4/5/2011	6/18/2011	8/10/2011	10/6/2011
MW-66	Appendix I		Appendix I			Appendix I
MW-85	Appendix I		Appendix I			Appendix I
MW-49	**Appendix I***		**Appendix I***			**Appendix I***
MW-54	**Appendix I***		**Appendix I***			**Appendix I***
MW-80	Appendix I		Plugged			Plugged
MW-81	**Appendix I***		**Appendix I***			**Appendix I***
MW-87	**Appendix I+**		**Appendix I+**			**Appendix I+**
MW-89	**Appendix I+**		**Appendix I+**			**Appendix I+**
MW-91	**Appendix I+**		**Appendix I+**			**Appendix I+**
MW-93	Appendix I		Appendix I			Appendix I
MW-94	Installed 11/10	Appendix I	Appendix I	**Appendix II**	Appendix I	**Appendix II**
MW-95	Installed 11/10	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-96	Installed 11/10	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
GU-2	Appendix I		Appendix I	Removed from HMSP		
GU-3	Appendix I	Appendix I	Appendix I	Removed from HMSP		
Duplicate	At MW-87	N/A	At MW-91	At GU-3	N/A	At MW-54

***** = Appendix I list for Assessment Monitoring Wells.

+ = Bis (2 ethylhexyl) phthalate

WELL	4/10/12	10/9/12	4/4/13	7/12/13	10/16/13
MW-66	Appendix I	Appendix I	Appendix I		Appendix I
MW-85	Appendix I	Appendix I	Appendix I		Appendix I
MW-49	**Appendix I***	**Appendix I+**	**Appendix I+**		**Appendix II**
MW-54	**Appendix I***	**Appendix I+**	**Appendix I+**		**Appendix II**
MW-81	**Appendix I***	**Appendix I+**	**Appendix I+**		**Appendix II**
MW-87	**Appendix I+**	**Appendix I+**	**Appendix I+**		**Appendix II**
MW-89	**Appendix I+**	**Appendix I+**	**Appendix I+**		**Appendix II**
MW-91	**Appendix I+**	**Appendix I+**	**Appendix I+**		**Appendix II**
MW-93	Appendix I	**Appendix II**	**Appendix II**		Appendix I
MW-94	Appendix I	**Appendix II**	**Appendix I+**		**Appendix I+**
MW-95	Appendix I	Appendix I	Appendix I		Appendix I
MW-96	**Appendix II**	**Appendix II**	**Appendix I+**	**Bis(2-EH)P**	**Appendix I+**
MW-97	**Installed 9/13**	**Installed 9/13**	**Installed 9/13**	**Installed 9/13**	Appendix I
Duplicate	At MW-49	At MW-85	At MW-85		At MW-97

+ = Bis (2-ethylhexyl) phthalate = (Bis(2-EH)P)

WELL	4/9/14	10/16/14	1/14/2015	4/3/15	7/6/2015	10/1/2015
MW-66	Appendix I	Appendix I[(2)]	Appendix I	Appendix I[(2)]	Appendix I	Appendix I[(2)]
MW-85	Appendix I	Appendix I[(2)]	Appendix I	Appendix I[(2)]	Appendix I	Appendix I[(2)]
MW-49	Appendix I[(1)]	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]
MW-54	Appendix I[(1)]	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]
MW-81	Appendix I[(1)]	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]
MW-87	Appendix I[(1)]	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]
MW-89	Appendix I[(1)]	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]
MW-91	Appendix I[(1)]	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]
MW-93	Appendix I	Appendix I*[(2)]	---	Appendix I[(2)]	---	Appendix I[(2)]
MW-94	Appendix I[(1)]	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]
MW-95	Appendix I	Appendix I[(2)]	---	Appendix I[(2)]	---	Appendix I[(2)]
MW-96	Appendix I[(1)]	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]	---	Appendix I[(1) (2)]
MW-97	Appendix I	Appendix I[(2)]	---	Appendix I[(2)]	---	Appendix I[(2)]
Duplicate	At MW-66	At MW-96	---	At MW-85	---	At MW-97

[(1)] = bis(2-ethylhexyl)phthalate

[(2)] = TSS, TDS, chloride, alkalinity, sulfate, calcium, sodium, potassium, magnesium, ammonia

WELL	4/14/16	10/13/16	4/10/2017	7/11/2017	10/9/2017	1/9/2018
MW-66	Appendix I	Appendix I[(2)]	Appendix I		Dry	
MW-85	Appendix I	Appendix I[(2)]	Appendix I		Appendix I	
MW-98	---	Appendix I	Appendix I		Appendix I	
MW-99	---	Appendix I	Appendix I		Appendix I	
MW-49	Appendix I[(1)]	Appendix I[(1) (2)]	Appendix I[(1)]		Appendix I	R- Ba
MW-54	Appendix I[(1)]	Appendix I[(1) (2)]	Appendix I[(1)]		Appendix I	
MW-81	Appendix I[(1)]	Appendix I[(1) (2)]	Appendix I[(1)]		Appendix I	
MW-87	Appendix I[(1)]	Appendix I[(1) (2)]	Appendix I[(1)]		Appendix I	
MW-89	Appendix I[(1)]	Appendix I[(1) (2)]	Appendix I[(1)]		Appendix I	
MW-91	Appendix I[(1)]	Appendix I[(1) (2)]	Appendix I[(1)]	R- Cu, Se	Appendix I	R- Ba, Se, 1,4-DCB
MW-93	Appendix I	Appendix I*[(2)]	Appendix I		Appendix I	
MW-94	Appendix I[(1)]	Appendix I[(1) (2)]	Appendix I[(1)]		**Appendix II**	
MW-95	Appendix I	Appendix I[(2)]	Appendix I		Appendix I	
MW-96	Appendix I[(1)]	Appendix I[(1) (2)]	Appendix I[(1)]		**Appendix II**	
MW-97	Appendix I	Appendix I[(2)]	Appendix I		Appendix I	
Duplicate	At MW-96	At MW-54	At MW-54		At MW-96	

[(1)] = bis(2-ethylhexyl)phthalate

[(2)] = TSS, TDS, chloride, alkalinity, sulfate, calcium, sodium, potassium, magnesium, ammonia

WELL	4/17/18	7/2/18	10/22/18	4/22/2019	10/23/2019
MW-66	Dry		Dry	Dry	Dry
MW-85	Appendix I		Appendix I	Appendix I	Appendix I
MW-98	Appendix I		Appendix I	Appendix I	Appendix I
MW-99	Appendix I		Appendix I	Appendix I	Appendix I
MW-49	Appendix I		**Appendix II**	Appendix I	Appendix I
MW-54	Appendix I		**Appendix II**	Appendix I	Appendix I
MW-81	Appendix I		**Appendix II**	Appendix I	Appendix I
MW-87	Appendix I		Appendix I	Appendix I	Appendix I
MW-89	Appendix I		Appendix I	Appendix I	Appendix I
MW-91	Appendix I	R- Se	**Appendix II**	Appendix I	Appendix I
MW-93	Appendix I		**Appendix II**	Appendix I	Appendix I
MW-94	Appendix I		Appendix I	Appendix I	Appendix I
MW-95	Appendix I		Appendix I	Appendix I	Appendix I
MW-96	Appendix I		Appendix I	Appendix I	Appendix I
MW-97	As, Co, cis-1,2-DCE, vinyl chloride		As, Co, cis-1,2-DCE, vinyl chloride	As, Co, cis-1,2-DCE, vinyl chloride	As, Co, cis-1,2-DCE, vinyl chloride
Duplicate	At MW-54		At MW-93	At MW-89	At MW-93

WELL	4/10/2020	10/19/2020	1/7/2021	4/5/2021	7/2/2021	10/8/2021
MW-66	Dry	Dry		Dry		Dry
MW-85	Appendix I	Appendix I		Appendix I		Appendix I
MW-98	Appendix I	Appendix I		Appendix I		Appendix I
MW-99	Appendix I	Appendix I		Appendix I		Appendix I
MW-49	Appendix I	Appendix I + Note 1		Appendix I + Note 1		Appendix I
MW-54	Appendix I	Appendix I + Note 1		Appendix I + Note 1		Appendix I
MW-81	Appendix I	Appendix I + Note 1		Appendix I + Note 1		Appendix I
MW-87	Appendix I	Appendix I		Appendix I		Appendix I
MW-89	Appendix I	Appendix I		Appendix I		Appendix I
MW-91	Appendix I	Appendix I	R-Se	Appendix I		Appendix I
MW-93	Appendix I	Appendix I		Appendix I	R-Cu	Appendix I
MW-94	Appendix I + Note 1	Appendix I		Appendix I + Note 1		Appendix I
MW-95	Appendix I	Appendix I		Appendix I		Appendix I
MW-96/96R	Appendix I	Appendix I		Appendix I	R-As,Ba,Co	**Appendix II**
MW-97	Appendix I	Appendix I		Appendix I		Appendix I
SRAMP-B	Appendix I	Dry		Appendix I		Dry
PECS-B	Dry	Dry		Dry		Dry
LW-75	Note 1	Note 2		Note 1 + Note 2		N/A
Duplicate	At MW-96	At MW-85		At MW-89		At MW-97

WELL	4/6/2022	10/25/2022	4/10/2023	7/7/2023	7/20/2023	10/13/2023
MW-66	Dry	Dry	Dry			Dry
MW-85	Appendix I	Appendix I	Appendix I			Appendix I
MW-98	Appendix I	Appendix I	Appendix I			Appendix I
MW-99	Appendix I	Appendix I	Appendix I			Appendix I
MW-49	Appendix I + Note 1	Appendix I	Appendix I + Note 1			Appendix I
MW-54	Appendix I + Note 1	Appendix I	Appendix I + Note 1			Appendix I
MW-81	Appendix I + Note 1	Appendix I	Appendix I + Note 1			Appendix I
MW-87	Appendix I	Appendix I	Appendix I			Appendix I
MW-89	Appendix I	Appendix I	Appendix I			Appendix I
MW-91	Appendix I	Appendix I	Appendix I			**Appendix II**
MW-93	Appendix I	Appendix I	Appendix I			**Appendix II**
MW-94	Appendix I + Note 1	Appendix I	Appendix I + Note 1			Appendix I
MW-95	Appendix I	Appendix I	Appendix I			Appendix I
MW-96R	Appendix I	**Appendix II**	Appendix I	R-As+Co+Se	R-As+Co	Appendix I
MW-97	Appendix I	Appendix I	Appendix I			Appendix I
SRAMP-B	Appendix I	Dry	Dry			Appendix I
PECS-B	Dry	Dry	Dry			Dry
LW-75	Note 1+Note 2	NA	Note 1+Note 2			NA
Duplicate	At MW-91	At MW-98	At MW-97			At MW-95

WELL	1/25/2024	4/16/2024	7/18/2024	10/15/2024
MW-66		Dry		Dry
MW-85		Appendix I		Appendix I
MW-98		Appendix I		Appendix I
MW-99		Appendix I		Appendix I
MW-49		Appendix I + Note 1		Appendix I + Note 1
MW-54		Appendix I + Note 1		Appendix I + Note 1
MW-81		Appendix I + Note 1		Appendix I + Note 1
MW-87		Appendix I		Appendix I
MW-89		Appendix I		Appendix I
MW-91		Appendix I		Appendix I
MW-93		Appendix I		Appendix I
MW-94		Appendix I + Note 1		Appendix I + Note 1
MW-95	R-acetone	Appendix I		Appendix I
MW-96R		Appendix I		Appendix I
MW-97		Appendix I	R-Cu	Appendix I
SRAMP-B		Appendix I		Dry
PECS-B		Dry		Dry
LW-75		Note 2		Note 1+Note 2 (less VOC)
Duplicate		At MW-96R		At MW-95

Note 1 = dissolved methane, ethane, ethene and pH, alkalinity
Note 2 = Appendix I VOC, total cobalt, ammonia (N), sulfate, chloride, TDS, and BOD5.

WELL	4/14/2025	10/6/2025		
MW-66	Dry	Dry		
MW-85	Appendix I	Appendix I		
MW-98	Appendix I	Appendix I		
MW-99	Appendix I	Appendix I		
MW-49	Appendix I + Note 1	Appendix I		
MW-54	Appendix I + Note 1	Appendix I		
MW-81	Appendix I + Note 1	Appendix I		
MW-87	Appendix I	Appendix I		
MW-89	Appendix I	Appendix I		
MW-91	Appendix I	Appendix I		
MW-93	Appendix I	Appendix I		
MW-94	Appendix I + Note 1	Appendix I		
MW-95	Appendix I	Appendix I		
MW-96R	Appendix I	Appendix I		
MW-97	Appendix I	Appendix I		
SRAMP-B	Appendix I	Appendix I		
PECS-B	Dry	Dry		
LW-75	Note 1+Note 2	---		
Duplicate	At MW-87	At MW-94		

Note 1 = dissolved methane, ethane, ethene and pH, alkalinity
Note 2 = Appendix I VOC, total cobalt, ammonia (N), sulfate, chloride, TDS, and BOD5.

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

Table 3
Monitoring Well Maintenance and Performance Revaluation Schedule
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

Compliance with:	Monitoring Calendar Years									
	1996	2001	2006	2007	2008	2009	2010	2011	2012	2013
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	X	X	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = biennial)	X	X	X			X	X		X	
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)	X	X	X			X	X		X	
Waste separation from ground water 113.6(2)"I"					2X	2X	2X	2X	2X	2X

Compliance with:	Monitoring Calendar Years									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	X	X	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = biennial)	X		X		X		X		X	
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)	X		X		X		X		X	
Waste separation from ground water 113.6(2)"I"	2X	2X	2X	2X	2X	2X	2X	2X	2X	2X

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

X = completed
P = Planned

Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary

Table 4
Monitoring Well Maintenance and Performance Summary
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

Well	Top of casing	Top of Screen	Total Depth		Date of Measurements		Maximum Depth Discrepancy (ft)	Hydraulic Cond. (cm/sec)/date	Most Recent Recharge Rate	
					4/14/2025	10/6/2025			4/16/2024	Change
MW-66	1032.39	995.53	51.86	Groundwater Level (ft)	51.86	51.86	0	0.000392 Feb 2001	DRY	
				Groundwater Elevation (Ft MSL)	980.53	980.53				
				Measured Well Depth (ft)	51.86	51.86				
				Submerged (+) or Exposed screen (-)	-15	-15				
MW-85	1039.27	982.2	72.07	Groundwater Level (ft)	35.25	34.35	0.87	0.0000138 Feb 2006	Full recovery in <5 hour	None percieved
				Groundwater Elevation (Ft MSL)	1004.02	1004.92				
				Measured Well Depth (ft)	71.2	71.2				
				Submerged (+) or Exposed screen (-)	21.82	22.72				
MW-98	953.24	941.81	21.65	Groundwater Level (ft)	5.14	5.79	0	Not Measured	Full recovery in <5 hour	None percieved
				Groundwater Elevation (Ft MSL)	948.1	947.45				
				Measured Well Depth (ft)	21.65	21.65				
				Submerged (+) or Exposed screen (-)	6.29	5.64				
MW-99	913.98	902.35	21.9	Groundwater Level (ft)	10.3	9.39	0	Not Measured	Full recovery in <3 hour	None percieved
				Groundwater Elevation (Ft MSL)	903.68	904.59				
				Measured Well Depth (ft)	21.9	21.9				
				Submerged (+) or Exposed screen (-)	1.33	2.24				
MW-87	964.2	952.62	21.58	Groundwater Level (ft)	4.33	6.11	0.58	0.00000359 Feb 2006	90% recovery in 5 hour	None percieved
				Groundwater Elevation (Ft MSL)	959.87	958.09				
				Measured Well Depth (ft)	21	21				
				Submerged (+) or Exposed screen (-)	7.25	5.47				
MW-89	1012.79	995.25	27.5	Groundwater Level (ft)	7.77	8.34	0.2	0.0000039 Feb 2006	90% recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	1005.02	1004.45				
				Measured Well Depth (ft)	27.3	27.3				
				Submerged (+) or Exposed screen (-)	9.77	9.2				
MW-91	978.57	971.07	17.5	Groundwater Level (ft)	8.45	9.36	0.5	0.000622 Feb 2006	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	970.12	969.21				
				Measured Well Depth (ft)	17	17				
				Submerged (+) or Exposed screen (-)	-0.95	-1.86				
MW-93	921.91	909.74	22.25	Groundwater Level (ft)	16.13	15.25	0.05	Not Measured	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	905.78	906.66				
				Measured Well Depth (ft)	22.2	22.2				
				Submerged (+) or Exposed screen (-)	-3.96	-3.08				
MW-95	973.55	960.16	23.39	Groundwater Level (ft)	7.26	4.74	-0.01	Not Measured	Full recovery in >8 hour	None percieved
				Groundwater Elevation (Ft MSL)	966.29	968.81				
				Measured Well Depth (ft)	23.4	23.4				
				Submerged (+) or Exposed screen (-)	6.13	8.65				
MW-96R	941.85	931.05	20.8	Groundwater Level (ft)	11.05	12.45	0	Not Measured	Full recovery in 6 hour	None percieved
				Groundwater Elevation (Ft MSL)	930.8	929.4				
				Measured Well Depth (ft)	20.8	20.8				
				Submerged (+) or Exposed screen (-)	-0.25	-1.65				
MW-49	1019.99	993.57	26.25	Groundwater Level (ft)	15.01	17.32	0	0.00013 Feb 2006	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	1004.98	1002.67				
				Measured Well Depth (ft)	26.25	26.25				
				Submerged (+) or Exposed screen (-)	11.41	9.1				
MW-54	1035.44	1013.49	31.8	Groundwater Level (ft)	17.1	17.53	0	0.00000551 Feb 2006	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	1018.34	1017.91				
				Measured Well Depth (ft)	31.8	31.8				
				Submerged (+) or Exposed screen (-)	4.85	4.42				
MW-81	1009.27	989.27	35	Groundwater Level (ft)	20.06	18.79	1.1	0.0000197 Feb 2006	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	989.21	990.48				
				Measured Well Depth (ft)	33.9	33.9				
				Submerged (+) or Exposed screen (-)	-0.06	1.21				
MW-94	1030.99	1013.14	27.85	Groundwater Level (ft)	16.45	15.33	0.35	Not Measured	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	1014.54	1015.66				
				Measured Well Depth (ft)	27.5	27.5				
				Submerged (+) or Exposed screen (-)	1.4	2.52				
MW-97	1015.38	988.28	37.1	Groundwater Level (ft)	11.47	11.9	0.3	Not Measured	90% recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	1003.91	1003.48				
				Measured Well Depth (ft)	36.8	36.8				
				Submerged (+) or Exposed screen (-)	15.63	15.2				

Groundwater Underdrain Piezometer

Well		Date of Measurements	
		4/14/2025	10/6/2025
GPZ - 105	bottom of waste (feet MSL)	962	962
	Bottom Screen of GPZ (feet MSL)	956.75	956.75
	Thickness Water in GPZ (ft)	0.1	0.14
	Elevation water in GPZ (feet MSL)	956.85	956.89
	Minimum Separation (ft)	5.15	5.11

Table 4A – Water Elevation Summary Over Time

MARSHALL COUNTY SANITARY LANDFILL

Table 4A - Area B Elevations

MONTHLY WATER ELEVATIONS

	MW 49	MW 54	MW 66	MW 81	MW 85	MW 87	MW 89	MW 91	MW93	MW94
TOP PVC. ELEV, FT.	1019.99	1035.44	1032.39	1009.27	1039.27	964.20	1012.79	978.57	921.91	1030.99
DATE										
01/17/2001	999.65	1004.68					1001.08	966.87		
02/07/2001	1006.89	1019.44	995.39	988.07	1002.25	958.67	1002.54	972.44		
04/25/2001	1006.84	1019.44	1005.79	992.77	1005.67	958.70	1006.09	973.57		
07/20/2001	1002.74	1019.19					1005.89	969.87		
10/05/2001	998.89	1015.54	996.69	988.87	1001.97	956.20	1003.94	966.77		
01/03/2002	998.29	1014.04					1002.59	966.97		
04/29/2002	1003.02	1015.76	994.41	989.13	1001.22	958.11	1002.01	968.07		
07/03/2002	1005.69	1017.64					1004.74	971.87		
10/14/2002	999.40	1014.62	994.97	988.72	1001.86	956.27	1002.55	966.78		
01/27/2003	997.59	1013.14					1000.59	966.37		
04/21/2003	997.84	1014.26	993.50	987.57	999.18	958.27	1000.88	967.26		
07/10/2003	1007.49	1019.34					1006.74	974.67		
10/01/2003	1001.60	1016.16	994.89	988.59	1003.76	955.75	1004.18	966.78		
04/22/2004	1006.89	1019.94	1005.69	994.97	1005.57	959.80	1006.29	975.52		
10/05/2004	998.79	1015.29	998.09	989.97	1002.27	956.55	1002.39	966.87		
04/01/2005	1006.08	1016.97	1000.11	992.64	1003.54	960.16	1004.00	970.82		
07/12/2005										
10/04/2005	999.33	1015.32	996.60	990.66	1003.22	957.12	1002.94	967.49		
01/09/2006										
02/01/2006	1001.31	1013.58	994.60	989.20	1001.32	959.63	1002.83	968.66		
04/05/2006	1007.47	1018.51	996.67	994.28	1002.36	960.30	1004.47	973.00		
07/13/2006										
10/05/2006	1002.64	1016.87	995.89	992.41	1004.02	958.59	1004.89	970.71		
01/02/2007				1009.27		964.20				
04/10/2007	1006.58	1019.95		996.21	1006.29	960.33	1006.34	974.23		
07/30/2007			1005.45							
10/10/2007	1000.29	1015.63	998.27	992.03	1003.31	959.75	1004.19	970.43		
01/16/2008										
04/01/2008	1006.32	1019.90	1002.36	991.83	1004.86	960.31	1003.05	974.06		
06/20/2008	1004.98	1020.87	1009.66	995.98	1007.97	960.02	1008.97	973.45		
08/05/2008	1002.94	1019.44	1007.69	995.49	1006.57	960.02	1005.49	969.47	909.35	
10/02/2008	999.49	1016.24	1000.91	991.67	1003.67	959.48	1003.49	967.67	907.96	
12/10/2008	1001.98	1015.34	998.59	991.87	1003.77	960.20	1003.04	969.55	908.81	
04/01/2009	1005.74	1018.09	1004.84	994.17	1005.27	960.50	1004.84	973.97	910.31	
10/21/2009	1005.19	1017.44	1001.29	993.39	1005.29	960.30	1005.79	972.97	909.51	
04/20/2010	1003.99	1019.64	1005.89	993.77	1005.77	960.35	1005.99	972.87	909.81	
10/08/2010	1004.19	1019.44	1004.99	993.77	1006.22	960.20	1006.09	972.27	909.91	
04/04/2011	1006.54	1017.79	1000.79	992.87	1004.52	960.40	1004.34	971.57	908.91	1014.99
10/05/2011	997.99	1015.59	995.79	989.17	1002.37	957.20	1000.99	966.47	904.61	1011.69
04/09/2012	1005.49	1017.49	994.24	991.67	1002.92	960.00	1004.29	969.07	906.76	1014.24
10/08/2012	996.39	1014.34	992.59	987.27	999.87	954.65	999.29	965.47	902.61	1009.49
04/05/2013	1006.99	1021.24	990.49	989.27	1000.97	960.40	1001.99	971.47	905.41	1020.19
10/15/2013	997.44	1016.29	989.21	988.60	1002.37	955.85	999.57	963.87	900.59	1010.64
04/09/2014	1000.49	1017.84	987.59	986.57	1000.52	959.90	1000.74	967.82	904.71	1015.19
10/17/2014	1005.91	1020.79	988.09	993.67	1004.97	960.55	1006.44	972.22	908.81	1017.39
04/03/2015	1002.56	1017.68	987.73	992.07	1004.47	960.50	1004.06	969.47	907.09	1015.53
10/01/2015	1000.54	1017.29	986.48	991.57	1004.13	959.70	1004.29	968.77	907.42	1014.77
4/14/2016	1003.48	1019.04	988.61	994.37	1004.94	960.60	1004.60	971.97	909.37	1016.30
10/13/2016	1005.38	1019.74	983.87	993.01	1005.32	960.43	1005.97	971.06	908.25	1015.44
4/10/2017	1007.88	1020.74	983.70	995.19	1005.00	960.56	1006.12	972.40	909.75	1017.75
10/9/2017	997.84	1015.61	980.49	988.82	1001.46	956.30	1000.92	966.45	903.43	1012.53
4/17/2018	1008.62	1023.37	980.59	994.32	1002.55	960.70	1006.46	972.37	907.30	1018.30
10/22/2018	1006.89	1021.71	980.59	994.51	1007.25	960.16	1009.31	972.47	909.86	1020.16
4/22/2019	1004.09	1019.51	980.54	993.99	1005.41	960.10	1004.81	971.26	909.07	1017.79
10/23/2019	1006.10	1020.54	980.54	993.40	1004.27	960.38	1005.99	972.64	909.45	1017.31
4/10/2020	1005.55	1020.43	980.54	993.83	1005.89	960.34	1005.22	971.77	909.21	1017.18
10/23/2020	998.73	1015.96	980.54	989.54	1001.64	957.05	1003.51	967.21	904.16	1012.37
4/5/2021	1007.32	1021.03	980.54	992.24	1003.86	960.25	1005.64	972.14	908.17	1018.77
10/8/2021	997.54	1015.18	980.54	987.15	1000.13	955.10	1000.03	966.77	902.42	1010.57
4/6/2022	1005.50	1019.59	980.54	991.22	1001.89	960.35	1006.80	972.29	905.66	1013.55
10/25/2022	998.49	1015.77	980.54	987.39	1002.09	955.69	1002.85	966.72	902.81	1011.19
4/10/2023	1006.97	1019.72	980.54	992.02	1004.82	960.16	1004.48	971.42	907.32	1017.23
10/13/2023	997.23	1014.91	980.54	986.95	1001.32	955.03	998.87	966.43	902.42	1009.54
4/16/2024	999.88	1017.98	980.54	986.78	1001.85	958.95	1004.53	969.78	903.50	1015.63
10/15/2024	1003.60	1017.43	980.59	988.16	1003.89	956.22	1004.04	967.07	903.49	1014.89
4/14/2025	1004.98	1018.34	980.59	989.21	1004.02	959.87	1005.02	970.12	905.78	1014.54
10/6/2025	1002.67	1017.91	980.59	990.48	1004.92	958.09	1004.45	969.21	906.66	1015.76
maximum depth to water	26	32.3	52.5	23.25	45.4	9.55	13.5	14.7	21.32	21.5
low water elevation	993.99	1003.14	979.89	986.02	993.87	954.65	999.29	963.87	900.59	1009.49
minimum depth to water	10.54	9.7	22.27	12.43	31.3	3.5	3.48	3.05	11.6	10.8
high water elevation	1009.45	1025.74	1010.12	996.84	1007.97	960.70	1009.31	975.52	910.31	1020.19

Table 4A - Area B Elevations

	MW95	MW96	MW97	MW98	MW99	MW120	MW121
TOP PVC. ELEV, FT.	973.55	947.01	1015.38	953.24	913.98	948.04	938.61
DATE		MW96R 941.85					
01/17/2001							
02/07/2001							
04/25/2001							
07/20/2001							
10/05/2001							
01/03/2002							
04/29/2002							
07/03/2002							
10/14/2002							
01/27/2003							
04/21/2003							
07/10/2003							
10/01/2003							
04/22/2004							
10/05/2004							
04/01/2005							
07/12/2005							
10/04/2005							
01/09/2006							
02/01/2006							
04/05/2006							
07/13/2006							
10/05/2006							
01/02/2007							
04/10/2007							
07/30/2007							
10/10/2007							
01/16/2008							
04/01/2008							
06/20/2008							
08/05/2008							
10/02/2008							
12/10/2008							
04/01/2009							
10/21/2009							
04/20/2010							
10/08/2010							
04/04/2011	966.95	935.16					
10/05/2011	969.55	933.11					
04/09/2012	967.20	935.16					
10/08/2012	968.35	933.01					
04/05/2013	965.40	934.21					
10/15/2013	968.35	932.21					
04/09/2014	966.55	933.41	1002.68				
10/17/2014	970.00	936.81	1006.28				
04/03/2015	967.05	934.61	1003.48				
10/01/2015	970.45	935.20	1002.79				
4/14/2016	967.24	935.16	1004.42				
10/13/2016	970.59	934.49	1004.13	947.61	906.28		
4/10/2017	962.35	936.59	1006.58	949.43	907.64		
10/9/2017	969.40	934.80	999.24	947.07	894.10		
4/17/2018	966.98	938.11	1005.32	949.49	905.16		
10/22/2018	970.40	939.81	1007.24	948.70	907.75		
4/22/2019	967.27	934.87	1004.98	948.86	907.27		
10/23/2019	970.13	935.86	1006.60	949.41	906.20		
4/10/2020	967.19	935.16	1005.11	949.31	906.84		
10/23/2020	969.08	934.06	1000.43	947.44	902.88		
4/5/2021	966.88	932.39	1006.74	948.85	904.93		
10/8/2021	968.80	927.95	998.28	944.94	901.21		
4/6/2022	966.55	932.55	1005.10	948.75	903.59		
10/25/2022	968.71	928.70	999.35	946.35	901.77		
4/10/2023	966.69	931.36	1004.80	948.63	904.52	938.54	925.17
10/13/2023	968.18	928.05	997.56	944.72	901.25	938.23	924.53
4/16/2024	966.10	931.22	1004.21	947.68	902.18	941.63	929.51
10/15/2024	968.14	928.04	1001.23	946.48	902.24	938.58	924.83
4/14/2025	966.29	930.80	1003.91	948.10	903.68	942.21	928.79
10/6/2025	968.81	929.40	1003.48	947.45	904.59	940.50	926.80
maximum depth to water	11.2	941.85	17.1	8.3	19.88	9.81	14.08
low water elevation	962.35	5.16	998.28	944.94	894.10	938.23	924.53
minimum depth to water	2.96	7.2	8.14	3.75	6.23	9.5	13.44
high water elevation	970.59	939.81	1007.24	949.49	907.75	938.54	925.17

Table 5 – Background and GWPS Summary

Table 5
Background and GWPS Summary
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

Interwell Background/(MW-66, MW-85, MW-98, and MW-99)

Inorganics - Appendix I										
Constituent	**Units**	**Model Type**	**Samples - N**	**Detections**	**Mean**	**SD**	**Prediction Limit**	**Confidence**	**GWPS**	**Source**
Antimony (Sb)	µg/l	nonparametric	71	0			2.0000	0.99	6	SS
Arsenic (As)	µg/l	nonparametric	69	6			7.8000	0.99	10	SS
Barium (Ba)	µg/l	normal	71	71	174.3944	110.33	438.9092		2000	SS
Beryllium (Be)	µg/l	nonparametric	71	0			4.0000	0.99	4	SS
Cadmium (Cd)	µg/l	nonparametric	71	1			0.8000	0.99	5	SS
Chromium (Cr)	µg/l	nonparametric	71	5			23.4000	0.99	100	SS
Cobalt (Co)	µg/l	normal	69	39	1.5116	1.7812	**5.7858**		**5.7858**	**Site**
Copper (Cu)	µg/l	nonparametric	71	4			5.3000	0.99	1300	SS
Lead (Pb)	µg/l	nonparametric	71	0			4.0000	0.99	15	SS
Nickel (Ni)	µg/l	nonparametric	70	14			8.8000	0.99	100	SS
Selenium (Se)	µg/l	nonparametric	71	0			4.0000	0.99	50	SS
Silver (Ag)	µg/l	nonparametric	71	0			4.0000	0.99	100	SS
Thallium (Tl)	µg/l	nonparametric	71	0			2.0000	0.99	2	SS
Vanadium (V)	µg/l	nonparametric	71	0			20.0000	0.99	35	SS
Zinc (Zn)	µg/l	nonparametric	70	13			54.6000	0.99	2000	SS

VOC - Appendix I										
Constituent	**Units**	**Model Type**	**Samples - N**	**Detections**	**Mean**	**SD**	**Prediction Limit**	**Confidence**	**GWPS**	**Source**
All	µg/l	DQR	71	0	<1	<1	<1		various	SS

= Prediction limit exceeds the GWPS. A Site-Specific GWPS equal to the Prediction Limit is used.

Intrawell Background at MW-93 and MW-96R

Compound	Units	Point	Intrawell Statistical Control Limit	IAC 567-137 Statewide Standards
Antimony, total	ug/L	**MW-93**	**2.0000**	**6**
Arsenic, total	ug/L	**MW-93**	**81.6313**	**10**
Barium, total	ug/L	**MW-93**	**525.9443**	**2000**
Beryllium, total	ug/L	**MW-93**	**4.0000**	**4**
Cadmium, totall	ug/L	**MW-93**	**0.8000**	**5**
Chromium, total	ug/L	**MW-93**	**8.0000**	**100**
Cobalt, total	ug/L	**MW-93**	**25.1103**	**2.1**
Copper, total	ug/L	**MW-93**	**4.0000**	**1300**
Lead, total	ug/L	**MW-93**	**4.0000**	**15**
Nickel, total	ug/L	**MW-93**	**54.9667**	**100**
Selenium, total	ug/L	**MW-93**	**4.0000**	**50**
Silver, total	ug/L	**MW-93**	**4.0000**	**100**
Thallium, total	ug/L	**MW-93**	**4.0000**	**2**
Vanadium, total	ug/L	**MW-93**	**20.0000**	**35**
Zinc, total	ug/L	**MW-93**	**34.2000**	**2000**
Antimony, total	ug/L	**MW-96R**	**2.0000**	**6**
Arsenic, total	ug/L	**MW-96R**	**69.8425**	**10**
Barium, total	ug/L	**MW-96R**	**1953.8348**	**2000**
Beryllium, total	ug/L	**MW-96R**	**4.0000**	**4**
Cadmium, totall	ug/L	**MW-96R**	**0.8000**	**5**
Chromium, total	ug/L	**MW-96R**	**8.0000**	**100**
Cobalt, total	ug/L	**MW-96R**	**22.1568**	**2.1**
Copper, total	ug/L	**MW-96R**	**4.0000**	**1300**
Lead, total	ug/L	**MW-96R**	**4.0000**	**15**
Nickel, total	ug/L	**MW-96R**	**12.3187**	**100**
Selenium, total	ug/L	**MW-96R**	**14.8059**	**50**
Silver, total	ug/L	**MW-96R**	**4.0000**	**100**
Thallium, total	ug/L	**MW-96R**	**2.0000**	**2**
Vanadium, total	ug/L	**MW-96R**	**20.0000**	**35**
Zinc, total	ug/L	**MW-96R**	**20.0000**	**2000**

= Control limit exceeds the GWPS. A Site-Specific GWPS equal to the Control Limit is used.

Table 6 – Summary of Detections

Table 6
Summary of Well/Detected Constituent Pairs that Exceed the Prediction Limit/Control Limit
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

MW-66 was dry 4/14/2025 & 10/6/2025
PECS B was dry 4/14/2025 & 10/6/2025

Well	Constituent	Date	Most recent result (ug/L)	Background Standard (ug/L)	Monitoring Program	Statistical Method	
MW-87	None	4/14/2025 & 10/6/2025	N/A	N/A	AZPOC - detection	Interwell	
MW-89	None	4/14/2025 & 10/6/2025	N/A	N/A	AZPOC - detection	Interwell	
MW-91	selenium	4/14/2025	5.0	4.0	AZPOC - assessment	Interwell	
MW-91	None	10/6/2025	N/A	N/A	AZPOC - assessment	Interwell	
MW-93	Arsenic, Cobalt, Nickel	4/14/2025 & 10/6/2025	N/A	N/A	POC - assessment	Interwell	There is no SSI, as both methods of statistical
MW-93	**None**	4/14/2025 & 10/6/2025	N/A	N/A	POC - assessment	**INTRAWELL**	analyses did not exhibit an exceedance (Doc #110151).
MW-95	None	4/14/2025 & 10/6/2025	N/A	N/A	POC - detection	Interwell	
MW-96R	Cobalt, Selenium	4/14/2025 & 10/6/2025	N/A	N/A	POC - assessment	Interwell	There is no SSI, as both methods of statistical
MW-96R	**None**	4/14/2025 & 10/6/2025	N/A	N/A	POC - assessment	**INTRAWELL**	analyses did not exhibit an exceedance (Doc #110151).
MW-97	None	4/14/2025 & 10/6/2025	N/A	N/A	AZPOC - detection	Interwell	
SRAMP-B	None	4/14/2025 & 10/6/2025	N/A	N/A	POC - detection	Interwell	

Table 7 – Summary of Ongoing and Newly Identified SSI - INTERWELL

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-87	Cobalt	4/14/2016	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-87	Cobalt	10/13/2016	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-87	Cobalt	4/10/2017	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-87	Cobalt	10/9/2017	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-87	Cobalt	4/17/2018	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-87	Cobalt	10/22/2018	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-87	Cobalt	4/22/2019	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-87	Cobalt	10/23/2019	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-87	Cobalt	4/10/2020	<0.4	6.0	0.400	**6**	NA	NA	10/22/2018
MW-87	Cobalt	10/19/2020	<0.4	6.0	0.400	**6**	NA	NA	10/22/2018
MW-87	Cobalt	4/5/2021	<0.4	6.0	0.400	**6**	NA	NA	10/22/2018
MW-87	Cobalt	10/8/2021	<0.4	5.7024	0.200	**5.7024**	NA	NA	10/22/2018
MW-87	Cobalt	4/6/2022	<0.4	5.7100	0.200	**5.7100**	NA	NA	10/22/2018
MW-87	Cobalt	10/25/2022	<0.4	5.7836	0.200	**5.7836**	NA	NA	10/22/2018
MW-87	Cobalt	4/10/2023	<0.4	5.6895	0.200	**5.6895**	NA	NA	10/22/2018
MW-87	Cobalt	10/13/2023	<0.4	5.9053	0.200	**5.9053**	NA	NA	10/22/2018
MW-87	Cobalt	4/16/2024	<0.4	6.0584	0.200	**6.0584**	NA	NA	10/22/2018
MW-87	Cobalt	10/15/2024	<0.4	5.9879	0.200	**5.9879**	NA	NA	10/22/2018
MW-87	Cobalt	4/14/2025	<0.5	5.7858	0.200	**5.7858**	NA	NA	10/22/2018
MW-87	Cobalt	10/6/2025	<0.5	5.7858	0.200	**5.7858**	NA	NA	10/22/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-87	1,2-dichloropropane	4/14/2016	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	10/13/2016	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	4/10/2017	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	10/9/2017	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	4/17/2018	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	10/22/2018	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	4/22/2019	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	10/23/2019	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	4/10/2020	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	10/19/2020	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	4/5/2021	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	10/8/2021	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	4/6/2022	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	10/25/2022	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	4/10/2023	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	10/13/2023	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	4/16/2024	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	10/15/2024	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	4/14/2025	<1.00	1.00	0.500	5	NA	NA	10/22/2018
MW-87	1,2-dichloropropane	10/6/2025	<1.00	1.00	0.500	5	NA	NA	10/22/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-87	cis-1,2-dichloroethene	4/14/2016	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	10/13/2016	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	4/10/2017	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	10/9/2017	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	4/17/2018	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	10/22/2018	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	4/22/2019	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	10/23/2019	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	4/10/2020	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	10/19/2020	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	4.5/2021	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	10/8/2021	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	4/6/2022	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	10/25/2022	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	4/10/2023	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	10/13/2023	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	4/16/2024	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	10/15/2024	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	4/14/2025	<1.00	1.00	0.500	70	NA	NA	10/22/2018
MW-87	cis-1,2-dichloroethene	10/6/2025	<1.00	1.00	0.500	70	NA	NA	10/22/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-87	Vinyl Chloride	4/14/2016	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	10/13/2016	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	4/10/2017	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	10/9/2017	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	4/17/2018	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	10/22/2018	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	4/22/2019	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	10/23/2019	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	4/10/2020	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	10/19/2020	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	4/5/2021	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	10/8/2021	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	4/6/2022	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	10/25/2022	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	4/10/2023	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	10/13/2023	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	4/16/2024	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	10/15/2024	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	4/14/2025	<1.00	1.00	0.500	2	NA	NA	10/22/2018
MW-87	Vinyl Chloride	10/6/2025	<1.00	1.00	0.500	2	NA	NA	10/22/2018

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

Table 7
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Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 89	Cobalt	4/14/2016	<0.8	6.00	0.400	**6**	NA	NA	10/22/2018
MW 89	Cobalt	10/13/2016	<0.8	6.00	0.400	**6**	NA	NA	10/22/2018
MW 89	Cobalt	4/10/2017	<0.8	6.00	0.400	**6**	NA	NA	10/22/2018
MW 89	Cobalt	10/9/2017	<0.8	6.00	0.400	**6**	NA	NA	10/22/2018
MW 89	Cobalt	4/17/2018	<0.8	6.00	0.400	**6**	NA	NA	10/22/2018
MW 89	Cobalt	10/22/2018	<0.8	6.00	0.400	**6**	NA	NA	10/22/2018
MW 89	Cobalt	4/22/2019	<0.8	6.00	0.400	**6**	NA	NA	10/22/2018
MW 89	Cobalt	10/23/2019	<0.8	6.00	0.400	**6**	NA	NA	10/22/2018
MW 89	Cobalt	4/10/2020	<0.4	6.00	0.400	**6**	NA	NA	10/22/2018
MW 89	Cobalt	10/19/2020	<0.4	6.00	0.400	**6**	NA	NA	10/22/2018
MW 89	Cobalt	4/5/2021	<0.4	6.00	0.400	**6**	NA	NA	10/22/2018
MW 89	Cobalt	10/8/2021	<0.4	5.7024	0.200	**5.7024**	NA	NA	10/22/2018
MW 89	Cobalt	4/6/2022	<0.4	5.7100	0.200	**5.7100**	NA	NA	10/22/2018
MW 89	Cobalt	10/25/2022	<0.4	5.7836	0.200	**5.7836**	NA	NA	10/22/2018
MW 89	Cobalt	4/10/2023	<0.4	5.6895	0.200	**5.6895**	NA	NA	10/22/2018
MW 89	Cobalt	10/13/2023	<0.4	5.9053	0.200	**5.9053**	NA	NA	10/22/2018
MW 89	Cobalt	4/16/2024	<0.4	6.0584	0.200	**6.0584**	NA	NA	10/22/2018
MW 89	Cobalt	10/15/2024	<0.4	5.9879	0.200	**5.9879**	NA	NA	10/22/2018
MW 89	Cobalt	4/14/2025	<0.5	5.7858	0.200	**5.7858**	NA	NA	10/22/2018
MW 89	Cobalt	10/6/2025	<0.5	5.7858	0.200	**5.7858**	NA	NA	10/22/2018

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

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

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-91	arsenic	4/14/2016	<4.0	25.3	2.000	**25.3**	NA	NA	10/22/2018
MW-91	arsenic	10/13/2016	<4.0	25.3	2.000	**25.3**	NA	NA	10/22/2018
MW-91	arsenic	4/10/2017	<4.0	25.3	2.000	**25.3**	NA	NA	10/22/2018
MW-91	arsenic	10/9/2017	4.00	25.3	1.324	**25.3**	NA	NA	10/22/2018
MW-91	arsenic	4/17/2018	<4.0	25.3	1.324	**25.3**	NA	NA	10/22/2018
MW-91	arsenic	10/22/2018	<4.0	25.3	1.324	**25.3**	NA	NA	10/22/2018
MW-91	arsenic	4/22/2019	<4.0	25.3	1.324	**25.3**	NA	NA	10/22/2018
MW-91	arsenic	10/23/2019	<4.0	25.3	2.000	**25.3**	NA	NA	10/22/2018
MW-91	arsenic	4/10/2020	<4.0	25.3	2.000	**25.3**	NA	NA	10/22/2018
MW-91	arsenic	10/19/2020	<4.0	7.8	2.000	10	NA	NA	10/22/2018
MW-91	arsenic	4/5/2021	<4.0	7.8	2.000	10	NA	NA	10/22/2018
MW-91	arsenic	10/8/2021	<4.0	7.8	2.000	10	NA	NA	10/22/2018
MW-91	arsenic	4/6/2022	<4.0	7.8	2.000	10	NA	NA	10/22/2018
MW-91	arsenic	10/25/2022	<4.0	7.8	2.000	10	NA	NA	10/22/2018
MW-91	arsenic	4/10/2023	<4.0	7.8	2.000	10	NA	NA	10/22/2018
MW-91	arsenic	10/13/2023	<4.0	7.8	2.000	10	NA	NA	10/22/2018
MW-91	arsenic	4/16/2024	<4.0	7.8	2.000	10	NA	NA	10/22/2018
MW-91	arsenic	10/15/2024	<4.0	7.8	2.000	10	NA	NA	10/22/2018
MW-91	arsenic	4/14/2025	<2.0	7.8	2.000	10	NA	NA	10/22/2018
MW-91	arsenic	10/6/2025	<2.0	7.8	2.000	10	NA	NA	10/22/2018

Table 7
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Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

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-91	barium	4/14/2016	162.0	830.3938	---	2000	NA	NA	10/22/2018
MW-91	barium	10/13/2016	255.0	752.2511	---	2000	NA	NA	10/22/2018
MW-91	barium	4/10/2017	162.0	697.2202	127.012	2000	NA	NA	10/22/2018
MW-91	barium	10/9/2017	663.0	661.9074	29.303	2000	NA	NA	10/22/2018
MW-91	barium	4/17/2018	126.0	632.3878	4.532	2000	NA	NA	10/22/2018
MW-91	barium	10/22/2018	167.0	608.9577	6.833	2000	NA	NA	10/22/2018
MW-91	barium	4/22/2019	183.0	585.7477	124.465	2000	NA	NA	10/22/2018
MW-91	barium	10/23/2019	363.0	566.1175	86.300	2000	NA	NA	10/22/2018
MW-91	barium	4/10/2020	165.0	547.5754	106.570	2000	NA	NA	10/22/2018
MW-91	barium	10/19/2020	268.0	531.2195	138.023	2000	NA	NA	10/22/2018
MW-91	barium	4/5/2021	118.0	516.6799	99.836	2000	NA	NA	10/22/2018
MW-91	barium	10/8/2021	235.0	503.4302	116.868	2000	NA	NA	10/22/2018
MW-91	barium	4/6/2022	111.0	491.5435	88.559	2000	NA	NA	10/22/2018
MW-91	barium	10/25/2022	203.0	480.8617	94.058	2000	NA	NA	10/22/2018
MW-91	barium	4/10/2023	116.0	471.0737	92.933	2000	NA	NA	10/22/2018
MW-91	barium	10/13/2023	241.0	462.9491	92.933	2000	NA	NA	10/22/2018
MW-91	barium	4/16/2024	186.0	460.7031	141.190	2000	NA	NA	10/22/2018
MW-91	barium	10/15/2024	242.0	452.8909	144.670	2000	NA	NA	10/22/2018
MW-91	barium	4/14/2025	153.0	445.3916	167.655	2000	NA	NA	10/22/2018
MW-91	barium	10/6/2025	250.0	438.9092	167.660	2000	NA	NA	10/22/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

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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-91	cobalt	4/14/2016	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-91	cobalt	10/13/2016	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-91	cobalt	4/10/2017	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-91	cobalt	10/9/2017	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-91	cobalt	4/17/2018	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-91	cobalt	10/22/2018	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-91	cobalt	4/22/2019	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-91	cobalt	10/23/2019	<0.8	6.0	0.400	**6**	NA	NA	10/22/2018
MW-91	cobalt	4/10/2020	<0.4	6.0	0.400	**6**	NA	NA	10/22/2018
MW-91	cobalt	10/19/2020	<0.4	6.0	0.400	**6**	NA	NA	10/22/2018
MW-91	cobalt	4/5/2021	<0.4	6.0	0.400	**6**	NA	NA	10/22/2018
MW-91	cobalt	10/8/2021	<0.4	5.7024	0.200	**5.7024**	NA	NA	10/22/2018
MW-91	cobalt	4/6/2022	<0.4	5.7100	0.200	**5.7100**	NA	NA	10/22/2018
MW-91	cobalt	10/25/2022	<0.4	5.7836	0.200	**5.7836**	NA	NA	10/22/2018
MW-91	cobalt	4/10/2023	<0.4	5.6895	0.200	**5.6895**	NA	NA	10/22/2018
MW-91	cobalt	10/13/2023	<0.4	5.9053	0.200	**5.9053**	NA	NA	10/22/2018
MW-91	cobalt	4/16/2024	<0.4	6.0584	0.200	**6.0584**	NA	NA	10/22/2018
MW-91	cobalt	10/15/2024	<0.4	5.9879	0.200	**5.9879**	NA	NA	10/22/2018
MW-91	cobalt	4/14/2025	<0.5	5.7858	0.200	**5.7858**	NA	NA	10/22/2018
MW-91	cobalt	10/6/2025	<0.5	5.7858	0.200	**5.7858**	NA	NA	10/22/2018

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Annual Water Quality Report
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Permit No.64-SDP-02-75P

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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-91	selenium	4/14/2016	<4.0	4.00	---	50	NA	NA	10/22/2018
MW-91	selenium	10/13/2016	<4.0	4.00	---	50	NA	NA	10/22/2018
MW-91	selenium	4/10/2017	6.50	4.00	0.478	50	4/10/2017	NA	10/22/2018
MW-91	selenium	7/11/2017	<4.0	4.00	---	50	4/10/2017	NA	10/22/2018
MW-91	selenium	10/9/2017	4.70	4.00	1.207	50	4/10/2017	NA	10/22/2018
MW-91	selenium	1/9/2018	<4.0	4.00	1.207	50	4/10/2017	NA	10/22/2018
MW-91	selenium	4/17/2018	5.60	4.00	1.393	50	4/10/2017	NA	10/22/2018
MW-91	selenium	7/2/2018	<4.0	4.00	1.393	50	4/10/2017	NA	10/22/2018
MW-91	selenium	10/22/2018	<4.0	4.00	0.783	50	4/10/2017	NA	10/22/2018
MW-91	selenium	4/22/2019	<4.0	4.00	0.783	50	4/10/2017	NA	10/22/2018
MW-91	selenium	10/23/2019	<4.0	4.00	2.000	50	4/10/2017	NA	10/22/2018
MW-91	selenium	4/10/2020	<4.0	4.00	2.000	50	4/10/2017	NA	10/22/2018
MW-91	selenium	10/19/2020	4.10	4.00	1.29	50	4/10/2017	NA	10/22/2018
MW-91	selenium	1/7/2021	<4.0	4.00	1.29	50	4/10/2017	NA	10/22/2018
MW-91	selenium	4/5/2021	5.30	4.00	1.428	50	4/10/2017	NA	10/22/2018
MW-91	selenium	10/8/2021	<4.0	4.00	1.428	50	4/10/2017	NA	10/22/2018
MW-91	selenium	4/6/2022	<4.0	4.00	0.884	50	4/10/2017	NA	10/22/2018
MW-91	selenium	10/25/2022	<4.0	4.00	0.884	50	4/10/2017	NA	10/22/2018
MW-91	selenium	4/10/2023	<4.0	4.00	2.000	50	4/10/2017	NA	10/22/2018
MW-91	selenium	10/13/2023	<4.0	4.00	2.000	50	4/10/2017	NA	10/22/2018
MW-91	selenium	4/16/2024	<4.0	4.00	2.000	50	4/10/2017	NA	10/22/2018
MW-91	selenium	10/15/2024	<4.0	4.00	2.000	50	4/10/2017	NA	10/22/2018
MW-91	selenium	4/14/2025	5.00	4.00	0.986	50	4/10/2017	NA	10/22/2018
MW-91	selenium	10/6/2025	<2.0	4.00	0.986	50	4/10/2017	NA	10/22/2018

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Annual Water Quality Report
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Permit No.64-SDP-02-75P

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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-91	1,1-dichloroethane	4/14/2016	<1.0	1.0	0.392	140	NA	NA	10/22/2018
MW-91	1,1-dichloroethane	10/13/2016	<1.0	1.0	0	140	NA	NA	10/22/2018
MW-91	1,1-dichloroethane	4/10/2017	<1.0	1.0	0	140	NA	NA	10/22/2018
MW-91	1,1-dichloroethane	10/9/2017	2.50	1.0	0	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	1/9/2018	1.70	1.0	0	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	4/17/2018	<1.0	1.0	0.147	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	10/22/2018	<1.0	1.0	0.147	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	4/22/2019	2.70	1.0	0.100	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	10/23/2019	<1.0	1.0	0.000	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	4/10/2020	<1.0	1.0	0.000	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	10/19/2020	1.50	1.0	0.070	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	4/5/2021	<1.0	1.0	0.162	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	10/8/2021	<1.0	1.0	0.162	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	4/6/2022	<1.0	1.0	0.162	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	10/25/2022	<1.0	1.0	0.500	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	4/10/2023	<1.0	1.0	0.500	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	10/13/2023	<1.0	1.0	0.500	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	4/16/2024	<1.0	1.0	0.500	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	10/15/2024	<1.0	1.0	0.500	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	4/14/2025	<1.0	1.0	0.500	140	10/9/2017	NA	10/22/2018
MW-91	1,1-dichloroethane	10/6/2025	<1.0	1.0	0.500	140	10/9/2017	NA	10/22/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-91	vinyl chloride	4/14/2016	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	10/13/2016	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	4/10/2017	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	10/9/2017	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	4/17/2018	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	10/22/2018	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	4/22/2019	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	10/23/2019	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	4/10/2020	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	10/19/2020	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	4/5/2021	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	10/8/2021	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	4/6/2022	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	10/25/2022	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	4/10/2023	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	10/13/2023	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	4/16/2024	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	10/15/2024	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	4/14/2025	<1.0	1.0	0.500	2	NA	NA	10/22/2018
MW-91	vinyl chloride	10/6/2025	<1.0	1.0	0.500	2	NA	NA	10/22/2018

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Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	INTERWELL Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due
MW-93	Aresenic	4/14/2016	16.10	25.30	1.768	**25.30**	4/22/2019	NA
MW-93	Aresenic	10/13/2016	6.50	25.30	2.374	**25.30**	4/22/2019	NA
MW-93	Aresenic	4/10/2017	5.50	25.30	2.193	**25.30**	4/22/2019	NA
MW-93	Aresenic	10/9/2017	<4.0	25.30	0.428	**25.30**	4/22/2019	NA
MW-93	Aresenic	4/17/2018	5.40	25.30	2.540	**25.30**	4/22/2019	NA
MW-93	Aresenic	10/22/2018	18.40	25.30	0.000	**25.30**	4/22/2019	NA
MW-93	Aresenic	4/22/2019	67.30	25.30	0.000	**25.30**	4/22/2019	NA
MW-93	Aresenic	10/23/2019	13.60	25.30	0.000	**25.30**	4/22/2019	NA
MW-93	Aresenic	4/10/2020	17.50	25.30	0.000	**25.30**	4/22/2019	NA
MW-93	Aresenic	10/19/2020	4.80	7.80	0.000	10	4/22/2019	NA
MW-93	Aresenic	4/5/2021	10.50	7.80	5.292	10	4/22/2019	NA
MW-93	Aresenic	10/8/2021	11.40	7.80	4.934	10	4/22/2019	NA
MW-93	Aresenic	4/6/2022	11.10	7.80	5.777	10	4/22/2019	NA
MW-93	Aresenic	10/25/2022	58.50	7.80	0.000	10	4/22/2019	NA
MW-93	Aresenic	4/10/2023	9.30	7.80	0.000	10	4/22/2019	NA
MW-93	Aresenic	10/13/2023	59.60	7.80	1.434	10	4/22/2019	NA
MW-93	Aresenic	4/16/2024	11.90	7.80	1.893	10	4/22/2019	NA
MW-93	Aresenic	10/15/2024	15.20	7.80	0.000	10	4/22/2019	NA
MW-93	Aresenic	4/14/2025	10.40	7.80	0.000	10	4/22/2019	NA
MW-93	Aresenic	10/6/2025	19.80	7.80	9.426	10	4/22/2019	NA

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Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	INTERWELL Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due
MW-93	Cobalt	4/14/2016	14.70	6.00	5.750	**6.00**	4/14/2016	NA
MW-93	Cobalt	10/13/2016	6.60	6.00	5.361	**6.00**	4/14/2016	NA
MW-93	Cobalt	4/10/2017	8.60	6.00	5.046	**6.00**	4/14/2016	NA
MW-93	Cobalt	10/9/2017	5.20	6.00	3.847	**6.00**	4/14/2016	NA
MW-93	Cobalt	4/17/2018	5.90	6.00	4.851	**6.00**	4/14/2016	NA
MW-93	Cobalt	10/22/2018	9.90	6.00	4.789	**6.00**	4/14/2016	NA
MW-93	Cobalt	4/22/2019	18.90	6.00	2.564	**6.00**	4/14/2016	NA
MW-93	Cobalt	10/23/2019	8.30	6.00	4.073	**6.00**	4/14/2016	NA
MW-93	Cobalt	4/10/2020	11.30	6.00	6.576	**6.00**	4/14/2016	NA
MW-93	Cobalt	10/19/2020	4.60	6.00	3.635	**6.00**	4/14/2016	NA
MW-93	Cobalt	4/5/2021	7.90	6.00	4.800	**6.00**	4/14/2016	NA
MW-93	Cobalt	10/8/2021	7.10	5.7024	4.470	**5.7024**	4/14/2016	NA
MW-93	Cobalt	4/6/2022	8.70	5.7100	4.988	**5.7100**	4/14/2016	NA
MW-93	Cobalt	10/25/2022	8.60	5.7836	7.203	**5.7836**	4/14/2016	NA
MW-93	Cobalt	4/10/2023	9.00	5.6895	7.350	**5.6895**	4/14/2016	NA
MW-93	Cobalt	10/13/2023	8.30	5.9053	8.310	**5.9053**	4/14/2016	NA
MW-93	Cobalt	4/16/2024	9.80	6.0584	8.160	**6.0584**	4/14/2016	NA
MW-93	Cobalt	10/15/2024	9.90	5.9879	8.367	**5.9879**	4/14/2016	NA
MW-93	Cobalt	4/14/2025	11.50	5.7858	8.337	**5.7858**	4/14/2016	NA
MW-93	Cobalt	10/6/2025	12.20	5.7858	9.450	**5.7858**	4/14/2016	NA

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	INTERWELL Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due
MW-93	Nickel	4/14/2016	26.50	8.80	27.148	100	4/14/2016	NA
MW-93	Nickel	10/13/2016	31.80	8.80	26.223	100	4/14/2016	NA
MW-93	Nickel	4/10/2017	27.30	8.80	25.222	100	4/14/2016	NA
MW-93	Nickel	10/9/2017	28.20	8.80	25.699	100	4/14/2016	NA
MW-93	Nickel	4/17/2018	26.20	8.80	25.522	100	4/14/2016	NA
MW-93	Nickel	10/22/2018	35.70	8.80	24.278	100	4/14/2016	NA
MW-93	Nickel	4/22/2019	24.20	8.80	22.667	100	4/14/2016	NA
MW-93	Nickel	10/23/2019	26.30	8.80	22.033	100	4/14/2016	NA
MW-93	Nickel	4/10/2020	18.10	8.80	17.490	100	4/14/2016	NA
MW-93	Nickel	10/19/2020	27.60	8.80	19.102	100	4/14/2016	NA
MW-93	Nickel	4/5/2021	23.10	8.80	18.800	100	4/14/2016	NA
MW-93	Nickel	10/8/2021	21.30	8.80	17.861	100	4/14/2016	NA
MW-93	Nickel	4/6/2022	20.20	8.80	19.215	100	4/14/2016	NA
MW-93	Nickel	10/25/2022	27.90	8.80	19.125	100	4/14/2016	NA
MW-93	Nickel	4/10/2023	31.80	8.80	18.821	100	4/14/2016	NA
MW-93	Nickel	10/13/2023	28.80	8.80	21.364	100	4/14/2016	NA
MW-93	Nickel	4/16/2024	25.50	8.80	25.437	100	4/14/2016	NA
MW-93	Nickel	10/15/2024	27.10	8.80	25.131	100	4/14/2016	NA
MW-93	Nickel	4/14/2025	28.60	8.80	25.698	100	4/14/2016	NA
MW-93	Nickel	10/6/2025	39.40	8.80	22.639	100	4/14/2016	NA

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Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

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-96R	Arsenic	4/5/2021	**29.80**	7.8	---	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	7/2/2021	**29.10**	7.8	---	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	10/8/2021	**18.60**	7.8	---	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	4/6/2022	**10.40**	7.8	11.080	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	10/25/2022	**38.70**	7.8	9.697	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	4/11/2023	<4.0	7.8	0.000	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	7/7/2023	**12.90**	7.8	2.286	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	7/20/2023	<4.0	7.8	0.000	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	10/13/2023	**15.00**	7.8	1.954	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	4/16/2024	<4.0	7.8	0.000	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	10/15/2024	**6.60**	7.8	0.000	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	4/14/2025	<2.0	7.8	0.000	**10**	4/5/2021	NA	10/25/2022
MW-96R	Arsenic	10/6/2025	**6.80**	7.8	1.157	**10**	4/5/2021	NA	10/25/2022

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Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

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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-96R	Barium	4/5/2021	1160.00	516.6799	---	2000	4/5/2021	NA	10/25/2022
MW-96R	Barium	7/2/2021	696.00	503.4302	---	2000	4/5/2021	NA	10/25/2022
MW-96R	Barium	10/8/2021	667.00	503.4302	---	2000	4/5/2021	NA	10/25/2022
MW-96R	Barium	4/6/2022	406.00	491.5435	363.400	2000	4/5/2021	NA	10/25/2022
MW-96R	Barium	10/25/2022	661.00	480.8617	448.466	2000	4/5/2021	NA	10/25/2022
MW-96R	Barium	4/11/2023	190.00	471.0740	211.648	2000	4/5/2021	NA	10/25/2022
MW-96R	Barium	10/13/2023	576.00	462.9491	278.208	2000	4/5/2021	NA	10/25/2022
MW-96R	Barium	4/16/2024	124.00	460.7031	153.884	2000	4/5/2021	NA	10/25/2022
MW-96R	Barium	10/15/2024	338.00	452.8909	133.434	2000	4/5/2021	NA	10/25/2022
MW-96R	Barium	4/14/2025	126.00	445.3916	104.890	2000	4/5/2021	NA	10/25/2022
MW-96R	Barium	10/6/2025	317.00	438.9092	124.726	2000	4/5/2021	NA	10/25/2022

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Permit No.64-SDP-02-75P

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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-96R	Cobalt	4/5/2021	16.80	6.0	---	**6**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	7/2/2021	11.90	6.0	---	**6**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	10/8/2021	11.40	5.7024	---	**5.702**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	4/6/2022	7.60	5.7100	7.485	**5.710**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	10/25/2022	11.10	5.7836	8.193	**5.784**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	4/11/2023	2.20	5.6895	3.041	**5.690**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	7/7/2023	11.20	5.6895	4.363	**5.690**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	7/20/2023	10.00	5.6895	4.886	**5.690**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	10/13/2023	10.60	5.9053	4.838	**5.905**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	4/16/2024	1.80	6.0584	3.192	**6.058**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	10/15/2024	10.50	5.9879	3.177	**5.988**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	4/14/2025	0.90	5.7858	0.000	**5.786**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	10/6/2025	10.70	5.7858	0.000	**5.786**	4/5/2021	NA	10/25/2022

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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-96R	Selenium	4/5/2021	<4	4.0	---	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	10/8/2021	<4	4.0	---	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	4/6/2022	9.10	4.0	---	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	10/25/2022	<4	4.0	0.000	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	4/11/2023	7.80	4.0	0.080	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	7/7/2023	<4	4.0	0.080	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	10/13/2023	<4	4.0	0.939	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	4/16/2024	7.40	4.0	0.992	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	10/15/2024	<4	4.0	1.012	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	4/14/2025	7.20	4.0	1.049	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	10/6/2025	<5	4.0	1.049	50	4/6/2022	NA	10/25/2022

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Annual Water Quality Report
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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-96R	bis (2-ethylhexyl) phthalate	4/5/2021	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	7/2/2021	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	10/8/2021	**6.00**	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	4/6/2022	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	10/25/2022	<6.0	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	4/11/2023	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	10/13/2023	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	4/16/2024	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	10/15/2024	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	4/14/2025	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	10/6/2025	--	6.0	---	6	NA	NA	10/25/2022

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Permit No.64-SDP-02-75P

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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-97	arsenic	4/14/2016	<4.0	25.30	2.000	**25.30**	None	NA	10/22/2018
MW-97	arsenic	10/13/2016	<4.0	25.30	2.000	**25.30**	None	NA	10/22/2018
MW-97	arsenic	4/10/2017	<4.0	25.30	2.000	**25.30**	None	NA	10/22/2018
MW-97	arsenic	10/9/2017	<4.0	25.30	2.000	**25.30**	None	NA	10/22/2018
MW-97	arsenic	4/17/2018	<4.0	25.30	2.000	**25.30**	None	NA	10/22/2018
MW-97	arsenic	10/22/2018	<4.0	25.30	2.000	**25.30**	None	NA	10/22/2018
MW-97	arsenic	4/22/2019	<4.0	25.30	2.000	**25.30**	None	NA	10/22/2018
MW-97	arsenic	10/23/2019	<4.0	25.30	2.000	**25.30**	None	NA	10/22/2018
MW-97	arsenic	4/10/2020	<4.0	25.30	2.000	**25.30**	None	NA	10/22/2018
MW-97	arsenic	10/19/2020	<4.0	7.80	2.000	**10**	None	NA	10/22/2018
MW-97	arsenic	4/5/2021	<4.0	7.80	2.000	**10**	None	NA	10/22/2018
MW-97	arsenic	10/8/2021	<4.0	7.80	2.000	**10**	None	NA	10/22/2018
MW-97	arsenic	4/6/2022	<4.0	7.80	2.000	**10**	None	NA	10/22/2018
MW-97	arsenic	10/25/2022	<4.0	7.80	2.000	**10**	None	NA	10/22/2018
MW-97	arsenic	4/10/2023	<4.0	7.80	2.000	**10**	None	NA	10/22/2018
MW-97	arsenic	10/13/2023	<4.0	7.80	2.000	**10**	None	NA	10/22/2018
MW-97	arsenic	4/16/2024	<4.0	7.80	2.000	**10**	None	NA	10/22/2018
MW-97	arsenic	10/15/2024	<4.0	7.80	2.000	**10**	None	NA	10/22/2018
MW-97	arsenic	4/14/2025	<2.0	7.80	2.000	**10**	None	NA	10/22/2018
MW-97	arsenic	10/6/2025	<2.0	7.80	2.000	**10**	None	NA	10/22/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-97	cobalt	4/14/2016	<0.8	6.00	0.400	**6.00**	None	NA	10/22/2018
MW-97	cobalt	10/13/2016	<0.8	6.00	0.400	**6.00**	None	NA	10/22/2018
MW-97	cobalt	4/10/2017	<0.8	6.00	0.400	**6.00**	None	NA	10/22/2018
MW-97	cobalt	10/9/2017	<0.8	6.00	0.400	**6.00**	None	NA	10/22/2018
MW-97	cobalt	4/17/2018	<0.8	6.00	0.400	**6.00**	None	NA	10/22/2018
MW-97	cobalt	10/22/2018	<0.8	6.00	0.400	**6.00**	None	NA	10/22/2018
MW-97	cobalt	4/22/2019	<0.8	6.00	0.400	**6.00**	None	NA	10/22/2018
MW-97	cobalt	10/23/2019	<0.8	6.00	0.400	**6.00**	None	NA	10/22/2018
MW-97	cobalt	4/10/2020	<0.4	6.00	0.400	**6.00**	None	NA	10/22/2018
MW-97	cobalt	10/19/2020	<0.4	6.00	0.400	**6.00**	None	NA	10/22/2018
MW-97	cobalt	4/5/2021	<0.4	6.00	0.400	**6.00**	None	NA	10/22/2018
MW-97	cobalt	10/8/2021	<0.4	5.7024	0.400	**5.7024**	None	NA	10/22/2018
MW-97	cobalt	4/6/2022	<0.4	5.7100	0.400	**5.7100**	None	NA	10/22/2018
MW-97	cobalt	10/25/2022	<0.4	5.7836	0.400	**5.7836**	None	NA	10/22/2018
MW-97	cobalt	4/10/2023	<0.4	5.6895	0.400	**5.6895**	None	NA	10/22/2018
MW-97	cobalt	10/13/2023	<0.4	5.9053	0.400	**5.9053**	None	NA	10/22/2018
MW-97	cobalt	4/16/2024	<0.4	6.0584	0.400	**6.0584**	None	NA	10/22/2018
MW-97	cobalt	10/15/2024	<0.4	5.9879	0.400	**5.9879**	None	NA	10/22/2018
MW-97	cobalt	4/14/2025	<0.5	5.7858	0.400	**5.7858**	None	NA	10/22/2018
MW-97	cobalt	10/6/2025	<0.5	5.7858	0.400	**5.7858**	None	NA	10/22/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY: | SSI | SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-97	cis-1,2-dichloroethene	4/14/2016	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	10/13/2016	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	4/10/2017	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	10/9/2017	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	4/17/2018	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	10/22/2018	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	4/22/2019	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	10/23/2019	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	4/10/2020	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	10/19/2020	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	4/5/2021	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	10/8/2021	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	4/6/2022	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	10/25/2022	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	4/10/2023	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	10/13/2023	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	4/16/2024	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	10/15/2024	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	4/14/2025	<1.0	1.00	0.500	70	None	NA	10/22/2018
MW-97	cis-1,2-dichloroethene	10/6/2025	<1.0	1.00	0.500	70	None	NA	10/22/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-97	Vinyl Chloride	4/14/2016	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	10/13/2016	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	4/10/2017	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	10/9/2017	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	4/17/2018	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	10/22/2018	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	4/22/2019	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	10/23/2019	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	4/10/2020	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	10/19/2020	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	4/5/2021	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	10/8/2021	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	4/6/2022	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	10/25/2022	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	4/10/2023	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	10/13/2023	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	4/16/2024	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	10/15/2024	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	4/14/2025	<1.0	1.00	0.500	2	None	NA	10/22/2018
MW-97	Vinyl Chloride	10/6/2025	<1.0	1.00	0.500	2	None	NA	10/22/2018

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

Table 7A – Summary of Ongoing and Newly Identified SSI - INTRAWELL

Table 7A
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	INTRAWELL Control Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-93	Aresenic	4/14/2016	16.10	24.0801	1.768	**24.0801**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	10/13/2016	6.50	24.0801	2.374	**24.0801**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	4/10/2017	5.50	24.0801	2.193	**24.0801**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	10/9/2017	<4.0	24.0801	0.428	**24.0801**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	4/17/2018	5.40	24.0801	2.540	**24.0801**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	10/22/2018	18.40	24.0801	0.000	**24.0801**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	4/22/2019	67.30	24.0801	0.000	**24.0801**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	10/23/2019	13.60	24.0801	0.000	**24.0801**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	4/10/2020	17.50	24.0801	0.000	**24.0801**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	10/19/2020	4.80	24.0801	0.000	**24.0801**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	4/5/2021	10.50	81.6313	5.292	**81.6313**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	10/8/2021	11.40	81.6313	4.934	**81.6313**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	4/6/2022	11.10	81.6313	5.777	**81.6313**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	10/25/2022	58.50	81.6313	0.000	**81.6313**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	4/10/2023	9.30	81.6313	0.000	**81.6313**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	10/13/2023	59.60	81.6313	1.434	**81.6313**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	4/16/2024	11.90	81.6313	1.893	**81.6313**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	10/15/2024	15.20	81.6313	0.000	**81.6313**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	4/14/2025	10.40	81.6313	0.000	**81.6313**	4/22/2019	NA	10/22/2018
MW-93	Aresenic	10/6/2025	19.80	81.6313	9.426	**81.6313**	4/22/2019	NA	10/22/2018

Table 7A
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	INTRAWELL Control Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-93	Cobalt	4/14/2016	14.70	21.6670	5.750	**21.6670**	NA	NA	10/22/2018
MW-93	Cobalt	10/13/2016	6.60	21.6670	5.361	**21.6670**	NA	NA	10/22/2018
MW-93	Cobalt	4/10/2017	8.60	21.6670	5.046	**21.6670**	NA	NA	10/22/2018
MW-93	Cobalt	10/9/2017	5.20	21.6670	3.847	**21.6670**	NA	NA	10/22/2018
MW-93	Cobalt	4/17/2018	5.90	21.6670	4.851	**21.6670**	NA	NA	10/22/2018
MW-93	Cobalt	10/22/2018	9.90	21.6670	4.789	**21.6670**	NA	NA	10/22/2018
MW-93	Cobalt	4/22/2019	18.90	21.6670	2.564	**21.6670**	NA	NA	10/22/2018
MW-93	Cobalt	10/23/2019	8.30	21.6670	4.073	**21.6670**	NA	NA	10/22/2018
MW-93	Cobalt	4/10/2020	11.30	21.6670	6.576	**21.6670**	NA	NA	10/22/2018
MW-93	Cobalt	10/19/2020	4.60	21.6670	3.635	**21.6670**	NA	NA	10/22/2018
MW-93	Cobalt	4/5/2021	7.90	25.1103	4.800	**25.1103**	NA	NA	10/22/2018
MW-93	Cobalt	10/8/2021	7.10	25.1103	4.470	**25.1103**	NA	NA	10/22/2018
MW-93	Cobalt	4/6/2022	8.70	25.1103	4.988	**25.1103**	NA	NA	10/22/2018
MW-93	Cobalt	10/25/2022	8.60	25.1103	7.203	**25.1103**	NA	NA	10/22/2018
MW-93	Cobalt	4/10/2023	9.00	25.1103	7.350	**25.1103**	NA	NA	10/22/2018
MW-93	Cobalt	10/13/2023	8.30	25.1103	8.310	**25.1103**	NA	NA	10/22/2018
MW-93	Cobalt	4/16/2024	9.80	25.1103	8.160	**25.1103**	NA	NA	10/22/2018
MW-93	Cobalt	10/15/2024	9.90	25.1103	8.367	**25.1103**	NA	NA	10/22/2018
MW-93	Cobalt	4/14/2025	11.50	25.1103	8.337	**25.1103**	NA	NA	10/22/2018
MW-93	Cobalt	10/6/2025	12.20	25.1103	9.450	**25.1103**	NA	NA	10/22/2018

Table 7A
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	INTRAWELL Control Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-93	Nickel	4/14/2016	26.50	57.7012	27.148	**100**	NA	NA	10/22/2018
MW-93	Nickel	10/13/2016	31.80	57.7012	26.223	**100**	NA	NA	10/22/2018
MW-93	Nickel	4/10/2017	27.30	57.7012	25.222	**100**	NA	NA	10/22/2018
MW-93	Nickel	10/9/2017	28.20	57.7012	25.699	**100**	NA	NA	10/22/2018
MW-93	Nickel	4/17/2018	26.20	57.7012	25.522	**100**	NA	NA	10/22/2018
MW-93	Nickel	10/22/2018	35.70	57.7012	24.278	**100**	NA	NA	10/22/2018
MW-93	Nickel	4/22/2019	24.20	57.7012	22.667	**100**	NA	NA	10/22/2018
MW-93	Nickel	10/23/2019	26.30	57.7012	22.033	**100**	NA	NA	10/22/2018
MW-93	Nickel	4/10/2020	18.10	57.7012	17.490	**100**	NA	NA	10/22/2018
MW-93	Nickel	10/19/2020	27.60	57.7012	19.102	**100**	NA	NA	10/22/2018
MW-93	Nickel	4/5/2021	23.10	54.9667	18.800	**100**	NA	NA	10/22/2018
MW-93	Nickel	10/8/2021	21.30	54.9667	17.861	**100**	NA	NA	10/22/2018
MW-93	Nickel	4/6/2022	20.20	54.9667	19.215	**100**	NA	NA	10/22/2018
MW-93	Nickel	10/25/2022	27.90	54.9667	19.125	**100**	NA	NA	10/22/2018
MW-93	Nickel	4/10/2023	31.80	54.9667	18.821	**100**	NA	NA	10/22/2018
MW-93	Nickel	10/13/2023	28.80	54.9667	21.364	**100**	NA	NA	10/22/2018
MW-93	Nickel	4/16/2024	25.50	54.9667	25.437	**100**	NA	NA	10/22/2018
MW-93	Nickel	10/15/2024	27.10	54.9667	25.131	**100**	NA	NA	10/22/2018
MW-93	Nickel	4/14/2025	28.60	54.9667	25.698	**100**	NA	NA	10/22/2018
MW-93	Nickel	10/6/2025	39.40	54.9667	22.639	**100**	NA	NA	10/22/2018

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

Table 7A
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	INTRAWELL Control Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-96R	Arsenic	4/5/2021	29.80	76.5042	---	**76.5042**	NA	NA	10/25/2022
MW-96R	Arsenic	7/2/2021	29.10	76.5042	---	**76.5042**	NA	NA	10/25/2022
MW-96R	Arsenic	10/8/2021	18.60	76.5042	---	**76.5042**	NA	NA	10/25/2022
MW-96R	Arsenic	4/6/2022	10.40	76.5042	11.080	**76.5042**	NA	NA	10/25/2022
MW-96R	Arsenic	10/25/2022	38.70	76.5042	9.697	**76.5042**	NA	NA	10/25/2022
MW-96R	Arsenic	4/11/2023	<4.0	76.5042	0.000	**76.5042**	NA	NA	10/25/2022
MW-96R	Arsenic	7/7/2023	12.90	76.5042	2.286	**76.5042**	NA	NA	10/25/2022
MW-96R	Arsenic	7/20/2023	<4.0	76.5042	0.000	**76.5042**	NA	NA	10/25/2022
MW-96R	Arsenic	10/13/2023	15.00	76.5042	1.954	**76.5042**	NA	NA	10/25/2022
MW-96R	Arsenic	4/16/2024	<4.0	76.5042	1.954	**76.5042**	NA	NA	10/25/2022
MW-96R	Arsenic	10/15/2024	6.60	71.8419	1.092	**71.8419**	NA	NA	10/25/2022
MW-96R	Arsenic	4/14/2025	<2.0	69.8425	0.000	**69.8425**	NA	NA	10/25/2022
MW-96R	Arsenic	10/6/2025	6.80	69.8425	1.157	**69.8425**	NA	NA	10/25/2022

Table 7A
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	INTRAWELL Control Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-96R	Barium	4/5/2021	1160.00	2096.9752	---	**2096.9752**	NA	NA	10/25/2022
MW-96R	Barium	7/2/2021	696.00	2096.9752	---	**2096.9752**	NA	NA	10/25/2022
MW-96R	Barium	10/8/2021	667.00	2096.9752	---	**2096.9752**	NA	NA	10/25/2022
MW-96R	Barium	4/6/2022	406.00	2096.9752	363.400	**2096.9752**	NA	NA	10/25/2022
MW-96R	Barium	10/25/2022	661.00	2096.9752	448.466	**2096.9752**	NA	NA	10/25/2022
MW-96R	Barium	4/11/2023	190.00	2096.9752	211.648	**2096.9752**	NA	NA	10/25/2022
MW-96R	Barium	10/13/2023	576.00	2096.9752	278.208	**2096.9752**	NA	NA	10/25/2022
MW-96R	Barium	4/16/2024	124.00	2096.9752	153.884	**2096.9752**	NA	NA	10/25/2022
MW-96R	Barium	10/15/2024	338.00	2034.0634	133.434	**2034.0634**	NA	NA	10/25/2022
MW-96R	Barium	4/14/2025	126.00	1953.8348	104.890	**2000**	NA	NA	10/25/2022
MW-96R	Barium	10/6/2025	317.00	1953.8348	124.726	**2000**	NA	NA	10/25/2022

Table 7A
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	INTRAWELL Control Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-96R	Cobalt	4/5/2021	16.80	23.8796	---	**23.8796**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	7/2/2021	11.90	23.8796	---	**23.8796**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	10/8/2021	11.40	23.8796	---	**23.8796**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	4/6/2022	7.60	23.8796	7.485	**23.8796**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	10/25/2022	11.10	23.8796	8.193	**23.8796**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	4/11/2023	2.20	23.8796	3.041	**23.8796**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	7/7/2023	11.20	23.8796	4.363	**23.8796**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	7/20/2023	10.00	23.8796	4.886	**23.8796**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	10/13/2023	10.60	23.8796	4.838	**23.8796**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	4/16/2024	1.80	23.8796	4.566	**23.8796**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	10/15/2024	10.50	22.9275	4.509	**22.9275**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	4/14/2025	0.90	22.1568	0.000	**22.1568**	4/5/2021	NA	10/25/2022
MW-96R	Cobalt	10/6/2025	10.70	22.1568	0.000	**22.1568**	4/5/2021	NA	10/25/2022

Table 7A
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	INTRAWELL Control Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-96R	Selenium	4/5/2021	<4	15.9884	---	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	10/8/2021	<4	15.9884	---	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	4/6/2022	9.10	15.9884	---	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	10/25/2022	<4	15.9884	0.000	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	4/11/2023	7.80	15.9884	0.080	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	7/7/2023	<4	15.9884	0.080	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	10/13/2023	<4	15.9884	0.939	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	4/16/2024	7.40	15.9884	1.996	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	10/15/2024	<4	15.3227	1.012	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	4/14/2025	7.20	14.8059	1.049	50	4/6/2022	NA	10/25/2022
MW-96R	Selenium	10/6/2025	<5	14.8059	1.049	50	4/6/2022	NA	10/25/2022

Table 7A
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No.64-SDP-02-75P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	INTRAWELL Control Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-96R	bis (2-ethylhexyl) phthalate	4/5/2021	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	7/2/2021	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	10/8/2021	6.00	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	4/6/2022	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	10/25/2022	<6.0	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	4/11/2023	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	10/13/2023	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	4/16/2024	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	10/15/2024	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	4/14/2025	--	6.0	---	6	NA	NA	10/25/2022
MW-96R	bis (2-ethylhexyl) phthalate	10/6/2025	--	6.0	---	6	NA	NA	10/25/2022

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

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

Table 9 – Analytical Data Summary

Table 9

Analytical Data Summary for MW-49

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	1/9/2018	4/17/2018	10/22/2018	4/22/2019	10/23/2019
(3 4)-methylphenol	ug/L										<8		
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	1.5	1.1	1.3	1.9	1.7	2.1		1.4	1.2	3.4	2.6
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,1-dichloropropene	ug/L										<1		
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L										<8		
1,2,4-trichlorobenzene	ug/L										<1		
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dinitrobenzene	ug/L										<8		
1,3,5-trinitrobenzene	ug/L										<8		
1,3-dichlorobenzene	ug/L										<1		
1,3-dichloropropane	ug/L										<1		
1,3-dinitrobenzene	ug/L										<8		
1,4-dichlorobenzene	ug/L	8.7	8.7	8.6	8.9	9.2	7.8	5.8		1.8	2.5	11.4	7.4
1,4-naphthoquinone	ug/L										<8		
1,4-phenylenediamine	ug/L										<8		
1-naphthylamine	ug/L										<8		
2,2-dichloropropane	ug/L										<1		
2,3,4,6-tetrachlorophenol	ug/L										<8		
2,4,5-t	ug/L										<.5		
2,4,5-tp (silvex)	ug/L										<.5		
2,4,5-trichlorophenol	ug/L										<8		
2,4,6-trichlorophenol	ug/L										<8		
2,4-d	ug/L										<2		
2,4-dichlorophenol	ug/L										<8		
2,4-dimethylphenol	ug/L										<8		
2,4-dinitrophenol	ug/L										<8		
2,4-dinitrotoluene	ug/L										<8		
2,6-dichlorophenol	ug/L										<8		
2,6-dinitrotoluene	ug/L										<8		
2-acetylaminofluorene	ug/L										<8		
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
2-chloronaphthalene	ug/L										<8		
2-chlorophenol	ug/L										<8		
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
2-methylnaphthalene	ug/L										<8		
2-methylphenol	ug/L										<8		
2-naphthylamine	ug/L										<8		
2-nitroaniline	ug/L										<8		
2-nitrophenol	ug/L										<8		
3,3´-dichlorobenzidine	ug/L										<8		
3,3'-dimethylbenzidine	ug/L										<8		
3-methylcholanthrene	ug/L										<8		
3-nitroaniline	ug/L										<8		
4,4´-ddd	ug/L										<.05		
4,4´-dde	ug/L										<.05		

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

Table 9

Analytical Data Summary for MW-49

Constituents	4/10/2020	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
(3 4)-methylphenol												
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	2.6	2.5	1.4	1.9	1.0	1.7	1.4	1.6	1.1	1.2	1.5	1.2
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene												
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene												
1,2,4-trichlorobenzene												
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene												
1,3,5-trinitrobenzene												
1,3-dichlorobenzene												
1,3-dichloropropane												
1,3-dinitrobenzene												
1,4-dichlorobenzene	<1.0	6.6	6.4	6.0	3.6	6.3	7.4	6.1	3.3	7.9	5.6	6.5
1,4-naphthoquinone												
1,4-phenylenediamine												
1-naphthylamine												
2,2-dichloropropane												
2,3,4,6-tetrachlorophenol												
2,4,5-t												
2,4,5-tp (silvex)												
2,4,5-trichlorophenol												
2,4,6-trichlorophenol												
2,4-d												
2,4-dichlorophenol												
2,4-dimethylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dichlorophenol												
2,6-dinitrotoluene												
2-acetylaminofluorene												
2-butanone (mek)	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10
2-chloronaphthalene												
2-chlorophenol												
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene												
2-methylphenol												
2-naphthylamine												
2-nitroaniline												
2-nitrophenol												
3,3´-dichlorobenzidine												
3,3'-dimethylbenzidine												
3-methylcholanthrene												
3-nitroaniline												
4,4´-ddd												
4,4´-dde												

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

Table 9

Analytical Data Summary for MW-49

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	1/9/2018	4/17/2018	10/22/2018	4/22/2019	10/23/2019
4,4´-ddt	ug/L										<.05		
4,6-dinitro-2-methylphenol	ug/L										<8		
4-aminobiphenyl	ug/L										<8		
4-bromophenyl phenyl ether	ug/L										<8		
4-chloro-3-methylphenol	ug/L										<8		
4-chloroaniline	ug/L										<8		
4-chlorophenyl phenyl ether	ug/L										<8		
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
4-nitroaniline	ug/L										<8		
4-nitrophenol	ug/L										<8		
5-nitro-o-toluidine	ug/L										<8		
7,12-dimethylbenz(a)anthracene	ug/L										<8		
Acenaphthene	ug/L										<8		
Acenaphthylene	ug/L										<8		
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	20.0		76.0	36.8	<10.0	<10.0
Acetonitrile	ug/L										<10		
Acetophenone	ug/L										<8		
Acrolein	ug/L										<10		
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
Aldrin	ug/L										<.05		
Alkalinity, as caco3	mg/L	1080	1130	994		1100							
Allyl chloride	ug/L										<1		
Alpha-bhc	ug/L										<.05		
Anthracene	ug/L										<8		
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2
Arochlor 1016	ug/L										<.1		
Arochlor 1221	ug/L										<.2		
Arochlor 1232	ug/L										<.2		
Arochlor 1242	ug/L										<.2		
Arochlor 1248	ug/L										<.2		
Arochlor 1254	ug/L										<.1		
Arochlor 1260	ug/L										<.1		
Arsenic, total	ug/L	42.7	82.1	41.6	125.0	118.0	134.0	10.4		99.1	294.0	167.0	137.0
Azobenzene	ug/L										<8		
Barium, total	ug/L	544	544	571	516	747	457	695	623	304	283	409	380
Benzene	ug/L	2.9	2.3	1.9	2.6	3.5	3.0	1.2		1.9	2.5	4.3	3.5
Benzo(a)anthracene	ug/L										<8		
Benzo(a)pyrene	ug/L										<8		
Benzo(b)fluoranthene	ug/L										<8		
Benzo(g,h,i)perylene	ug/L										<8		
Benzo(k)fluoranthene	ug/L										<8		
Benzyl alcohol	ug/L										<8		
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L										<.05		
Bis (2-chloroethoxy) methane	ug/L										<8		
Bis(2-chloroethyl) ether	ug/L										<8		
Bis(2-chloroisopropyl) ether	ug/L										<8		
Bis(2-ethylhexyl) phthalate	ug/L	<10	65	<10	<10	<10	<10				<6		
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Butyl benzyl phthalate	ug/L										<8		
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8		<.8	<.8	<.8	<.8

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

Table 9

Analytical Data Summary for MW-49

Constituents	4/10/2020	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
4,4´-ddt												
4,6-dinitro-2-methylphenol												
4-aminobiphenyl												
4-bromophenyl phenyl ether												
4-chloro-3-methylphenol												
4-chloroaniline												
4-chlorophenyl phenyl ether												
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline												
4-nitrophenol												
5-nitro-o-toluidine												
7,12-dimethylbenz(a)anthracene												
Acenaphthene												
Acenaphthylene												
Acetone	<10.0	<10.0	<10.0	<10.0	24.1	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile												
Acetophenone												
Acrolein												
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin												
Alkalinity, as caco3		1010	960		844		816		652	1170	808	
Allyl chloride												
Alpha-bhc												
Anthracene												
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016												
Arochlor 1221												
Arochlor 1232												
Arochlor 1242												
Arochlor 1248												
Arochlor 1254												
Arochlor 1260												
Arsenic, total	206.0	76.4	132.0	26.0	41.5	135.0	278.0	44.5	53.7	520.0	294.0	443.0
Azobenzene												
Barium, total	390	479	562	526	237	473	275	499	429	213	315	226
Benzene	3.7	2.0	2.8	1.9	2.4	2.4	2.9	1.1	<1.0	3.7	2.7	4.3
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzo(k)fluoranthene												
Benzyl alcohol												
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc												
Bis (2-chloroethoxy) methane												
Bis(2-chloroethyl) ether												
Bis(2-chloroisopropyl) ether												
Bis(2-ethylhexyl) phthalate												
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate												
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	.9	<.8	<.2	.4

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

Table 9

Analytical Data Summary for MW-49

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	1/9/2018	4/17/2018	10/22/2018	4/22/2019	10/23/2019
Calcium, total	mg/L	234	264	233		265							
Carbon disulfide	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Chlordane	ug/L										<.1		
Chloride	mg/L	14	29	27		37							
Chlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	1.1	<1.0
Chlorobenzilate	ug/L										<8		
Chloroethane	ug/L	12.9	8.9	8.7	9.0	11.9	10.1	8.7		5.5	11.0	8.2	10.2
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Chloroprene	ug/L										<1		
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0		<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L										<8		
Cis-1,2-dichloroethylene	ug/L	23.1	13.6	11.2	13.8	13.8	10.3	16.9		2.7	<1.0	2.6	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Cobalt, total	ug/L	45.5	59.9	30.1	79.5	42.2	68.4	6.5		130.0	95.5	62.6	108.0
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L										<.005		
Delta-bhc	ug/L										<.05		
Diallate	ug/L										<8		
Dibenzo(a,h)anthracene	ug/L										<8		
Dibenzofuran	ug/L										<8		
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Dichlorodifluoromethane	ug/L										<1		
Dieldrin	ug/L										<.05		
Diethyl phthalate	ug/L										<8		
Dimethoate	ug/L										<.4		
Dimethylphthalate	ug/L										<8		
Di-n-butyl phthalate	ug/L										<8		
Di-n-octyl phthalate	ug/L										<8		
Dinoseb	ug/L										<.5		
Diphenylamine	ug/L										<8		
Disulfoton	ug/L										<.4		
Endosulfan i	ug/L										<.05		
Endosulfan ii	ug/L										<.05		
Endosulfan sulfate	ug/L										<.05		
Endrin	ug/L										<.05		
Endrin aldehyde	ug/L										<.05		
Ethane	ug/L												
Ethene	ug/L												
Ethyl methacrylate	ug/L										<10		
Ethyl methanesulfonate	ug/L										<8		
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Famphur	ug/L										<.4		
Fluoranthene	ug/L										<8		
Fluorene	ug/L										<8		
Gamma-bhc (lindane)	ug/L										<.05		
Heptachlor	ug/L										<.05		
Heptachlor epoxide	ug/L										<.05		
Hexachlorobenzene	ug/L										<.05		
Hexachlorobutadiene	ug/L										<8		
Hexachlorocyclopentadiene	ug/L										<8		
Hexachloroethane	ug/L										<8		

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

Table 9

Analytical Data Summary for MW-49

Constituents	4/10/2020	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Calcium, total												
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane												
Chloride												
Chlorobenzene	1.1	1.0	1.0	1.0	<1.0	1.1	<1.0	1.0	<1.0	1.1	<1.0	1.3
Chlorobenzilate												
Chloroethane	9.4	9.8	6.8	7.3	5.6	7.4	6.6	6.6	4.6	5.5	5.0	6.1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene												
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.2	1.6
Chrysene												
Cis-1,2-dichloroethylene	1.1	6.2	<1.0	2.0	<1.0	1.6	<1.0	2.1	2.4	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	75.1	30.1	115.0	17.3	63.3	30.0	65.5	16.2	5.8	66.9	51.6	77.8
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	7.5	<4.0	<5.0	<5.0
Cyanide, total												
Delta-bhc												
Diallate												
Dibenzo(a,h)anthracene												
Dibenzofuran												
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane												
Dieldrin												
Diethyl phthalate												
Dimethoate												
Dimethylphthalate												
Di-n-butyl phthalate												
Di-n-octyl phthalate												
Dinoseb												
Diphenylamine												
Disulfoton												
Endosulfan i												
Endosulfan ii												
Endosulfan sulfate												
Endrin												
Endrin aldehyde												
Ethane		<10	<13							<5	<5	
Ethene		<10	<13							<5	<5	
Ethyl methacrylate												
Ethyl methanesulfonate												
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur												
Fluoranthene												
Fluorene												
Gamma-bhc (lindane)												
Heptachlor												
Heptachlor epoxide												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												

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

Table 9

Analytical Data Summary for MW-49

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	1/9/2018	4/17/2018	10/22/2018	4/22/2019	10/23/2019
Hexachloropropene	ug/L										<8		
Indeno(1,2,3-cd)pyrene	ug/L										<8		
Isobutanol	mg/L										<1		
Isodrin	ug/L										<8		
Isophorone	ug/L										<8		
Isosafrole	ug/L										<8		
Kepone	ug/L										<8		
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4
Magnesium, total	mg/L	104	112	106		115							
Mercury, total	ug/L										<.5		
Methacrylonitrile	ug/L										<1		
Methane	ug/L												
Methapyrilene	ug/L										<8		
Methoxychlor	ug/L										<.05		
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Methyl methacrylate	ug/L										<1		
Methyl methanesulfonate	ug/L										<8		
Methyl parathion	ug/L										<.4		
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
Naphthalene	ug/L										<8		
Nickel, total	ug/L	18.8	24.0	11.3	31.8	15.4	27.5	5.1		41.1	40.0	28.1	44.7
Nitrobenzene	ug/L										<8		
Nitrogen, ammonia	mg/L	<1	<1	<1		<1							
N-nitrosodiethylamine	ug/L										<8		
N-nitrosodimethylamine	ug/L										<8		
N-nitrosodi-n-butylamine	ug/L										<8		
N-nitroso-di-n-propylamine	ug/L										<8		
N-nitrosodiphenylamine	ug/L										<8		
N-nitrosomethylethylamine	ug/L										<8		
N-nitrosopiperidine	ug/L										<8		
N-nitrosopyrrolidine	ug/L										<8		
O,o,o-triethyl phosphorothioate	ug/L										<.4		
O-toluidine	ug/L										<8		
Parathion	ug/L										<.4		
P-dimethylaminoazobenzene	ug/L										<8		
Pentachlorobenzene	ug/L										<8		
Pentachloronitrobenzene (pcnb)	ug/L										<8		
Pentachlorophenol	ug/L										<8		
pH	pH												
Phenacetin	ug/L										<8		
Phenanthrene	ug/L										<8		
Phenol	ug/L										<8		
Phorate	ug/L										<.4		
Potassium, total	mg/L	<1	<1	1		1							
Pronamide	ug/L										<8		
Propionitrile	ug/L										<10		
Pyrene	ug/L										<8		
Safrole	ug/L										<8		
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4
Sodium, total	mg/L	11.8	11.9	11.0		11.7							
Solids, total dissolved	mg/L	995	984	1010		1290							
Solids, total suspended	mg/L	46	40										
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-49

Constituents	4/10/2020	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Hexachloropropene												
Indeno(1,2,3-cd)pyrene												
Isobutanol												
Isodrin												
Isophorone												
Isosafrole												
Kepone												
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<1	<1
Magnesium, total												
Mercury, total												
Methacrylonitrile												
Methane		737	9660							4770	1520	
Methapyrilene												
Methoxychlor												
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate												
Methyl methanesulfonate												
Methyl parathion												
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene												
Nickel, total	35.2	13.1	53.5	10.7	28.1	13.9	27.5	10.0	16.2	33.9	22.1	38.8
Nitrobenzene												
Nitrogen, ammonia												
N-nitrosodiethylamine												
N-nitrosodimethylamine												
N-nitrosodi-n-butylamine												
N-nitroso-di-n-propylamine												
N-nitrosodiphenylamine												
N-nitrosomethylethylamine												
N-nitrosopiperidine												
N-nitrosopyrrolidine												
O,o,o-triethyl phosphorothioate												
O-toluidine												
Parathion												
P-dimethylaminoazobenzene												
Pentachlorobenzene												
Pentachloronitrobenzene (pcnb)												
Pentachlorophenol												
pH		6.4	6.7		6.5		6.5		6.5	6.3	6.5	
Phenacetin												
Phenanthrene												
Phenol												
Phorate												
Potassium, total												
Pronamide												
Propionitrile												
Pyrene												
Safrole												
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5	<5
Sodium, total												
Solids, total dissolved												
Solids, total suspended												
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-49

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	1/9/2018	4/17/2018	10/22/2018	4/22/2019	10/23/2019
Sulfate	mg/L	8.4	3.0	6.3		5.2							
Sulfide, total	mg/L										<.1		
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<2.0	<2.0
Thionazin	ug/L										<.4		
Tin, total	ug/L										<20		
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Toxaphene	ug/L										<.2		
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20		<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
Vinyl chloride	ug/L	4.6	3.1	3.1	4.0	5.1	5.5	3.2		1.1	2.6	2.8	1.4
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0		<8.0	<8.0	<20.0	39.6

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

Table 9

Analytical Data Summary for MW-49

Constituents	4/10/2020	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Sulfate												
Sulfide, total												
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin												
Tin, total												
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene												
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	1.1	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	22.7	<20.0	12.6	47.7

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

Table 9

Analytical Data Summary for MW-54

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
(3 4)-methylphenol	ug/L									<8			
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	17.5	13.4	12.2	11.0	13.0	10.4	11.2	7.8	3.8	4.7	2.9	<1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L									<1			
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L									<8			
1,2,4-trichlorobenzene	ug/L									<1			
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L									<8			
1,3,5-trinitrobenzene	ug/L									<8			
1,3-dichlorobenzene	ug/L									<1			
1,3-dichloropropane	ug/L									<1			
1,3-dinitrobenzene	ug/L									<8			
1,4-dichlorobenzene	ug/L	2.3	2.1	2.3	2.1	2.3	2.7	3.5	4.3	<1.0	2.5	3.5	<1.0
1,4-naphthoquinone	ug/L									<8			
1,4-phenylenediamine	ug/L									<8			
1-naphthylamine	ug/L									<8			
2,2-dichloropropane	ug/L									<1			
2,3,4,6-tetrachlorophenol	ug/L									<8			
2,4,5-t	ug/L									<.5			
2,4,5-tp (silvex)	ug/L									<.5			
2,4,5-trichlorophenol	ug/L									<8			
2,4,6-trichlorophenol	ug/L									<8			
2,4-d	ug/L									<2			
2,4-dichlorophenol	ug/L									<8			
2,4-dimethylphenol	ug/L									<8			
2,4-dinitrophenol	ug/L									<8			
2,4-dinitrotoluene	ug/L									<8			
2,6-dichlorophenol	ug/L									<8			
2,6-dinitrotoluene	ug/L									<8			
2-acetylaminofluorene	ug/L									<8			
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L									<8			
2-chlorophenol	ug/L									<8			
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L									<8			
2-methylphenol	ug/L									<8			
2-naphthylamine	ug/L									<8			
2-nitroaniline	ug/L									<8			
2-nitrophenol	ug/L									<8			
3,3´-dichlorobenzidine	ug/L									<8			
3,3'-dimethylbenzidine	ug/L									<8			
3-methylcholanthrene	ug/L									<8			
3-nitroaniline	ug/L									<8			
4,4´-ddd	ug/L									<.05			
4,4´-dde	ug/L									<.05			

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

Table 9

Analytical Data Summary for MW-54

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
(3 4)-methylphenol											
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	1.9	<1.0	1.2	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene											
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene											
1,2,4-trichlorobenzene											
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene											
1,3,5-trinitrobenzene											
1,3-dichlorobenzene											
1,3-dichloropropane											
1,3-dinitrobenzene											
1,4-dichlorobenzene	3.8	2.9	2.8	2.4	3.1	1.6	4.1	2.3	2.9	2.6	1.7
1,4-naphthoquinone											
1,4-phenylenediamine											
1-naphthylamine											
2,2-dichloropropane											
2,3,4,6-tetrachlorophenol											
2,4,5-t											
2,4,5-tp (silvex)											
2,4,5-trichlorophenol											
2,4,6-trichlorophenol											
2,4-d											
2,4-dichlorophenol											
2,4-dimethylphenol											
2,4-dinitrophenol											
2,4-dinitrotoluene											
2,6-dichlorophenol											
2,6-dinitrotoluene											
2-acetylaminofluorene											
2-butanone (mek)	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10
2-chloronaphthalene											
2-chlorophenol											
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene											
2-methylphenol											
2-naphthylamine											
2-nitroaniline											
2-nitrophenol											
3,3´-dichlorobenzidine											
3,3'-dimethylbenzidine											
3-methylcholanthrene											
3-nitroaniline											
4,4´-ddd											
4,4´-dde											

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

Table 9

Analytical Data Summary for MW-54

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
4,4´-ddt	ug/L									<.05			
4,6-dinitro-2-methylphenol	ug/L									<8			
4-aminobiphenyl	ug/L									<8			
4-bromophenyl phenyl ether	ug/L									<8			
4-chloro-3-methylphenol	ug/L									<8			
4-chloroaniline	ug/L									<8			
4-chlorophenyl phenyl ether	ug/L									<8			
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L									<8			
4-nitrophenol	ug/L									<8			
5-nitro-o-toluidine	ug/L									<8			
7,12-dimethylbenz(a)anthracene	ug/L									<8			
Acenaphthene	ug/L									<8			
Acenaphthylene	ug/L									<8			
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	18.1	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile	ug/L									<10			
Acetophenone	ug/L									<8			
Acrolein	ug/L									<10			
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L									<.05			
Alkalinity, as caco3	mg/L	911	913	704		700							
Allyl chloride	ug/L									<1			
Alpha-bhc	ug/L									<.05			
Anthracene	ug/L									<8			
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L									<.1			
Arochlor 1221	ug/L									<.2			
Arochlor 1232	ug/L									<.2			
Arochlor 1242	ug/L									<.2			
Arochlor 1248	ug/L									<.2			
Arochlor 1254	ug/L									<.1			
Arochlor 1260	ug/L									<.1			
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	5.9	<4.0	4.2	<4.0	<4.0	6.0	11.3	46.4
Azobenzene	ug/L									<8			
Barium, total	ug/L	444	578	445	493	537	454	487	466	373	439	354	528
Benzene	ug/L	1	<1	<1	<1	1	<1	1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L									<8			
Benzo(a)pyrene	ug/L									<8			
Benzo(b)fluoranthene	ug/L									<8			
Benzo(g,h,i)perylene	ug/L									<8			
Benzo(k)fluoranthene	ug/L									<8			
Benzyl alcohol	ug/L									<8			
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L									<.05			
Bis (2-chloroethoxy) methane	ug/L									<8			
Bis(2-chloroethyl) ether	ug/L									<8			
Bis(2-chloroisopropyl) ether	ug/L									<8			
Bis(2-ethylhexyl) phthalate	ug/L	<17	<10	<10	<15	<10	<10			<6			
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L									<8			
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8

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Table 9

Analytical Data Summary for MW-54

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
4,4´-ddt											
4,6-dinitro-2-methylphenol											
4-aminobiphenyl											
4-bromophenyl phenyl ether											
4-chloro-3-methylphenol											
4-chloroaniline											
4-chlorophenyl phenyl ether											
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline											
4-nitrophenol											
5-nitro-o-toluidine											
7,12-dimethylbenz(a)anthracene											
Acenaphthene											
Acenaphthylene											
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile											
Acetophenone											
Acrolein											
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin											
Alkalinity, as caco3	624	581		670		585		512	612	564	
Allyl chloride											
Alpha-bhc											
Anthracene											
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016											
Arochlor 1221											
Arochlor 1232											
Arochlor 1242											
Arochlor 1248											
Arochlor 1254											
Arochlor 1260											
Arsenic, total	7.6	4.9	8.7	6.7	5.0	<4.0	22.3	4.8	5.4	6.3	4.8
Azobenzene											
Barium, total	424	441	408	397	438	373	460	449	481	444	506
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene											
Benzo(a)pyrene											
Benzo(b)fluoranthene											
Benzo(g,h,i)perylene											
Benzo(k)fluoranthene											
Benzyl alcohol											
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc											
Bis (2-chloroethoxy) methane											
Bis(2-chloroethyl) ether											
Bis(2-chloroisopropyl) ether											
Bis(2-ethylhexyl) phthalate											
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate											
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.2

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Table 9

Analytical Data Summary for MW-54

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Calcium, total	mg/L	178	181	172		164							
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L									<.1			
Chloride	mg/L	<10.0	<10.0	<10.0		3.2							
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L									<8			
Chloroethane	ug/L	20.6	14.1	13.6	5.8	13.7	10.5	11.4	8.5	2.0	4.0	4.3	1.9
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L									<1			
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L									<8			
Cis-1,2-dichloroethylene	ug/L	2.9	2.4	2.1	1.9	2.0	1.5	1.9	1.2	<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
Cobalt, total	ug/L	9.3	12.1	7.8	10.0	14.9	13.0	10.8	14.6	9.7	9.7	9.3	28.9
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	50.9
Cyanide, total	mg/L									<.005			
Delta-bhc	ug/L									<.05			
Diallate	ug/L									<8			
Dibenzo(a,h)anthracene	ug/L									<8			
Dibenzofuran	ug/L									<8			
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L									<1			
Dieldrin	ug/L									<.05			
Diethyl phthalate	ug/L									<8			
Dimethoate	ug/L									<.4			
Dimethylphthalate	ug/L									<8			
Di-n-butyl phthalate	ug/L									<8			
Di-n-octyl phthalate	ug/L									<8			
Dinoseb	ug/L									<.5			
Diphenylamine	ug/L									<8			
Disulfoton	ug/L									<.4			
Endosulfan i	ug/L									<.05			
Endosulfan ii	ug/L									<.05			
Endosulfan sulfate	ug/L									<.05			
Endrin	ug/L									<.05			
Endrin aldehyde	ug/L									<.05			
Ethane	ug/L												
Ethene	ug/L												
Ethyl methacrylate	ug/L									<10			
Ethyl methanesulfonate	ug/L									<8			
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L									<.4			
Fluoranthene	ug/L									<8			
Fluorene	ug/L									<8			
Gamma-bhc (lindane)	ug/L									<.05			
Heptachlor	ug/L									<.05			
Heptachlor epoxide	ug/L									<.05			
Hexachlorobenzene	ug/L									<.05			
Hexachlorobutadiene	ug/L									<8			
Hexachlorocyclopentadiene	ug/L									<8			
Hexachloroethane	ug/L									<8			

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Table 9

Analytical Data Summary for MW-54

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Calcium, total											
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane											
Chloride											
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate											
Chloroethane	2.7	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene											
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8	<1	<1
Chrysene											
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	8.5	9.7	8.9	10.1	9.6	9.9	11.3	10.6	9.9	10.2	9.0
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Cyanide, total											
Delta-bhc											
Diallate											
Dibenzo(a,h)anthracene											
Dibenzofuran											
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane											
Dieldrin											
Diethyl phthalate											
Dimethoate											
Dimethylphthalate											
Di-n-butyl phthalate											
Di-n-octyl phthalate											
Dinoseb											
Diphenylamine											
Disulfoton											
Endosulfan i											
Endosulfan ii											
Endosulfan sulfate											
Endrin											
Endrin aldehyde											
Ethane	<14	<10							<5	<5	
Ethene	<14	<10							<5	<5	
Ethyl methacrylate											
Ethyl methanesulfonate											
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur											
Fluoranthene											
Fluorene											
Gamma-bhc (lindane)											
Heptachlor											
Heptachlor epoxide											
Hexachlorobenzene											
Hexachlorobutadiene											
Hexachlorocyclopentadiene											
Hexachloroethane											

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

Table 9

Analytical Data Summary for MW-54

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Hexachloropropene	ug/L									<8			
Indeno(1,2,3-cd)pyrene	ug/L									<8			
Isobutanol	mg/L									<1			
Isodrin	ug/L									<8			
Isophorone	ug/L									<8			
Isosafrole	ug/L									<8			
Kepone	ug/L									<8			
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total	mg/L	72.6	69.8	72.0		64.5							
Mercury, total	ug/L									<.5			
Methacrylonitrile	ug/L									<1			
Methane	ug/L												
Methapyrilene	ug/L									<8			
Methoxychlor	ug/L									<.05			
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L									<1			
Methyl methanesulfonate	ug/L									<8			
Methyl parathion	ug/L									<.4			
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L									<8			
Nickel, total	ug/L	33.2	38.7	25.5	37.4	52.0	35.4	28.3	32.3	24.7	23.1	18.5	105.0
Nitrobenzene	ug/L									<8			
Nitrogen, ammonia	mg/L	<1	<1	<1		<1							
N-nitrosodiethylamine	ug/L									<8			
N-nitrosodimethylamine	ug/L									<8			
N-nitrosodi-n-butylamine	ug/L									<8			
N-nitroso-di-n-propylamine	ug/L									<8			
N-nitrosodiphenylamine	ug/L									<8			
N-nitrosomethylethylamine	ug/L									<8			
N-nitrosopiperidine	ug/L									<8			
N-nitrosopyrrolidine	ug/L									<8			
O,o,o-triethyl phosphorothioate	ug/L									<.4			
O-toluidine	ug/L									<8			
Parathion	ug/L									<.4			
P-dimethylaminoazobenzene	ug/L									<8			
Pentachlorobenzene	ug/L									<8			
Pentachloronitrobenzene (pcnb)	ug/L									<8			
Pentachlorophenol	ug/L									<8			
pH	pH												
Phenacetin	ug/L									<8			
Phenanthrene	ug/L									<8			
Phenol	ug/L									<8			
Phorate	ug/L									<.4			
Potassium, total	mg/L	1.3	<1.0	1.4		<1.0							
Pronamide	ug/L									<8			
Propionitrile	ug/L									<10			
Pyrene	ug/L									<8			
Safrole	ug/L									<8			
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Sodium, total	mg/L	10.8	10.6	12.4		9.8							
Solids, total dissolved	mg/L	713	700	713		545							
Solids, total suspended	mg/L	107	9										
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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Table 9

Analytical Data Summary for MW-54

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Hexachloropropene											
Indeno(1,2,3-cd)pyrene											
Isobutanol											
Isodrin											
Isophorone											
Isosafrole											
Kepone											
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<1	<1
Magnesium, total											
Mercury, total											
Methacrylonitrile											
Methane	68	63							78	<5	
Methapyrilene											
Methoxychlor											
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate											
Methyl methanesulfonate											
Methyl parathion											
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene											
Nickel, total	21.0	22.0	20.7	21.1	19.3	22.4	22.2	22.4	22.6	17.2	17.5
Nitrobenzene											
Nitrogen, ammonia											
N-nitrosodiethylamine											
N-nitrosodimethylamine											
N-nitrosodi-n-butylamine											
N-nitroso-di-n-propylamine											
N-nitrosodiphenylamine											
N-nitrosomethylethylamine											
N-nitrosopiperidine											
N-nitrosopyrrolidine											
O,o,o-triethyl phosphorothioate											
O-toluidine											
Parathion											
P-dimethylaminoazobenzene											
Pentachlorobenzene											
Pentachloronitrobenzene (pcnb)											
Pentachlorophenol											
pH	6.7	6.8		6.8				6.7	6.4	6.7	
Phenacetin											
Phenanthrene											
Phenol											
Phorate											
Potassium, total											
Pronamide											
Propionitrile											
Pyrene											
Safrole											
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5	<5
Sodium, total											
Solids, total dissolved											
Solids, total suspended											
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-54

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Sulfate	mg/L	6.9	6.4	11.1		5.6							
Sulfide, total	mg/L									<.1			
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0
Thionazin	ug/L									<.4			
Tin, total	ug/L									<20			
Toluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0
Toxaphene	ug/L									<.2			
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	1.0	<1.0	1.0	<1.0	2.0	1.8	1.6	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	8.3	<8.0	<8.0	9.2	<8.0	<8.0	<8.0	9.3	28.6	28.9	244.0

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

Table 9

Analytical Data Summary for MW-54

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Sulfate											
Sulfide, total											
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin											
Tin, total											
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toxaphene											
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	7.5	9.8

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

Table 9

Analytical Data Summary for MW-66

Constituents	Units	10/16/2014	1/14/2015	4/3/2015	7/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, as caco3	mg/L	457		472		433		354	
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	325	412	524	560	612	395	413	371
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Calcium, total	mg/L	119.0		112.0		104.0		89.8	
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloride	mg/L	<10		<10		<10		2	
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	.9	<.8
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total	mg/L	39.3		35.8		36.1		28.2	
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Nitrogen, ammonia	mg/L	<1		<1		<1		<1	
Potassium, total	mg/L	1.9		1.2		1.6		1.4	
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4

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

Table 9

Analytical Data Summary for MW-66

Constituents	Units	10/16/2014	1/14/2015	4/3/2015	7/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017
Sodium, total	mg/L	9.9		9.3		9.1		7.3	
Solids, total dissolved	mg/L	487		380		449		331	
Solids, total suspended	mg/L	133		17					
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	33.4		26.0		25.9		24.1	
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4	<4	<4	<4	<1	<4	<4	<4
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	54.6	<8.0	<8.0	<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-81

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
(3 4)-methylphenol	ug/L									<8			
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	44.6	39.2	38.6	27.5	29.7	25.9	33.9	24.5	19.0	13.8	11.0	10.8
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L									<1			
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L									<8			
1,2,4-trichlorobenzene	ug/L									<1			
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	1.3	2.0
1,2-dichloroethane	ug/L	7.7	6.5	8.7	4.7	6.4	4.2	9.9	5.8	2.9	2.1	<1.0	2.4
1,2-dichloropropane	ug/L	19.6	16.1	15.8	11.1	10.6	9.1	12.6	8.6	4.9	1.9	1.5	1.1
1,2-dinitrobenzene	ug/L									<8			
1,3,5-trinitrobenzene	ug/L									<8			
1,3-dichlorobenzene	ug/L									<1			
1,3-dichloropropane	ug/L									<1			
1,3-dinitrobenzene	ug/L									<8			
1,4-dichlorobenzene	ug/L	1.6	1.5	1.5	2.2	3.2	2.8	3.4	4.2	<1.0	8.0	7.6	<1.0
1,4-naphthoquinone	ug/L									<8			
1,4-phenylenediamine	ug/L									<8			
1-naphthylamine	ug/L									<8			
2,2-dichloropropane	ug/L									<1			
2,3,4,6-tetrachlorophenol	ug/L									<8			
2,4,5-t	ug/L									<.5			
2,4,5-tp (silvex)	ug/L									<.5			
2,4,5-trichlorophenol	ug/L									<8			
2,4,6-trichlorophenol	ug/L									<8			
2,4-d	ug/L									<2			
2,4-dichlorophenol	ug/L									<8			
2,4-dimethylphenol	ug/L									<8			
2,4-dinitrophenol	ug/L									<8			
2,4-dinitrotoluene	ug/L									<8			
2,6-dichlorophenol	ug/L									<8			
2,6-dinitrotoluene	ug/L									<8			
2-acetylaminofluorene	ug/L									<8			
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L									<8			
2-chlorophenol	ug/L									<8			
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L									<8			
2-methylphenol	ug/L									<8			
2-naphthylamine	ug/L									<8			
2-nitroaniline	ug/L									<8			
2-nitrophenol	ug/L									<8			
3,3´-dichlorobenzidine	ug/L									<8			
3,3'-dimethylbenzidine	ug/L									<8			
3-methylcholanthrene	ug/L									<8			
3-nitroaniline	ug/L									<8			
4,4´-ddd	ug/L									<.05			
4,4´-dde	ug/L									<.05			

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

Table 9

Analytical Data Summary for MW-81

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
(3 4)-methylphenol											
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	27.9	15.8	29.3	21.5	27.7	23.9	30.0	28.2	24.8	24.6	20.2
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene											
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene											
1,2,4-trichlorobenzene											
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2
1,2-dichloroethane	7.7	3.9	9.8	5.7	12.8	6.9	15.6	12.3	11.2	10.0	8.5
1,2-dichloropropane	7.9	4.0	9.3	2.6	8.1	3.5	8.4	6.5	6.9	2.8	4.5
1,2-dinitrobenzene											
1,3,5-trinitrobenzene											
1,3-dichlorobenzene											
1,3-dichloropropane											
1,3-dinitrobenzene											
1,4-dichlorobenzene	6.6	5.2	5.0	4.6	5.8	4.6	5.7	4.7	5.6	5.6	7.4
1,4-naphthoquinone											
1,4-phenylenediamine											
1-naphthylamine											
2,2-dichloropropane											
2,3,4,6-tetrachlorophenol											
2,4,5-t											
2,4,5-tp (silvex)											
2,4,5-trichlorophenol											
2,4,6-trichlorophenol											
2,4-d											
2,4-dichlorophenol											
2,4-dimethylphenol											
2,4-dinitrophenol											
2,4-dinitrotoluene											
2,6-dichlorophenol											
2,6-dinitrotoluene											
2-acetylaminofluorene											
2-butanone (mek)	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10
2-chloronaphthalene											
2-chlorophenol											
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene											
2-methylphenol											
2-naphthylamine											
2-nitroaniline											
2-nitrophenol											
3,3´-dichlorobenzidine											
3,3'-dimethylbenzidine											
3-methylcholanthrene											
3-nitroaniline											
4,4´-ddd											
4,4´-dde											

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

Table 9

Analytical Data Summary for MW-81

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
4,4´-ddt	ug/L									<.05			
4,6-dinitro-2-methylphenol	ug/L									<8			
4-aminobiphenyl	ug/L									<8			
4-bromophenyl phenyl ether	ug/L									<8			
4-chloro-3-methylphenol	ug/L									<8			
4-chloroaniline	ug/L									<8			
4-chlorophenyl phenyl ether	ug/L									<8			
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L									<8			
4-nitrophenol	ug/L									<8			
5-nitro-o-toluidine	ug/L									<8			
7,12-dimethylbenz(a)anthracene	ug/L									<8			
Acenaphthene	ug/L									<8			
Acenaphthylene	ug/L									<8			
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	26.7	<10.0	<10.0	<10.0
Acetonitrile	ug/L									<10			
Acetophenone	ug/L									<8			
Acrolein	ug/L									<10			
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L									<.05			
Alkalinity, as caco3	mg/L	1140	1210	973		1030							
Allyl chloride	ug/L									<1			
Alpha-bhc	ug/L									<.05			
Anthracene	ug/L									<8			
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L									<.1			
Arochlor 1221	ug/L									<.2			
Arochlor 1232	ug/L									<.2			
Arochlor 1242	ug/L									<.2			
Arochlor 1248	ug/L									<.2			
Arochlor 1254	ug/L									<.1			
Arochlor 1260	ug/L									<.1			
Arsenic, total	ug/L	6.1	4.4	<4.0	<4.0	4.4	<4.0	<4.0	<4.0	10.5	6.6	8.0	11.5
Azobenzene	ug/L									<8			
Barium, total	ug/L	1610	2000	1810	1340	1600	1170	1640	1460	2140	956	873	1010
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	1.3	1.5	1.1	1.0	<1.0	2.9	2.7	2.9
Benzo(a)anthracene	ug/L									<8			
Benzo(a)pyrene	ug/L									<8			
Benzo(b)fluoranthene	ug/L									<8			
Benzo(g,h,i)perylene	ug/L									<8			
Benzo(k)fluoranthene	ug/L									<8			
Benzyl alcohol	ug/L									<8			
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L									<.05			
Bis (2-chloroethoxy) methane	ug/L									<8			
Bis(2-chloroethyl) ether	ug/L									<8			
Bis(2-chloroisopropyl) ether	ug/L									<8			
Bis(2-ethylhexyl) phthalate	ug/L	<10	36	<10	<10	<10	<10			<6			
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L									<8			
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8

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

Table 9

Analytical Data Summary for MW-81

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
4,4´-ddt											
4,6-dinitro-2-methylphenol											
4-aminobiphenyl											
4-bromophenyl phenyl ether											
4-chloro-3-methylphenol											
4-chloroaniline											
4-chlorophenyl phenyl ether											
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline											
4-nitrophenol											
5-nitro-o-toluidine											
7,12-dimethylbenz(a)anthracene											
Acenaphthene											
Acenaphthylene											
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile											
Acetophenone											
Acrolein											
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin											
Alkalinity, as caco3	1020	1050		965		982		886	907	888	
Allyl chloride											
Alpha-bhc											
Anthracene											
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016											
Arochlor 1221											
Arochlor 1232											
Arochlor 1242											
Arochlor 1248											
Arochlor 1254											
Arochlor 1260											
Arsenic, total	6.1	6.7	5.5	8.2	6.0	7.0	6.3	6.8	6.0	3.4	6.3
Azobenzene											
Barium, total	1180	1190	1550	1500	1670	1540	1750	1940	1580	1950	1460
Benzene	1.5	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2
Benzo(a)anthracene											
Benzo(a)pyrene											
Benzo(b)fluoranthene											
Benzo(g,h,i)perylene											
Benzo(k)fluoranthene											
Benzyl alcohol											
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc											
Bis (2-chloroethoxy) methane											
Bis(2-chloroethyl) ether											
Bis(2-chloroisopropyl) ether											
Bis(2-ethylhexyl) phthalate											
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate											
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.2

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Table 9

Analytical Data Summary for MW-81

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Calcium, total	mg/L	230	229	221		260							
Carbon disulfide	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L									<.1			
Chloride	mg/L	<10.0	10.0	<10.0		8.8							
Chlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	1.1	1.0	1.1	1.1	<1.0	1.4	1.4	1.3
Chlorobenzilate	ug/L									<8			
Chloroethane	ug/L	13.3	13.7	8.6	7.5	11.5	9.8	8.7	7.1	5.2	6.0	7.8	6.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L									<1			
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L									<8			
Cis-1,2-dichloroethylene	ug/L	288	252	201	247	243	205	188	195	101	84	127	83
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	14.0	13.6	9.3	9.5	6.4	7.7	9.1	9.2	5.6	15.9	13.1	23.5
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total	mg/L									<.005			
Delta-bhc	ug/L									<.05			
Diallate	ug/L									<8			
Dibenzo(a,h)anthracene	ug/L									<8			
Dibenzofuran	ug/L									<8			
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L									<1			
Dieldrin	ug/L									<.05			
Diethyl phthalate	ug/L									<8			
Dimethoate	ug/L									<.4			
Dimethylphthalate	ug/L									<8			
Di-n-butyl phthalate	ug/L									<8			
Di-n-octyl phthalate	ug/L									<8			
Dinoseb	ug/L									<.5			
Diphenylamine	ug/L									<8			
Disulfoton	ug/L									<.4			
Endosulfan i	ug/L									<.05			
Endosulfan ii	ug/L									<.05			
Endosulfan sulfate	ug/L									<.05			
Endrin	ug/L									<.05			
Endrin aldehyde	ug/L									<.05			
Ethane	ug/L												
Ethene	ug/L												
Ethyl methacrylate	ug/L									<10			
Ethyl methanesulfonate	ug/L									<8			
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L									<.4			
Fluoranthene	ug/L									<8			
Fluorene	ug/L									<8			
Gamma-bhc (lindane)	ug/L									<.05			
Heptachlor	ug/L									<.05			
Heptachlor epoxide	ug/L									<.05			
Hexachlorobenzene	ug/L									<.05			
Hexachlorobutadiene	ug/L									<8			
Hexachlorocyclopentadiene	ug/L									<8			
Hexachloroethane	ug/L									<8			

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Table 9

Analytical Data Summary for MW-81

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
Calcium, total											
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane											
Chloride											
Chlorobenzene	1.5	1.2	1.3	1.2	1.7	1.4	1.9	1.7	1.8	1.8	2.0
Chlorobenzilate											
Chloroethane	9.2	5.6	5.7	5.0	7.2	5.4	6.5	6.8	6.0	6.0	6.2
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene											
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.2	<1.0
Chrysene											
Cis-1,2-dichloroethylene	210	148	188	192	225	140	181	164	127	130	135
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	12.9	8.8	10.9	12.1	9.7	10.9	9.0	10.5	8.2	9.2	9.9
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5	<5
Cyanide, total											
Delta-bhc											
Diallate											
Dibenzo(a,h)anthracene											
Dibenzofuran											
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane											
Dieldrin											
Diethyl phthalate											
Dimethoate											
Dimethylphthalate											
Di-n-butyl phthalate											
Di-n-octyl phthalate											
Dinoseb											
Diphenylamine											
Disulfoton											
Endosulfan i											
Endosulfan ii											
Endosulfan sulfate											
Endrin											
Endrin aldehyde											
Ethane	<10	<10							<5	<5	
Ethene	<10	<10							<5	<5	
Ethyl methacrylate											
Ethyl methanesulfonate											
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur											
Fluoranthene											
Fluorene											
Gamma-bhc (lindane)											
Heptachlor											
Heptachlor epoxide											
Hexachlorobenzene											
Hexachlorobutadiene											
Hexachlorocyclopentadiene											
Hexachloroethane											

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Table 9

Analytical Data Summary for MW-81

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Hexachloropropene	ug/L									<8			
Indeno(1,2,3-cd)pyrene	ug/L									<8			
Isobutanol	mg/L									<1			
Isodrin	ug/L									<8			
Isophorone	ug/L									<8			
Isosafrole	ug/L									<8			
Kepone	ug/L									<8			
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total	mg/L	113	112	113		129							
Mercury, total	ug/L									<.5			
Methacrylonitrile	ug/L									<1			
Methane	ug/L												
Methapyrilene	ug/L									<8			
Methoxychlor	ug/L									<.05			
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L									<1			
Methyl methanesulfonate	ug/L									<8			
Methyl parathion	ug/L									<.4			
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L									<8			
Nickel, total	ug/L	19.7	17.3	11.2	9.7	6.1	7.6	12.0	10.3	22.0	5.0	5.6	5.9
Nitrobenzene	ug/L									<8			
Nitrogen, ammonia	mg/L	<1	<1	<1		<1							
N-nitrosodiethylamine	ug/L									<8			
N-nitrosodimethylamine	ug/L									<8			
N-nitrosodi-n-butylamine	ug/L									<8			
N-nitroso-di-n-propylamine	ug/L									<8			
N-nitrosodiphenylamine	ug/L									<8			
N-nitrosomethylethylamine	ug/L									<8			
N-nitrosopiperidine	ug/L									<8			
N-nitrosopyrrolidine	ug/L									<8			
O,o,o-triethyl phosphorothioate	ug/L									<.4			
O-toluidine	ug/L									<8			
Parathion	ug/L									<.4			
P-dimethylaminoazobenzene	ug/L									<8			
Pentachlorobenzene	ug/L									<8			
Pentachloronitrobenzene (pcnb)	ug/L									<8			
Pentachlorophenol	ug/L									<8			
pH	pH												
Phenacetin	ug/L									<8			
Phenanthrene	ug/L									<8			
Phenol	ug/L									<8			
Phorate	ug/L									<.4			
Potassium, total	mg/L	3.0	1.7	2.6		3.2							
Pronamide	ug/L									<8			
Propionitrile	ug/L									<10			
Pyrene	ug/L									<8			
Safrole	ug/L									<8			
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Sodium, total	mg/L	10.3	10.7	11.0		12.0							
Solids, total dissolved	mg/L	955	880	943		1150							
Solids, total suspended	mg/L	500	25										
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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Table 9

Analytical Data Summary for MW-81

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
Hexachloropropene											
Indeno(1,2,3-cd)pyrene											
Isobutanol											
Isodrin											
Isophorone											
Isosafrole											
Kepone											
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<1	<1
Magnesium, total											
Mercury, total											
Methacrylonitrile											
Methane	1160	2880							560	1700	
Methapyrilene											
Methoxychlor											
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate											
Methyl methanesulfonate											
Methyl parathion											
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene											
Nickel, total	10.3	9.5	11.5	11.9	11.2	10.9	12.2	13.4	9.4	9.8	9.2
Nitrobenzene											
Nitrogen, ammonia											
N-nitrosodiethylamine											
N-nitrosodimethylamine											
N-nitrosodi-n-butylamine											
N-nitroso-di-n-propylamine											
N-nitrosodiphenylamine											
N-nitrosomethylethylamine											
N-nitrosopiperidine											
N-nitrosopyrrolidine											
O,o,o-triethyl phosphorothioate											
O-toluidine											
Parathion											
P-dimethylaminoazobenzene											
Pentachlorobenzene											
Pentachloronitrobenzene (pcnb)											
Pentachlorophenol											
pH	6.6	6.7		6.6		6.6		6.6	6.3	6.5	
Phenacetin											
Phenanthrene											
Phenol											
Phorate											
Potassium, total											
Pronamide											
Propionitrile											
Pyrene											
Safrole											
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5	<5
Sodium, total											
Solids, total dissolved											
Solids, total suspended											
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-81

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Sulfate	mg/L	17.5	13.0	9.8		16.7							
Sulfide, total	mg/L									<.1			
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0
Thionazin	ug/L									<.4			
Tin, total	ug/L									<20			
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L									<.2			
Trans-1,2-dichloroethylene	ug/L	2.5	3.2	2.2	2.6	3.1	3.0	2.6	2.4	<1.0	2.6	2.2	2.4
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	10.0	6.7	12.2	4.7	2.1	5.4	9.4	4.3	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	9.7	12.9	8.8	15.8	20.1	16.5	13.2	13.6	26.6	15.5	24.2	13.9
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	15.4	<20.0	20.8	<20.0

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

Table 9

Analytical Data Summary for MW-81

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
Sulfate											
Sulfide, total											
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin											
Tin, total											
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene											
Trans-1,2-dichloroethylene	4.1	1.8	1.9	<1.0	2.4	2.2	2.5	2.2	2.4	2.3	2.6
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	3.0	2.0	2.3	1.0	2.9	2.6	3.3	1.4	2.2	<1.0	1.2
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	15.4	11.3	7.2	7.0	8.4	7.7	6.7	6.8	6.5	6.8	10.8
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	21.8	<20.0	<20.0	5.1	12.2

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

Table 9

Analytical Data Summary for MW-85

Constituents	Units	10/16/2014	1/14/2015	4/3/2015	7/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	15.4	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, as caco3	mg/L	387		416		437		382					
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	138	157	167	143	135	155	149	175	143	142	146	152
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Calcium, total	mg/L	107		101		103		121					
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride	mg/L	<10		<10		<10		<1					
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.8	<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total	mg/L	31.7		29.1		31.2		34.2					
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	20.6	<4.0
Nitrogen, ammonia	mg/L	<1		<1		<1		<1					
Potassium, total	mg/L	2.8		1.9		2.8		4.3					
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4

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

Table 9

Analytical Data Summary for MW-85

Constituents	10/23/2019	4/10/2020	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, as caco3													
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<2	<2
Barium, total	126	160	151	135	121	133	138	141	143	144	136	137	145
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Calcium, total													
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride													
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.3	<1.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	.4	.4	<.4	<.4	<.4	<.4	<.4	<.4	.4	<.4	<.5	<.5
Copper, total	4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<1	<1
Magnesium, total													
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Nitrogen, ammonia													
Potassium, total													
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5	<5

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

Table 9

Analytical Data Summary for MW-85

Constituents	Units	10/16/2014	1/14/2015	4/3/2015	7/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019
Sodium, total	mg/L	16.2		16.5		15.0		15.9					
Solids, total dissolved	mg/L	40400		344		411		435					
Solids, total suspended	mg/L	308		41									
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	14.3		13.6		14.8		14.9					
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	27.0	9.1	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	125.0	<20.0

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

Table 9

Analytical Data Summary for MW-85

Constituents	10/23/2019	4/10/2020	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Sodium, total													
Solids, total dissolved													
Solids, total suspended													
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate													
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	9.7	8.0

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

Table 9

Analytical Data Summary for MW-87

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	18.4	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, as caco3	mg/L	373	400	352		340							
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	138	129	154	132	135	128	110	124	120	131	125	121
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bis(2-ethylhexyl) phthalate	ug/L	<10	<10	<10	<10	<10	<10						
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Calcium, total	mg/L	121	125	104		124							
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride	mg/L	<10.0	<10.0	<10.0		1.5							
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.4
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total	mg/L	28.6	27.1	25.1		27.9							
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Nitrogen, ammonia	mg/L	<1	<1	<1		<1							
Potassium, total	mg/L	3.5	3.0	3.4		3.8							
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4

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

Table 9

Analytical Data Summary for MW-87

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, as caco3											
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<2	<2
Barium, total	125	107	109	104	120	115	104	117	100	110	111
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bis(2-ethylhexyl) phthalate											
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Calcium, total											
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride											
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.4	<1.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.5	<.5
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5	<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<1	<1
Magnesium, total											
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	7.3
Nitrogen, ammonia											
Potassium, total											
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<2	<2

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

Table 9

Analytical Data Summary for MW-87

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Sodium, total	mg/L	18.7	17.5	17.1		19.7							
Solids, total dissolved	mg/L	439	419	457		443							
Solids, total suspended	mg/L	3	3										
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	91.2	85.7	85.1		95.2							
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-87

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5	<5
Sodium, total											
Solids, total dissolved											
Solids, total suspended											
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate											
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<5.0	8.8

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

Table 9

Analytical Data Summary for MW-89

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	18.2	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, as caco3	mg/L	406	428	393		374							
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	329	356	330	323	317	309	295	238	255	336	352	311
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bis(2-ethylhexyl) phthalate	ug/L	<10		<10	19	<10	<10						
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Calcium, total	mg/L	94.7	102.0	84.4		105.0							
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride	mg/L	<10.0	<10.0	<10.0		7.5							
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.4
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total	mg/L	33.5	33.0	31.1		37.2							
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Nitrogen, ammonia	mg/L	<1	<1	<1		<1							
Potassium, total	mg/L	1.0	<1.0	1.0		1.4							
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4

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

Table 9

Analytical Data Summary for MW-89

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	11/9/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, as caco3											
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<2	<2
Barium, total	336	263	298	219	242	214	257	240	215	289	234
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bis(2-ethylhexyl) phthalate											
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Calcium, total											
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride											
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.2	<1.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.5	<.5
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5	<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<1	<1
Magnesium, total											
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5	<5
Nitrogen, ammonia											
Potassium, total											
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<2	<2

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

Table 9

Analytical Data Summary for MW-89

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Sodium, total	mg/L	14.5	15.5	13.2		17.8							
Solids, total dissolved	mg/L	407	353	384		320							
Solids, total suspended	mg/L	87	5										
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	10.1	9.8	10.2		14.6							
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-89

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	11/9/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5	<5
Sodium, total											
Solids, total dissolved											
Solids, total suspended											
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate											
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<5.0	18.5

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

Table 9

Analytical Data Summary for MW-91

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	7/11/2017	10/9/2017	1/9/2018	4/17/2018	7/2/2018	10/22/2018
(3 4)-methylphenol	ug/L												<8
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,1-dichloroethane	ug/L	2.4	6.1	3.6	<1.0	<1.0	<1.0		2.5	1.7	<1.0		<1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,1-dichloropropene	ug/L												<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,2,4,5-tetrachlorobenzene	ug/L												<8
1,2,4-trichlorobenzene	ug/L												<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,2-dinitrobenzene	ug/L												<8
1,3,5-trinitrobenzene	ug/L												<8
1,3-dichlorobenzene	ug/L												<1
1,3-dichloropropane	ug/L												<1
1,3-dinitrobenzene	ug/L												<8
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
1,4-naphthoquinone	ug/L												<8
1,4-phenylenediamine	ug/L												<8
1-naphthylamine	ug/L												<8
2,2-dichloropropane	ug/L												<1
2,3,4,6-tetrachlorophenol	ug/L												<8
2,4,5-t	ug/L												<.5
2,4,5-tp (silvex)	ug/L												<.5
2,4,5-trichlorophenol	ug/L												<8
2,4,6-trichlorophenol	ug/L												<8
2,4-d	ug/L												<2
2,4-dichlorophenol	ug/L												<8
2,4-dimethylphenol	ug/L												<8
2,4-dinitrophenol	ug/L												<8
2,4-dinitrotoluene	ug/L												<8
2,6-dichlorophenol	ug/L												<8
2,6-dinitrotoluene	ug/L												<8
2-acetylaminofluorene	ug/L												<8
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5		<5		<5		<5
2-chloronaphthalene	ug/L												<8
2-chlorophenol	ug/L												<8
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5		<5		<5		<5
2-methylnaphthalene	ug/L												<8
2-methylphenol	ug/L												<8
2-naphthylamine	ug/L												<8
2-nitroaniline	ug/L												<8
2-nitrophenol	ug/L												<8
3,3´-dichlorobenzidine	ug/L												<8
3,3'-dimethylbenzidine	ug/L												<8
3-methylcholanthrene	ug/L												<8
3-nitroaniline	ug/L												<8
4,4´-ddd	ug/L												<.05
4,4´-dde	ug/L												<.05

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

Table 9

Analytical Data Summary for MW-91

Constituents	4/22/2019	10/23/2019	4/10/2020	10/19/2020	1/7/2021	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	11/9/2023	4/16/2024	10/15/2024
(3 4)-methylphenol											<8		
1,1,1,2-tetrachloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	2.7	<1.0	<1.0	1.5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene											<1		
1,2,3-trichloropropane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene											<8		
1,2,4-trichlorobenzene											<1		
1,2-dibromo-3-chloropropane	<1	<1	<5	<5		<5	<5	<5	<5	<5	<1	<5	<5
1,2-dibromoethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene											<8		
1,3,5-trinitrobenzene											<8		
1,3-dichlorobenzene											<1		
1,3-dichloropropane											<1		
1,3-dinitrobenzene											<8		
1,4-dichlorobenzene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone											<8		
1,4-phenylenediamine											<8		
1-naphthylamine											<8		
2,2-dichloropropane											<1		
2,3,4,6-tetrachlorophenol											<8		
2,4,5-t											<.5		
2,4,5-tp (silvex)											<.5		
2,4,5-trichlorophenol											<8		
2,4,6-trichlorophenol											<8		
2,4-d											<2		
2,4-dichlorophenol											<8		
2,4-dimethylphenol											<8		
2,4-dinitrophenol											<8		
2,4-dinitrotoluene											<8		
2,6-dichlorophenol											<8		
2,6-dinitrotoluene											<8		
2-acetylaminofluorene											<8		
2-butanone (mek)	<5	<5	<5	<5		<5	<5	<10	<10	<10	<5	<10	<10
2-chloronaphthalene											<8		
2-chlorophenol											<8		
2-hexanone (mbk)	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene											<8		
2-methylphenol											<8		
2-naphthylamine											<8		
2-nitroaniline											<8		
2-nitrophenol											<8		
3,3´-dichlorobenzidine											<8		
3,3'-dimethylbenzidine											<8		
3-methylcholanthrene											<8		
3-nitroaniline											<8		
4,4´-ddd											<.05		
4,4´-dde											<.05		

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

Table 9

Analytical Data Summary for MW-91

Constituents	4/14/2025	10/6/2025
(3 4)-methylphenol		
1,1,1,2-tetrachloroethane	<1	<1
1,1,1-trichloroethane	<1	<1
1,1,2,2-tetrachloroethane	<1	<1
1,1,2-trichloroethane	<1	<1
1,1-dichloroethane	<1.0	<1.0
1,1-dichloroethylene	<1	<1
1,1-dichloropropene		
1,2,3-trichloropropane	<1	<1
1,2,4,5-tetrachlorobenzene		
1,2,4-trichlorobenzene		
1,2-dibromo-3-chloropropane	<5	<5
1,2-dibromoethane	<1	<1
1,2-dichlorobenzene	<1	<1
1,2-dichloroethane	<1	<1
1,2-dichloropropane	<1	<1
1,2-dinitrobenzene		
1,3,5-trinitrobenzene		
1,3-dichlorobenzene		
1,3-dichloropropane		
1,3-dinitrobenzene		
1,4-dichlorobenzene	<1	<1
1,4-naphthoquinone		
1,4-phenylenediamine		
1-naphthylamine		
2,2-dichloropropane		
2,3,4,6-tetrachlorophenol		
2,4,5-t		
2,4,5-tp (silvex)		
2,4,5-trichlorophenol		
2,4,6-trichlorophenol		
2,4-d		
2,4-dichlorophenol		
2,4-dimethylphenol		
2,4-dinitrophenol		
2,4-dinitrotoluene		
2,6-dichlorophenol		
2,6-dinitrotoluene		
2-acetylaminofluorene		
2-butanone (mek)	<10	<10
2-chloronaphthalene		
2-chlorophenol		
2-hexanone (mbk)	<5	<5
2-methylnaphthalene		
2-methylphenol		
2-naphthylamine		
2-nitroaniline		
2-nitrophenol		
3,3´-dichlorobenzidine		
3,3'-dimethylbenzidine		
3-methylcholanthrene		
3-nitroaniline		
4,4´-ddd		
4,4´-dde		

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

Table 9

Analytical Data Summary for MW-91

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	7/11/2017	10/9/2017	1/9/2018	4/17/2018	7/2/2018	10/22/2018
4,4´-ddt	ug/L												<.05
4,6-dinitro-2-methylphenol	ug/L												<8
4-aminobiphenyl	ug/L												<8
4-bromophenyl phenyl ether	ug/L												<8
4-chloro-3-methylphenol	ug/L												<8
4-chloroaniline	ug/L												<8
4-chlorophenyl phenyl ether	ug/L												<8
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5		<5		<5		<5
4-nitroaniline	ug/L												<8
4-nitrophenol	ug/L												<8
5-nitro-o-toluidine	ug/L												<8
7,12-dimethylbenz(a)anthracene	ug/L												<8
Acenaphthene	ug/L												<8
Acenaphthylene	ug/L												<8
Acetone	ug/L	<10	<10	<10	<10	<10	<10		<10		<10		<10
Acetonitrile	ug/L												<10
Acetophenone	ug/L												<8
Acrolein	ug/L												<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5		<5		<5		<5
Aldrin	ug/L												<.05
Alkalinity, as caco3	mg/L	464	559	559		382							
Allyl chloride	ug/L												<1
Alpha-bhc	ug/L												<.05
Anthracene	ug/L												<8
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2		<2		<2		<2
Arochlor 1016	ug/L												<.1
Arochlor 1221	ug/L												<.2
Arochlor 1232	ug/L												<.2
Arochlor 1242	ug/L												<.2
Arochlor 1248	ug/L												<.2
Arochlor 1254	ug/L												<.1
Arochlor 1260	ug/L												<.1
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4		4		<4		<4
Azobenzene	ug/L												<8
Barium, total	ug/L	266	303	348	162	255	162		663	236	126		167
Benzene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Benzo(a)anthracene	ug/L												<8
Benzo(a)pyrene	ug/L												<8
Benzo(b)fluoranthene	ug/L												<8
Benzo(g,h,i)perylene	ug/L												<8
Benzo(k)fluoranthene	ug/L												<8
Benzyl alcohol	ug/L												<8
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0		<4.0		<4.0
Beta-bhc	ug/L												<.05
Bis (2-chloroethoxy) methane	ug/L												<8
Bis(2-chloroethyl) ether	ug/L												<8
Bis(2-chloroisopropyl) ether	ug/L												<8
Bis(2-ethylhexyl) phthalate	ug/L	<10	<10	<10	<10	<10	<10						<6
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Butyl benzyl phthalate	ug/L												<8
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8		<.8		<.8		<.8

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

Table 9

Analytical Data Summary for MW-91

Constituents	4/22/2019	10/23/2019	4/10/2020	10/19/2020	1/7/2021	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	11/9/2023	4/16/2024	10/15/2024
4,4´-ddt											<.05		
4,6-dinitro-2-methylphenol											<8		
4-aminobiphenyl											<8		
4-bromophenyl phenyl ether											<8		
4-chloro-3-methylphenol											<8		
4-chloroaniline											<8		
4-chlorophenyl phenyl ether											<8		
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline											<8		
4-nitrophenol											<8		
5-nitro-o-toluidine											<8		
7,12-dimethylbenz(a)anthracene											<8		
Acenaphthene											<8		
Acenaphthylene											<8		
Acetone	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile											<10		
Acetophenone											<8		
Acrolein											<10		
Acrylonitrile	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
Aldrin											<.05		
Alkalinity, as caco3													
Allyl chloride											<1		
Alpha-bhc											<.05		
Anthracene											<8		
Antimony, total	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016											<.2		
Arochlor 1221											<.2		
Arochlor 1232											<.2		
Arochlor 1242											<.2		
Arochlor 1248											<.2		
Arochlor 1254											<.2		
Arochlor 1260											<.2		
Arsenic, total	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene											<8		
Barium, total	183	363	165	268		118	235	111	203	116	241	186	242
Benzene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene											<8		
Benzo(a)pyrene											<8		
Benzo(b)fluoranthene											<8		
Benzo(g,h,i)perylene											<8		
Benzo(k)fluoranthene											<8		
Benzyl alcohol											<8		
Beryllium, total	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc											<.05		
Bis (2-chloroethoxy) methane											<8		
Bis(2-chloroethyl) ether											<8		
Bis(2-chloroisopropyl) ether											<8		
Bis(2-ethylhexyl) phthalate											<6		
Bromochloromethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate											<8		
Cadmium, total	<.8	<.8	<.8	<.8		<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8

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

Table 9

Analytical Data Summary for MW-91

Constituents	4/14/2025	10/6/2025
4,4´-ddt		
4,6-dinitro-2-methylphenol		
4-aminobiphenyl		
4-bromophenyl phenyl ether		
4-chloro-3-methylphenol		
4-chloroaniline		
4-chlorophenyl phenyl ether		
4-methyl-2-pentanone (mibk)	<5	<5
4-nitroaniline		
4-nitrophenol		
5-nitro-o-toluidine		
7,12-dimethylbenz(a)anthracene		
Acenaphthene		
Acenaphthylene		
Acetone	<10	<10
Acetonitrile		
Acetophenone		
Acrolein		
Acrylonitrile	<5	<5
Aldrin		
Alkalinity, as caco3		
Allyl chloride		
Alpha-bhc		
Anthracene		
Antimony, total	<1	<1
Arochlor 1016		
Arochlor 1221		
Arochlor 1232		
Arochlor 1242		
Arochlor 1248		
Arochlor 1254		
Arochlor 1260		
Arsenic, total	<2	<2
Azobenzene		
Barium, total	153	250
Benzene	<1	<1
Benzo(a)anthracene		
Benzo(a)pyrene		
Benzo(b)fluoranthene		
Benzo(g,h,i)perylene		
Benzo(k)fluoranthene		
Benzyl alcohol		
Beryllium, total	<.5	<.5
Beta-bhc		
Bis (2-chloroethoxy) methane		
Bis(2-chloroethyl) ether		
Bis(2-chloroisopropyl) ether		
Bis(2-ethylhexyl) phthalate		
Bromochloromethane	<1	<1
Bromodichloromethane	<1	<1
Bromoform	<1	<1
Bromomethane	<1	<1
Butyl benzyl phthalate		
Cadmium, total	<.2	<.2

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

Table 9

Analytical Data Summary for MW-91

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	7/11/2017	10/9/2017	1/9/2018	4/17/2018	7/2/2018	10/22/2018
Calcium, total	mg/L	119	140	132		120							
Carbon disulfide	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0		<1.0		<1.0
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Chlordane	ug/L												<.1
Chloride	mg/L	13	18	<10		17							
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Chlorobenzilate	ug/L												<8
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Chloroprene	ug/L												<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0		<8.0		<8.0		<8.0
Chrysene	ug/L												<8
Cis-1,2-dichloroethylene	ug/L	<1.0	1.5	<1.0	<1.0	<1.0	<1.0		<1.0		<1.0		<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8		<.8		<.8		<.8
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	4.6	<4.0	<4.0		<4.0		<4.0
Cyanide, total	mg/L												<.005
Delta-bhc	ug/L												<.05
Diallate	ug/L												<8
Dibenzo(a,h)anthracene	ug/L												<8
Dibenzofuran	ug/L												<8
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Dichlorodifluoromethane	ug/L												<1
Dieldrin	ug/L												<.05
Diethyl phthalate	ug/L												<8
Dimethoate	ug/L												<.4
Dimethylphthalate	ug/L												<8
Di-n-butyl phthalate	ug/L												<8
Di-n-octyl phthalate	ug/L												<8
Dinoseb	ug/L												<.5
Diphenylamine	ug/L												<8
Disulfoton	ug/L												<.4
Endosulfan i	ug/L												<.05
Endosulfan ii	ug/L												<.05
Endosulfan sulfate	ug/L												<.05
Endrin	ug/L												<.05
Endrin aldehyde	ug/L												<.05
Ethyl methacrylate	ug/L												<10
Ethyl methanesulfonate	ug/L												<8
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Famphur	ug/L												<.4
Fluoranthene	ug/L												<8
Fluorene	ug/L												<8
Gamma-bhc (lindane)	ug/L												<.05
Heptachlor	ug/L												<.05
Heptachlor epoxide	ug/L												<.05
Hexachlorobenzene	ug/L												<.05
Hexachlorobutadiene	ug/L												<8
Hexachlorocyclopentadiene	ug/L												<8
Hexachloroethane	ug/L												<8
Hexachloropropene	ug/L												<8
Indeno(1,2,3-cd)pyrene	ug/L												<8

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

Table 9

Analytical Data Summary for MW-91

Constituents	4/22/2019	10/23/2019	4/10/2020	10/19/2020	1/7/2021	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	11/9/2023	4/16/2024	10/15/2024
Calcium, total													
Carbon disulfide	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	2.6	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Chlordane											<.1		
Chloride													
Chlorobenzene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate											<8		
Chloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene											<1		
Chromium, total	<8.0	<8.0	<8.0	<8.0		<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene											<8		
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.4	<.4		<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4
Copper, total	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total											<.005		
Delta-bhc											<.05		
Diallate											<8		
Dibenzo(a,h)anthracene											<8		
Dibenzofuran											<8		
Dibromochloromethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane											<1		
Dieldrin											<.05		
Diethyl phthalate											<8		
Dimethoate											<.4		
Dimethylphthalate											<8		
Di-n-butyl phthalate											<8		
Di-n-octyl phthalate											<8		
Dinoseb											<.5		
Diphenylamine											<8		
Disulfoton											<.4		
Endosulfan i											<.05		
Endosulfan ii											<.05		
Endosulfan sulfate											<.05		
Endrin											<.05		
Endrin aldehyde											<.05		
Ethyl methacrylate											<10		
Ethyl methanesulfonate											<8		
Ethylbenzene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Famphur											<.4		
Fluoranthene											<8		
Fluorene											<8		
Gamma-bhc (lindane)											<.05		
Heptachlor											<.05		
Heptachlor epoxide											<.05		
Hexachlorobenzene											<.05		
Hexachlorobutadiene											<8		
Hexachlorocyclopentadiene											<8		
Hexachloroethane											<8		
Hexachloropropene											<8		
Indeno(1,2,3-cd)pyrene											<8		

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

Table 9

Analytical Data Summary for MW-91

Constituents	4/14/2025	10/6/2025
Calcium, total		
Carbon disulfide	<1.0	<1.0
Carbon tetrachloride	<1	<1
Chlordane		
Chloride		
Chlorobenzene	<1	<1
Chlorobenzilate		
Chloroethane	<1	<1
Chloroform	<1	<1
Chloromethane	<1	<1
Chloroprene		
Chromium, total	1.1	<1.0
Chrysene		
Cis-1,2-dichloroethylene	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1
Cobalt, total	<.5	<.5
Copper, total	<5.0	<5.0
Cyanide, total		
Delta-bhc		
Diallate		
Dibenzo(a,h)anthracene		
Dibenzofuran		
Dibromochloromethane	<1	<1
Dibromomethane	<1	<1
Dichlorodifluoromethane		
Dieldrin		
Diethyl phthalate		
Dimethoate		
Dimethylphthalate		
Di-n-butyl phthalate		
Di-n-octyl phthalate		
Dinoseb		
Diphenylamine		
Disulfoton		
Endosulfan i		
Endosulfan ii		
Endosulfan sulfate		
Endrin		
Endrin aldehyde		
Ethyl methacrylate		
Ethyl methanesulfonate		
Ethylbenzene	<1	<1
Famphur		
Fluoranthene		
Fluorene		
Gamma-bhc (lindane)		
Heptachlor		
Heptachlor epoxide		
Hexachlorobenzene		
Hexachlorobutadiene		
Hexachlorocyclopentadiene		
Hexachloroethane		
Hexachloropropene		
Indeno(1,2,3-cd)pyrene		

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

Table 9

Analytical Data Summary for MW-91

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	7/11/2017	10/9/2017	1/9/2018	4/17/2018	7/2/2018	10/22/2018
Isobutanol	mg/L												<1
Isodrin	ug/L												<8
Isophorone	ug/L												<8
Isosafrole	ug/L												<8
Kepone	ug/L												<8
Lead, total	ug/L	<4	<4	<4	<4	<4	<4		<4		<4		<4
Magnesium, total	mg/L	47.6	54.4	55.8		47.3							
Mercury, total	ug/L												<.5
Methacrylonitrile	ug/L												<1
Methapyrilene	ug/L												<8
Methoxychlor	ug/L												<.05
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Methyl methacrylate	ug/L												<1
Methyl methanesulfonate	ug/L												<8
Methyl parathion	ug/L												<.4
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5		<5		<5		<5
Naphthalene	ug/L												<8
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4		<4		<4		<4
Nitrobenzene	ug/L												<8
Nitrogen, ammonia	mg/L	<1	<1	<1		<1							
N-nitrosodiethylamine	ug/L												<8
N-nitrosodimethylamine	ug/L												<8
N-nitrosodi-n-butylamine	ug/L												<8
N-nitroso-di-n-propylamine	ug/L												<8
N-nitrosodiphenylamine	ug/L												<8
N-nitrosomethylethylamine	ug/L												<8
N-nitrosopiperidine	ug/L												<8
N-nitrosopyrrolidine	ug/L												<8
O,o,o-triethyl phosphorothioate	ug/L												<.4
O-toluidine	ug/L												<8
Parathion	ug/L												<.4
P-dimethylaminoazobenzene	ug/L												<8
Pentachlorobenzene	ug/L												<8
Pentachloronitrobenzene (pcnb)	ug/L												<8
Pentachlorophenol	ug/L												<8
Phenacetin	ug/L												<8
Phenanthrene	ug/L												<8
Phenol	ug/L												<8
Phorate	ug/L												<.4
Potassium, total	mg/L	<1.0	<1.0	<1.0		2.1							
Pronamide	ug/L												<8
Propionitrile	ug/L												<10
Pyrene	ug/L												<8
Safrole	ug/L												<8
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	6.5	<4.0	4.7	<4.0	5.6	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4		<4		<4		<4
Sodium, total	mg/L	8.3	8.0	8.1		7.2							
Solids, total dissolved	mg/L	537	477	577		464							
Solids, total suspended	mg/L	7	19										
Styrene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Sulfate	mg/L	10.9	8.4	7.1		8.7							
Sulfide, total	mg/L												<.1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0		<4.0		<4.0		<4.0

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

Table 9

Analytical Data Summary for MW-91

Constituents	4/22/2019	10/23/2019	4/10/2020	10/19/2020	1/7/2021	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	11/9/2023	4/16/2024	10/15/2024
Isobutanol											<1		
Isodrin											<8		
Isophorone											<8		
Isosafrole											<8		
Kepone											<8		
Lead, total	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total													
Mercury, total											<.5		
Methacrylonitrile											<1		
Methapyrilene											<8		
Methoxychlor											<.05		
Methyl iodide	<1	<1	<1	<1		<1	<1	<1	<1	<1	<2	<1	<1
Methyl methacrylate											<1		
Methyl methanesulfonate											<8		
Methyl parathion											<.4		
Methylene chloride	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene											<8		
Nickel, total	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4
Nitrobenzene											<8		
Nitrogen, ammonia													
N-nitrosodiethylamine											<8		
N-nitrosodimethylamine											<8		
N-nitrosodi-n-butylamine											<8		
N-nitroso-di-n-propylamine											<8		
N-nitrosodiphenylamine											<8		
N-nitrosomethylethylamine											<8		
N-nitrosopiperidine											<8		
N-nitrosopyrrolidine											<8		
O,o,o-triethyl phosphorothioate											<.4		
O-toluidine											<8		
Parathion											<.4		
P-dimethylaminoazobenzene											<8		
Pentachlorobenzene											<8		
Pentachloronitrobenzene (pcnb)											<8		
Pentachlorophenol											<8		
Phenacetin											<8		
Phenanthrene											<8		
Phenol											<8		
Phorate											<.4		
Potassium, total													
Pronamide											<8		
Propionitrile											<10		
Pyrene											<8		
Safrole											<8		
Selenium, total	<4.0	<4.0	<4.0	4.1	<4.0	5.3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4
Sodium, total													
Solids, total dissolved													
Solids, total suspended													
Styrene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Sulfate													
Sulfide, total											<.1		
Tetrachloroethylene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

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

Table 9

Analytical Data Summary for MW-91

Constituents	4/14/2025	10/6/2025
Isobutanol		
Isodrin		
Isophorone		
Isosafrole		
Kepone		
Lead, total	<1	<1
Magnesium, total		
Mercury, total		
Methacrylonitrile		
Methapyrilene		
Methoxychlor		
Methyl iodide	<1	<1
Methyl methacrylate		
Methyl methanesulfonate		
Methyl parathion		
Methylene chloride	<5	<5
Naphthalene		
Nickel, total	<5	<5
Nitrobenzene		
Nitrogen, ammonia		
N-nitrosodiethylamine		
N-nitrosodimethylamine		
N-nitrosodi-n-butylamine		
N-nitroso-di-n-propylamine		
N-nitrosodiphenylamine		
N-nitrosomethylethylamine		
N-nitrosopiperidine		
N-nitrosopyrrolidine		
O,o,o-triethyl phosphorothioate		
O-toluidine		
Parathion		
P-dimethylaminoazobenzene		
Pentachlorobenzene		
Pentachloronitrobenzene (pcnb)		
Pentachlorophenol		
Phenacetin		
Phenanthrene		
Phenol		
Phorate		
Potassium, total		
Pronamide		
Propionitrile		
Pyrene		
Safrole		
Selenium, total	5.0	<2.0
Silver, total	<5	<5
Sodium, total		
Solids, total dissolved		
Solids, total suspended		
Styrene	<1	<1
Sulfate		
Sulfide, total		
Tetrachloroethylene	<1	<1
Thallium, total	<.5	<.5

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

Table 9

Analytical Data Summary for MW-91

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	7/11/2017	10/9/2017	1/9/2018	4/17/2018	7/2/2018	10/22/2018
Thionazin	ug/L												<.4
Tin, total	ug/L												<20
Toluene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Toxaphene	ug/L												<.2
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5		<5		<5		<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20		<20		<20		<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5		<5		<5		<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1		<1		<1		<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2		<2		<2		<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	<8.0	<8.0		<8.0		<8.0		<20.0

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

Table 9

Analytical Data Summary for MW-91

Constituents	4/22/2019	10/23/2019	4/10/2020	10/19/2020	1/7/2021	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	11/9/2023	4/16/2024	10/15/2024
Thionazin											<.4		
Tin, total											<20		
Toluene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene											<.2		
Trans-1,2-dichloroethylene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20		<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	24.7	<20.0	<20.0		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-91

Constituents	4/14/2025	10/6/2025
Thionazin		
Tin, total		
Toluene	<1	<1
Toxaphene		
Trans-1,2-dichloroethylene	<1	<1
Trans-1,3-dichloropropene	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5
Trichloroethylene	<1	<1
Trichlorofluoromethane	<1	<1
Vanadium, total	<2	<2
Vinyl acetate	<5	<5
Vinyl chloride	<1	<1
Xylenes, total	<2	<2
Zinc, total	6.3	8.8

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

Table 9

Analytical Data Summary for MW-93

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
(3 4)-methylphenol	ug/L									<8			
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L									<1			
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L									<8			
1,2,4-trichlorobenzene	ug/L									<1			
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L									<8			
1,3,5-trinitrobenzene	ug/L									<8			
1,3-dichlorobenzene	ug/L									<1			
1,3-dichloropropane	ug/L									<1			
1,3-dinitrobenzene	ug/L									<8			
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L									<8			
1,4-phenylenediamine	ug/L									<8			
1-naphthylamine	ug/L									<8			
2,2-dichloropropane	ug/L									<1			
2,3,4,6-tetrachlorophenol	ug/L									<8			
2,4,5-t	ug/L									<.5			
2,4,5-tp (silvex)	ug/L									<.5			
2,4,5-trichlorophenol	ug/L									<8			
2,4,6-trichlorophenol	ug/L									<8			
2,4-d	ug/L									<2			
2,4-dichlorophenol	ug/L									<8			
2,4-dimethylphenol	ug/L									<8			
2,4-dinitrophenol	ug/L									<8			
2,4-dinitrotoluene	ug/L									<8			
2,6-dichlorophenol	ug/L									<8			
2,6-dinitrotoluene	ug/L									<8			
2-acetylaminofluorene	ug/L									<8			
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L									<8			
2-chlorophenol	ug/L									<8			
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L									<8			
2-methylphenol	ug/L									<8			
2-naphthylamine	ug/L									<8			
2-nitroaniline	ug/L									<8			
2-nitrophenol	ug/L									<8			
3,3´-dichlorobenzidine	ug/L									<8			
3,3'-dimethylbenzidine	ug/L									<8			
3-methylcholanthrene	ug/L									<8			
3-nitroaniline	ug/L									<8			
4,4´-ddd	ug/L									<.05			
4,4´-dde	ug/L									<.05			

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

Table 9

Analytical Data Summary for MW-93

Constituents	10/19/2020	4/5/2021	7/2/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
(3 4)-methylphenol								<8				
1,1,1,2-tetrachloroethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene								<1				
1,2,3-trichloropropane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene								<8				
1,2,4-trichlorobenzene								<1				
1,2-dibromo-3-chloropropane	<5	<5		<5	<5	<5	<5	<1	<5	<5	<5	<5
1,2-dibromoethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene								<8				
1,3,5-trinitrobenzene								<8				
1,3-dichlorobenzene								<1				
1,3-dichloropropane								<1				
1,3-dinitrobenzene								<8				
1,4-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone								<8				
1,4-phenylenediamine								<8				
1-naphthylamine								<8				
2,2-dichloropropane								<1				
2,3,4,6-tetrachlorophenol								<8				
2,4,5-t								<.5				
2,4,5-tp (silvex)								<.5				
2,4,5-trichlorophenol								<8				
2,4,6-trichlorophenol								<8				
2,4-d								<2				
2,4-dichlorophenol								<8				
2,4-dimethylphenol								<8				
2,4-dinitrophenol								<8				
2,4-dinitrotoluene								<8				
2,6-dichlorophenol								<8				
2,6-dinitrotoluene								<8				
2-acetylaminofluorene								<8				
2-butanone (mek)	<5	<5		<5	<10	<10	<10	<5	<10	<10	<10	<10
2-chloronaphthalene								<8				
2-chlorophenol								<8				
2-hexanone (mbk)	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene								<8				
2-methylphenol								<8				
2-naphthylamine								<8				
2-nitroaniline								<8				
2-nitrophenol								<8				
3,3´-dichlorobenzidine								<8				
3,3'-dimethylbenzidine								<8				
3-methylcholanthrene								<8				
3-nitroaniline								<8				
4,4´-ddd								<.05				
4,4´-dde								<.05				

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

Table 9

Analytical Data Summary for MW-93

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
4,4´-ddt	ug/L									<.05			
4,6-dinitro-2-methylphenol	ug/L									<8			
4-aminobiphenyl	ug/L									<8			
4-bromophenyl phenyl ether	ug/L									<8			
4-chloro-3-methylphenol	ug/L									<8			
4-chloroaniline	ug/L									<8			
4-chlorophenyl phenyl ether	ug/L									<8			
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L									<8			
4-nitrophenol	ug/L									<8			
5-nitro-o-toluidine	ug/L									<8			
7,12-dimethylbenz(a)anthracene	ug/L									<8			
Acenaphthene	ug/L									<8			
Acenaphthylene	ug/L									<8			
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L									<10			
Acetophenone	ug/L									<8			
Acrolein	ug/L									<10			
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L									<.05			
Alkalinity, as caco3	mg/L	497	476	476		440							
Allyl chloride	ug/L									<1			
Alpha-bhc	ug/L									<.05			
Anthracene	ug/L									<8			
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L									<.1			
Arochlor 1221	ug/L									<.2			
Arochlor 1232	ug/L									<.2			
Arochlor 1242	ug/L									<.2			
Arochlor 1248	ug/L									<.2			
Arochlor 1254	ug/L									<.1			
Arochlor 1260	ug/L									<.1			
Arsenic, total	ug/L	5.1	5.9	5.2	16.1	6.5	5.5	<4.0	5.4	18.4	67.3	13.6	17.5
Azobenzene	ug/L									<8			
Barium, total	ug/L	248	272	274	297	232	202	183	191	249	443	222	206
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L									<8			
Benzo(a)pyrene	ug/L									<8			
Benzo(b)fluoranthene	ug/L									<8			
Benzo(g,h,i)perylene	ug/L									<8			
Benzo(k)fluoranthene	ug/L									<8			
Benzyl alcohol	ug/L									<8			
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L									<.05			
Bis (2-chloroethoxy) methane	ug/L									<8			
Bis(2-chloroethyl) ether	ug/L									<8			
Bis(2-chloroisopropyl) ether	ug/L									<8			
Bis(2-ethylhexyl) phthalate	ug/L									<6			
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L									<8			
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8

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

Table 9

Analytical Data Summary for MW-93

Constituents	10/19/2020	4/5/2021	7/2/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
4,4´-ddt								<.05				
4,6-dinitro-2-methylphenol								<8				
4-aminobiphenyl								<8				
4-bromophenyl phenyl ether								<8				
4-chloro-3-methylphenol								<8				
4-chloroaniline								<8				
4-chlorophenyl phenyl ether								<8				
4-methyl-2-pentanone (mibk)	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline								<8				
4-nitrophenol								<8				
5-nitro-o-toluidine								<8				
7,12-dimethylbenz(a)anthracene								<8				
Acenaphthene								<8				
Acenaphthylene								<8				
Acetone	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile								<10				
Acetophenone								<8				
Acrolein								<10				
Acrylonitrile	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin								<.05				
Alkalinity, as caco3												
Allyl chloride								<1				
Alpha-bhc								<.05				
Anthracene								<8				
Antimony, total	<2	<2		<2	<2	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016								<.2				
Arochlor 1221								<.2				
Arochlor 1232								<.2				
Arochlor 1242								<.2				
Arochlor 1248								<.2				
Arochlor 1254								<.2				
Arochlor 1260								<.2				
Arsenic, total	4.8	10.5		11.4	11.1	58.5	9.3	59.6	11.9	15.2	10.4	19.8
Azobenzene								<8				
Barium, total	178	192		178	188	231	201	249	243	242	233	270
Benzene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene								<8				
Benzo(a)pyrene								<8				
Benzo(b)fluoranthene								<8				
Benzo(g,h,i)perylene								<8				
Benzo(k)fluoranthene								<8				
Benzyl alcohol								<8				
Beryllium, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc								<.05				
Bis (2-chloroethoxy) methane								<8				
Bis(2-chloroethyl) ether								<8				
Bis(2-chloroisopropyl) ether								<8				
Bis(2-ethylhexyl) phthalate								<6				
Bromochloromethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate								<8				
Cadmium, total	<.8	<.8		<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.2

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

Table 9

Analytical Data Summary for MW-93

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Calcium, total	mg/L	143	127	130		126							
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L									<.1			
Chloride	mg/L	<10.0	<10.0	<10.0		3.7							
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L									<8			
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L									<1			
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L									<8			
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	7.3	9.7	7.5	14.7	6.6	8.6	5.2	5.9	9.9	18.9	8.3	11.3
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L									<.005			
Delta-bhc	ug/L									<.05			
Diallate	ug/L									<8			
Dibenzo(a,h)anthracene	ug/L									<8			
Dibenzofuran	ug/L									<8			
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L									<1			
Dieldrin	ug/L									<.05			
Diethyl phthalate	ug/L									<8			
Dimethoate	ug/L									<.4			
Dimethylphthalate	ug/L									<8			
Di-n-butyl phthalate	ug/L									<8			
Di-n-octyl phthalate	ug/L									<8			
Dinoseb	ug/L									<.5			
Diphenylamine	ug/L									<8			
Disulfoton	ug/L									<.4			
Endosulfan i	ug/L									<.05			
Endosulfan ii	ug/L									<.05			
Endosulfan sulfate	ug/L									<.05			
Endrin	ug/L									<.05			
Endrin aldehyde	ug/L									<.05			
Ethyl methacrylate	ug/L									<10			
Ethyl methanesulfonate	ug/L									<8			
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L									<.4			
Fluoranthene	ug/L									<8			
Fluorene	ug/L									<8			
Gamma-bhc (lindane)	ug/L									<.05			
Heptachlor	ug/L									<.05			
Heptachlor epoxide	ug/L									<.05			
Hexachlorobenzene	ug/L									<.05			
Hexachlorobutadiene	ug/L									<8			
Hexachlorocyclopentadiene	ug/L									<8			
Hexachloroethane	ug/L									<8			
Hexachloropropene	ug/L									<8			
Indeno(1,2,3-cd)pyrene	ug/L									<8			

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

Table 9

Analytical Data Summary for MW-93

Constituents	10/19/2020	4/5/2021	7/2/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
Calcium, total												
Carbon disulfide	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane								<.1				
Chloride												
Chlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate								<8				
Chloroethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene								<1				
Chromium, total	<8.0	<8.0		<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.5	<1.0
Chrysene								<8				
Cis-1,2-dichloroethylene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	4.6	7.9		7.1	8.7	8.6	9.0	8.3	9.8	9.9	11.5	12.2
Copper, total	<4.0	8.5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Cyanide, total								<.005				
Delta-bhc								<.05				
Diallate								<8				
Dibenzo(a,h)anthracene								<8				
Dibenzofuran								<8				
Dibromochloromethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane								<1				
Dieldrin								<.05				
Diethyl phthalate								<8				
Dimethoate								<.4				
Dimethylphthalate								<8				
Di-n-butyl phthalate								<8				
Di-n-octyl phthalate								<8				
Dinoseb								<.5				
Diphenylamine								<8				
Disulfoton								<.4				
Endosulfan i								<.05				
Endosulfan ii								<.05				
Endosulfan sulfate								<.05				
Endrin								<.05				
Endrin aldehyde								<.05				
Ethyl methacrylate								<10				
Ethyl methanesulfonate								<8				
Ethylbenzene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur								<.4				
Fluoranthene								<8				
Fluorene								<8				
Gamma-bhc (lindane)								<.05				
Heptachlor								<.05				
Heptachlor epoxide								<.05				
Hexachlorobenzene								<.05				
Hexachlorobutadiene								<8				
Hexachlorocyclopentadiene								<8				
Hexachloroethane								<8				
Hexachloropropene								<8				
Indeno(1,2,3-cd)pyrene								<8				

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

Table 9

Analytical Data Summary for MW-93

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Isobutanol	mg/L									<1			
Isodrin	ug/L									<8			
Isophorone	ug/L									<8			
Isosafrole	ug/L									<8			
Kepone	ug/L									<8			
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total	mg/L	63.3	44.5	58.7		56.6							
Mercury, total	ug/L									<.5			
Methacrylonitrile	ug/L									<1			
Methapyrilene	ug/L									<8			
Methoxychlor	ug/L									<.05			
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L									<1			
Methyl methanesulfonate	ug/L									<8			
Methyl parathion	ug/L									<.4			
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L									<8			
Nickel, total	ug/L	34.6	42.6	36.0	26.5	31.8	27.3	28.2	26.2	35.7	24.2	26.3	18.1
Nitrobenzene	ug/L									<8			
Nitrogen, ammonia	mg/L	<1	<1	<1		<1							
N-nitrosodiethylamine	ug/L									<8			
N-nitrosodimethylamine	ug/L									<8			
N-nitrosodi-n-butylamine	ug/L									<8			
N-nitroso-di-n-propylamine	ug/L									<8			
N-nitrosodiphenylamine	ug/L									<8			
N-nitrosomethylethylamine	ug/L									<8			
N-nitrosopiperidine	ug/L									<8			
N-nitrosopyrrolidine	ug/L									<8			
O,o,o-triethyl phosphorothioate	ug/L									<.4			
O-toluidine	ug/L									<8			
Parathion	ug/L									<.4			
P-dimethylaminoazobenzene	ug/L									<8			
Pentachlorobenzene	ug/L									<8			
Pentachloronitrobenzene (pcnb)	ug/L									<8			
Pentachlorophenol	ug/L									<8			
Phenacetin	ug/L									<8			
Phenanthrene	ug/L									<8			
Phenol	ug/L									<8			
Phorate	ug/L									<.4			
Potassium, total	mg/L	8.0	<1.0	7.3		9.9							
Pronamide	ug/L									<8			
Propionitrile	ug/L									<10			
Pyrene	ug/L									<8			
Safrole	ug/L									<8			
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Sodium, total	mg/L	10.2	9.3	8.8		9.2							
Solids, total dissolved	mg/L	191	505	900		444							
Solids, total suspended	mg/L	2150	148										
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	35.4	36.0	39.0		33.0							
Sulfide, total	mg/L									<.1			
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0

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

Table 9

Analytical Data Summary for MW-93

Constituents	10/19/2020	4/5/2021	7/2/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
Isobutanol								<1				
Isodrin								<8				
Isophorone								<8				
Isosafrole								<8				
Kepone								<8				
Lead, total	<4	<4		<4	<4	<4	<4	<4	<4	<4	<1	<1
Magnesium, total												
Mercury, total								<.5				
Methacrylonitrile								<1				
Methapyrilene								<8				
Methoxychlor								<.05				
Methyl iodide	<1	<1		<1	<1	<1	<1	<2	<1	<1	<1	<1
Methyl methacrylate								<1				
Methyl methanesulfonate								<8				
Methyl parathion								<.4				
Methylene chloride	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene								<8				
Nickel, total	27.6	23.1		21.3	20.2	27.9	31.8	28.8	25.5	27.1	28.3	39.4
Nitrobenzene								<8				
Nitrogen, ammonia												
N-nitrosodiethylamine								<8				
N-nitrosodimethylamine								<8				
N-nitrosodi-n-butylamine								<8				
N-nitroso-di-n-propylamine								<8				
N-nitrosodiphenylamine								<8				
N-nitrosomethylethylamine								<8				
N-nitrosopiperidine								<8				
N-nitrosopyrrolidine								<8				
O,o,o-triethyl phosphorothioate								<.4				
O-toluidine								<8				
Parathion								<.4				
P-dimethylaminoazobenzene								<8				
Pentachlorobenzene								<8				
Pentachloronitrobenzene (pcnb)								<8				
Pentachlorophenol								<8				
Phenacetin								<8				
Phenanthrene								<8				
Phenol								<8				
Phorate								<.4				
Potassium, total												
Pronamide								<8				
Propionitrile								<10				
Pyrene								<8				
Safrole								<8				
Selenium, total	<4	<4		<4	<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4		<4	<4	<4	<4	<4	<4	<4	<5	<5
Sodium, total												
Solids, total dissolved												
Solids, total suspended												
Styrene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate												
Sulfide, total								<.1				
Tetrachloroethylene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5

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

Table 9

Analytical Data Summary for MW-93

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Thionazin	ug/L									<.4			
Tin, total	ug/L									<20			
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L									<.2			
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<20.0	<20.0	34.2	<20.0

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

Table 9

Analytical Data Summary for MW-93

Constituents	10/19/2020	4/5/2021	7/2/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
Thionazin								<.4				
Tin, total								<20				
Toluene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene								<.2				
Trans-1,2-dichloroethylene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20		<20	<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0		<20.0	<20.0	<20.0	<20.0	<20.0	21.4	<20.0	8.7	10.4

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

Table 9

Analytical Data Summary for MW-94

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
(3 4)-methylphenol	ug/L							<8					
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	16.1	11.3	8.2	8.6	9.8	7.7	8.3	5.7	6.0	5.4	4.3	3.5
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L							<1					
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L							<8					
1,2,4-trichlorobenzene	ug/L							<1					
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1.0	<1.0	1.1	<1.0	1.9	1.4	1.5	1.3	<1.0	<1.0	<1.0	<1.0
1,2-dichloropropane	ug/L	3.8	<1.0	2.4	<1.0	2.8	2.7	3.2	2.9	4.5	3.0	2.4	2.2
1,2-dinitrobenzene	ug/L							<8					
1,3,5-trinitrobenzene	ug/L							<8					
1,3-dichlorobenzene	ug/L							<1					
1,3-dichloropropane	ug/L							<1					
1,3-dinitrobenzene	ug/L							<8					
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L							<8					
1,4-phenylenediamine	ug/L							<8					
1-naphthylamine	ug/L							<8					
2,2-dichloropropane	ug/L							<1					
2,3,4,6-tetrachlorophenol	ug/L							<8					
2,4,5-t	ug/L							<.5					
2,4,5-tp (silvex)	ug/L							<.5					
2,4,5-trichlorophenol	ug/L							<8					
2,4,6-trichlorophenol	ug/L							<8					
2,4-d	ug/L							<2					
2,4-dichlorophenol	ug/L							<8					
2,4-dimethylphenol	ug/L							<8					
2,4-dinitrophenol	ug/L							<8					
2,4-dinitrotoluene	ug/L							<8					
2,6-dichlorophenol	ug/L							<8					
2,6-dinitrotoluene	ug/L							<8					
2-acetylaminofluorene	ug/L							<8					
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L							<8					
2-chlorophenol	ug/L							<8					
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L							<8					
2-methylphenol	ug/L							<8					
2-naphthylamine	ug/L							<8					
2-nitroaniline	ug/L							<8					
2-nitrophenol	ug/L							<8					
3,3´-dichlorobenzidine	ug/L							<8					
3,3'-dimethylbenzidine	ug/L							<8					
3-methylcholanthrene	ug/L							<8					
3-nitroaniline	ug/L							<8					
4,4´-ddd	ug/L							<.05					
4,4´-dde	ug/L							<.05					

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

Table 9

Analytical Data Summary for MW-94

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
(3 4)-methylphenol											
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	3.8	1.8	2.6	1.9	2.4	1.6	2.4	1.3	1.0	1.1	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene											
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene											
1,2,4-trichlorobenzene											
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dichloropropane	2.7	1.6	2.2	1.7	2.1	1.4	2.2	1.1	1.0	<1.0	<1.0
1,2-dinitrobenzene											
1,3,5-trinitrobenzene											
1,3-dichlorobenzene											
1,3-dichloropropane											
1,3-dinitrobenzene											
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone											
1,4-phenylenediamine											
1-naphthylamine											
2,2-dichloropropane											
2,3,4,6-tetrachlorophenol											
2,4,5-t											
2,4,5-tp (silvex)											
2,4,5-trichlorophenol											
2,4,6-trichlorophenol											
2,4-d											
2,4-dichlorophenol											
2,4-dimethylphenol											
2,4-dinitrophenol											
2,4-dinitrotoluene											
2,6-dichlorophenol											
2,6-dinitrotoluene											
2-acetylaminofluorene											
2-butanone (mek)	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10
2-chloronaphthalene											
2-chlorophenol											
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene											
2-methylphenol											
2-naphthylamine											
2-nitroaniline											
2-nitrophenol											
3,3´-dichlorobenzidine											
3,3'-dimethylbenzidine											
3-methylcholanthrene											
3-nitroaniline											
4,4´-ddd											
4,4´-dde											

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Table 9

Analytical Data Summary for MW-94

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
4,4´-ddt	ug/L							<.05					
4,6-dinitro-2-methylphenol	ug/L							<8					
4-aminobiphenyl	ug/L							<8					
4-bromophenyl phenyl ether	ug/L							<8					
4-chloro-3-methylphenol	ug/L							<8					
4-chloroaniline	ug/L							<8					
4-chlorophenyl phenyl ether	ug/L							<8					
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L							<8					
4-nitrophenol	ug/L							<8					
5-nitro-o-toluidine	ug/L							<8					
7,12-dimethylbenz(a)anthracene	ug/L							<8					
Acenaphthene	ug/L							<8					
Acenaphthylene	ug/L							<8					
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	38.8	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile	ug/L							<10					
Acetophenone	ug/L							<8					
Acrolein	ug/L							<10					
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L							<.05					
Alkalinity, as caco3	mg/L	836	890	828		842							919
Allyl chloride	ug/L							<1					
Alpha-bhc	ug/L							<.05					
Anthracene	ug/L							<8					
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L							<.1					
Arochlor 1221	ug/L							<.2					
Arochlor 1232	ug/L							<.2					
Arochlor 1242	ug/L							<.2					
Arochlor 1248	ug/L							<.2					
Arochlor 1254	ug/L							<.1					
Arochlor 1260	ug/L							<.1					
Arsenic, total	ug/L	10.4	7.3	8.1	9.1	27.7	11.6	21.1	28.0	6.4	18.6	13.4	26.4
Azobenzene	ug/L							<8					
Barium, total	ug/L	316	383	367	342	576	322	401	452	504	388	374	366
Benzene	ug/L	4.2	2.6	3.2	3.5	4.5	2.8	3.6	2.4	3.5	2.5	2.3	2.2
Benzo(a)anthracene	ug/L							<8					
Benzo(a)pyrene	ug/L							<8					
Benzo(b)fluoranthene	ug/L							<8					
Benzo(g,h,i)perylene	ug/L							<8					
Benzo(k)fluoranthene	ug/L							<8					
Benzyl alcohol	ug/L							<8					
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L							<.05					
Bis (2-chloroethoxy) methane	ug/L							<8					
Bis(2-chloroethyl) ether	ug/L							<8					
Bis(2-chloroisopropyl) ether	ug/L							<8					
Bis(2-ethylhexyl) phthalate	ug/L	<10	<10	<10	<10	<10	<10	<6					
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L							<8					
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8

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

Table 9

Analytical Data Summary for MW-94

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
4,4´-ddt											
4,6-dinitro-2-methylphenol											
4-aminobiphenyl											
4-bromophenyl phenyl ether											
4-chloro-3-methylphenol											
4-chloroaniline											
4-chlorophenyl phenyl ether											
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline											
4-nitrophenol											
5-nitro-o-toluidine											
7,12-dimethylbenz(a)anthracene											
Acenaphthene											
Acenaphthylene											
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	15.6	<10.0	<10.0	<10.0	<10.0
Acetonitrile											
Acetophenone											
Acrolein											
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin											
Alkalinity, as caco3		904		923		775		698	752	710	
Allyl chloride											
Alpha-bhc											
Anthracene											
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016											
Arochlor 1221											
Arochlor 1232											
Arochlor 1242											
Arochlor 1248											
Arochlor 1254											
Arochlor 1260											
Arsenic, total	27.6	43.9	25.3	51.5	31.5	68.7	28.1	95.9	75.8	93.9	66.4
Azobenzene											
Barium, total	332	414	401	401	356	370	413	308	305	290	256
Benzene	2.4	1.6	1.6	2.1	2.1	1.9	1.7	2.0	1.8	1.4	1.8
Benzo(a)anthracene											
Benzo(a)pyrene											
Benzo(b)fluoranthene											
Benzo(g,h,i)perylene											
Benzo(k)fluoranthene											
Benzyl alcohol											
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc											
Bis (2-chloroethoxy) methane											
Bis(2-chloroethyl) ether											
Bis(2-chloroisopropyl) ether											
Bis(2-ethylhexyl) phthalate											
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate											
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.2

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

Table 9

Analytical Data Summary for MW-94

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Calcium, total	mg/L	188	207	190		214							
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L							<.1					
Chloride	mg/L	<10.0	<10.0	<10.0		7.3							
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L							<8					
Chloroethane	ug/L	16.4	13.0	9.5	9.2	11.8	8.9	8.6	5.6	5.2	5.4	6.0	4.4
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L							<1					
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L							<8					
Cis-1,2-dichloroethylene	ug/L	144.0	102.0	88.2	89.5	63.0	43.3	56.4	28.6	27.4	30.2	23.0	21.4
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	21.9	22.1	18.1	28.4	46.5	30.9	38.4	32.6	30.9	24.7	27.5	28.1
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L							<.005					
Delta-bhc	ug/L							<.05					
Diallate	ug/L							<8					
Dibenzo(a,h)anthracene	ug/L							<8					
Dibenzofuran	ug/L							<8					
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L							<1					
Dieldrin	ug/L							<.05					
Diethyl phthalate	ug/L							<8					
Dimethoate	ug/L							<.4					
Dimethylphthalate	ug/L							<8					
Di-n-butyl phthalate	ug/L							<8					
Di-n-octyl phthalate	ug/L							<8					
Dinoseb	ug/L							<.5					
Diphenylamine	ug/L							<8					
Disulfoton	ug/L							<.4					
Endosulfan i	ug/L							<.05					
Endosulfan ii	ug/L							<.05					
Endosulfan sulfate	ug/L							<.05					
Endrin	ug/L							<.05					
Endrin aldehyde	ug/L							<.05					
Ethane	ug/L												<10
Ethene	ug/L												<10
Ethyl methacrylate	ug/L							<10					
Ethyl methanesulfonate	ug/L							<8					
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L							<.4					
Fluoranthene	ug/L							<8					
Fluorene	ug/L							<8					
Gamma-bhc (lindane)	ug/L							<.05					
Heptachlor	ug/L							<.05					
Heptachlor epoxide	ug/L							<.05					
Hexachlorobenzene	ug/L							<.05					
Hexachlorobutadiene	ug/L							<8					
Hexachlorocyclopentadiene	ug/L							<8					
Hexachloroethane	ug/L							<8					

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

Table 9

Analytical Data Summary for MW-94

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Calcium, total											
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane											
Chloride											
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate											
Chloroethane	5.2	3.7	4.0	4.6	4.7	4.0	4.5	4.3	3.0	3.2	4.2
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene											
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8	<1	<1
Chrysene											
Cis-1,2-dichloroethylene	27.4	13.2	25.1	18.2	29.4	11.4	29.4	5.2	6.0	3.5	2.3
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	23.2	21.0	23.7	19.9	25.4	17.0	17.2	10.2	8.8	6.5	8.3
Copper, total	<4.0	<4.0	<4.0	5.2	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Cyanide, total											
Delta-bhc											
Diallate											
Dibenzo(a,h)anthracene											
Dibenzofuran											
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane											
Dieldrin											
Diethyl phthalate											
Dimethoate											
Dimethylphthalate											
Di-n-butyl phthalate											
Di-n-octyl phthalate											
Dinoseb											
Diphenylamine											
Disulfoton											
Endosulfan i											
Endosulfan ii											
Endosulfan sulfate											
Endrin											
Endrin aldehyde											
Ethane		<10							<5		
Ethene		<10							<5		
Ethyl methacrylate											
Ethyl methanesulfonate											
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur											
Fluoranthene											
Fluorene											
Gamma-bhc (lindane)											
Heptachlor											
Heptachlor epoxide											
Hexachlorobenzene											
Hexachlorobutadiene											
Hexachlorocyclopentadiene											
Hexachloroethane											

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

Table 9

Analytical Data Summary for MW-94

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Hexachloropropene	ug/L							<8					
Indeno(1,2,3-cd)pyrene	ug/L							<8					
Isobutanol	mg/L							<1					
Isodrin	ug/L							<8					
Isophorone	ug/L							<8					
Isosafrole	ug/L							<8					
Kepone	ug/L							<8					
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total	mg/L	80.0	83.9	84.5		87.4							
Mercury, total	ug/L							<.5					
Methacrylonitrile	ug/L							<1					
Methane	ug/L												4440
Methapyrilene	ug/L							<8					
Methoxychlor	ug/L							<.05					
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L							<1					
Methyl methanesulfonate	ug/L							<8					
Methyl parathion	ug/L							<.4					
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L							<8					
Nickel, total	ug/L	21.4	20.8	20.8	24.0	35.8	20.9	36.2	20.9	24.6	19.3	23.9	20.8
Nitrobenzene	ug/L							<8					
Nitrogen, ammonia	mg/L	<1	<1	<1		<1							
N-nitrosodiethylamine	ug/L							<8					
N-nitrosodimethylamine	ug/L							<8					
N-nitrosodi-n-butylamine	ug/L							<8					
N-nitroso-di-n-propylamine	ug/L							<8					
N-nitrosodiphenylamine	ug/L							<8					
N-nitrosomethylethylamine	ug/L							<8					
N-nitrosopiperidine	ug/L							<8					
N-nitrosopyrrolidine	ug/L							<8					
O,o,o-triethyl phosphorothioate	ug/L							<.4					
O-toluidine	ug/L							<8					
Parathion	ug/L							<.4					
P-dimethylaminoazobenzene	ug/L							<8					
Pentachlorobenzene	ug/L							<8					
Pentachloronitrobenzene (pcnb)	ug/L							<8					
Pentachlorophenol	ug/L							<8					
pH	pH												6.6
Phenacetin	ug/L							<8					
Phenanthrene	ug/L							<8					
Phenol	ug/L							<8					
Phorate	ug/L							<.4					
Potassium, total	mg/L	<1	<1	<1		<1							
Pronamide	ug/L							<8					
Propionitrile	ug/L							<10					
Pyrene	ug/L							<8					
Safrole	ug/L							<8					
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Sodium, total	mg/L	21.5	20.6	12.7		14.9							
Solids, total dissolved	mg/L	797	800	804		781							
Solids, total suspended	mg/L	49	29										
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-94

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Hexachloropropene											
Indeno(1,2,3-cd)pyrene											
Isobutanol											
Isodrin											
Isophorone											
Isosafrole											
Kepone											
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<1	<1
Magnesium, total											
Mercury, total											
Methacrylonitrile											
Methane		10500							1380		
Methapyrilene											
Methoxychlor											
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate											
Methyl methanesulfonate											
Methyl parathion											
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene											
Nickel, total	20.8	13.5	16.1	12.4	18.0	12.0	9.6	9.2	7.4	6.2	7.5
Nitrobenzene											
Nitrogen, ammonia											
N-nitrosodiethylamine											
N-nitrosodimethylamine											
N-nitrosodi-n-butylamine											
N-nitroso-di-n-propylamine											
N-nitrosodiphenylamine											
N-nitrosomethylethylamine											
N-nitrosopiperidine											
N-nitrosopyrrolidine											
O,o,o-triethyl phosphorothioate											
O-toluidine											
Parathion											
P-dimethylaminoazobenzene											
Pentachlorobenzene											
Pentachloronitrobenzene (pcnb)											
Pentachlorophenol											
pH		6.6		6.5		6.5		6.6	6.4	6.6	
Phenacetin											
Phenanthrene											
Phenol											
Phorate											
Potassium, total											
Pronamide											
Propionitrile											
Pyrene											
Safrole											
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5	<5
Sodium, total											
Solids, total dissolved											
Solids, total suspended											
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-94

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Sulfate	mg/L	21.5	20.0	18.3		18.6							
Sulfide, total	mg/L							<.1					
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0
Thionazin	ug/L							<.4					
Tin, total	ug/L							<20					
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L							<.2					
Trans-1,2-dichloroethylene	ug/L	1.2	1.2	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	2.0	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	6.2	4.5	3.6	2.9	2.6	3.2	2.0	2.0	2.2	1.7	<1.0	1.1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	8.4	<20.0	<20.0	29.7	<20.0

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

Table 9

Analytical Data Summary for MW-94

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Sulfate											
Sulfide, total											
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin											
Tin, total											
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene											
Trans-1,2-dichloroethylene	1.2	<1.0	<1.0	<1.0	1.2	<1.0	1.6	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	1.1	<1.0	<1.0	<1.0	1.2	2.1	2.0	2.2	2.0	2.2	4.5
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	20.3	<5.0	<5.0

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

Table 9

Analytical Data Summary for MW-95

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, as caco3	mg/L	418	373	373		358							
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	37.1	38.5	34.1	40.3	32.1	52.1	35.6	40.5	36.9	40.0	37.8	39.9
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Calcium, total	mg/L	163	178	144		170							
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride	mg/L	<10	<10	<10		<1							
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.4
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total	mg/L	42.5	43.8	39.2		41.6							
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Nitrogen, ammonia	mg/L	<1	<1	<1		<1							
Potassium, total	mg/L	3.0	2.9	3.0		3.2							
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4

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

Table 9

Analytical Data Summary for MW-95

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	1/25/2024	4/17/2024	10/15/2024	4/14/2025	10/6/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<10	<10	<10	<10		<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.7	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
Alkalinity, as caco3												
Antimony, total	<2	<2	<2	<2	<2	<2	<2		<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<4	<4	<4		<4	<4	<2	<2
Barium, total	33.6	41.9	30.5	30.3	31.4	39.6	29.3		42.7	32.3	33.6	27.7
Benzene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<.5	<.5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8		<.8	<.8	<.2	<.2
Calcium, total												
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Chloride												
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	
Chloroform	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	
Chromium, total	<8	<8	<8	<8	<8	<8	<8		<8	<8	<1	<1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	.4	<.4	.4	<.4		<.4	<.4	<.5	<.5
Copper, total	<4	<4	<4	<4	<4	<4	<4		<4	<4	<5	<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4		<4	<4	<1	<1
Magnesium, total												
Methyl iodide	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	
Methylene chloride	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4	<4		<4	<4	<5	<5
Nitrogen, ammonia												
Potassium, total												
Selenium, total	<4	<4	<4	<4	<4	<4	<4		<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4		<4	<4	<5	<5

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

Table 9

Analytical Data Summary for MW-95

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Sodium, total	mg/L	14.8	14.8	12.8		14.2							
Solids, total dissolved	mg/L	691	713	691		668							
Solids, total suspended	mg/L	3	4										
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	318	239	241		235							
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	31.5	<20.0	26.5	<20.0

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

Table 9

Analytical Data Summary for MW-95

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	1/25/2024	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Sodium, total												
Solids, total dissolved												
Solids, total suspended												
Styrene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Sulfate												
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	
Vanadium, total	<20	<20	<20	<20	<20	<20	<20		<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	
Xylenes, total	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0	<20.0	7.6	5.7

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

Table 9

Analytical Data Summary for MW-96

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
(3 4)-methylphenol	ug/L							<8					
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L							<1					
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L							<8					
1,2,4-trichlorobenzene	ug/L							<1					
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L							<8					
1,3,5-trinitrobenzene	ug/L							<8					
1,3-dichlorobenzene	ug/L							<1					
1,3-dichloropropane	ug/L							<1					
1,3-dinitrobenzene	ug/L							<8					
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L							<8					
1,4-phenylenediamine	ug/L							<8					
1-naphthylamine	ug/L							<8					
2,2-dichloropropane	ug/L							<1					
2,3,4,6-tetrachlorophenol	ug/L							<8					
2,4,5-t	ug/L							<.5					
2,4,5-tp (silvex)	ug/L							<.5					
2,4,5-trichlorophenol	ug/L							<8					
2,4,6-trichlorophenol	ug/L							<8					
2,4-d	ug/L							<2					
2,4-dichlorophenol	ug/L							<8					
2,4-dimethylphenol	ug/L							<8					
2,4-dinitrophenol	ug/L							<8					
2,4-dinitrotoluene	ug/L							<8					
2,6-dichlorophenol	ug/L							<8					
2,6-dinitrotoluene	ug/L							<8					
2-acetylaminofluorene	ug/L							<8					
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L							<8					
2-chlorophenol	ug/L							<8					
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L							<8					
2-methylphenol	ug/L							<8					
2-naphthylamine	ug/L							<8					
2-nitroaniline	ug/L							<8					
2-nitrophenol	ug/L							<8					
3,3´-dichlorobenzidine	ug/L							<8					
3,3'-dimethylbenzidine	ug/L							<8					
3-methylcholanthrene	ug/L							<8					
3-nitroaniline	ug/L							<8					
4,4´-ddd	ug/L							<.05					
4,4´-dde	ug/L							<.05					

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

Table 9

Analytical Data Summary for MW-96

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
4,4´-ddt	ug/L							<.05					
4,6-dinitro-2-methylphenol	ug/L							<8					
4-aminobiphenyl	ug/L							<8					
4-bromophenyl phenyl ether	ug/L							<8					
4-chloro-3-methylphenol	ug/L							<8					
4-chloroaniline	ug/L							<8					
4-chlorophenyl phenyl ether	ug/L							<8					
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L							<8					
4-nitrophenol	ug/L							<8					
5-nitro-o-toluidine	ug/L							<8					
7,12-dimethylbenz(a)anthracene	ug/L							<8					
Acenaphthene	ug/L							<8					
Acenaphthylene	ug/L							<8					
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L							<10					
Acetophenone	ug/L							<8					
Acrolein	ug/L							<10					
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L							<.05					
Alkalinity, as caco3	mg/L	584	476	476		548							
Allyl chloride	ug/L							<1					
Alpha-bhc	ug/L							<.05					
Anthracene	ug/L							<8					
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L							<.1					
Arochlor 1221	ug/L							<.2					
Arochlor 1232	ug/L							<.2					
Arochlor 1242	ug/L							<.2					
Arochlor 1248	ug/L							<.2					
Arochlor 1254	ug/L							<.1					
Arochlor 1260	ug/L							<.1					
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene	ug/L							<8					
Barium, total	ug/L	588	617	577	540	540	486	495	491	502	514	513	535
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L							<8					
Benzo(a)pyrene	ug/L							<8					
Benzo(b)fluoranthene	ug/L							<8					
Benzo(g,h,i)perylene	ug/L							<8					
Benzo(k)fluoranthene	ug/L							<8					
Benzyl alcohol	ug/L							<8					
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Beta-bhc	ug/L							<.05					
Bis (2-chloroethoxy) methane	ug/L							<8					
Bis(2-chloroethyl) ether	ug/L							<8					
Bis(2-chloroisopropyl) ether	ug/L							<8					
Bis(2-ethylhexyl) phthalate	ug/L	<10	<10	<10	<10	<10	<10	<6					
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L							<8					
Cadmium, total	ug/L	.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8

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

Table 9

Analytical Data Summary for MW-96

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Calcium, total	mg/L	192	173	165		182							
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L							<.1					
Chloride	mg/L	85.0	107.0	84.0		94.9							
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L							<8					
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L							<1					
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L							<8					
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	6.0	3.6	4.7	1.8	4.4	2.1	4.4	1.0	2.6	2.2	3.0	3.5
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total	mg/L							<.005					
Delta-bhc	ug/L							<.05					
Diallate	ug/L							<8					
Dibenzo(a,h)anthracene	ug/L							<8					
Dibenzofuran	ug/L							<8					
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L							<1					
Dieldrin	ug/L							<.05					
Diethyl phthalate	ug/L							<8					
Dimethoate	ug/L							<.4					
Dimethylphthalate	ug/L							<8					
Di-n-butyl phthalate	ug/L							<8					
Di-n-octyl phthalate	ug/L							<8					
Dinoseb	ug/L							<.5					
Diphenylamine	ug/L							<8					
Disulfoton	ug/L							<.4					
Endosulfan i	ug/L							<.05					
Endosulfan ii	ug/L							<.05					
Endosulfan sulfate	ug/L							<.05					
Endrin	ug/L							<.05					
Endrin aldehyde	ug/L							<.05					
Ethyl methacrylate	ug/L							<10					
Ethyl methanesulfonate	ug/L							<8					
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L							<.4					
Fluoranthene	ug/L							<8					
Fluorene	ug/L							<8					
Gamma-bhc (lindane)	ug/L							<.05					
Heptachlor	ug/L							<.05					
Heptachlor epoxide	ug/L							<.05					
Hexachlorobenzene	ug/L							<.05					
Hexachlorobutadiene	ug/L							<8					
Hexachlorocyclopentadiene	ug/L							<8					
Hexachloroethane	ug/L							<8					
Hexachloropropene	ug/L							<8					
Indeno(1,2,3-cd)pyrene	ug/L							<8					

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

Table 9

Analytical Data Summary for MW-96

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Isobutanol	mg/L							<1					
Isodrin	ug/L							<8					
Isophorone	ug/L							<8					
Isosafrole	ug/L							<8					
Kepone	ug/L							<8					
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total	mg/L	68.7	59.6	62.2		63.0							
Mercury, total	ug/L							<.5					
Methacrylonitrile	ug/L							<1					
Methapyrilene	ug/L							<8					
Methoxychlor	ug/L							<.05					
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L							<1					
Methyl methanesulfonate	ug/L							<8					
Methyl parathion	ug/L							<.4					
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L							<8					
Nickel, total	ug/L	14.8	14.7	10.6	13.1	13.4	14.1	11.7	10.6	11.6	13.0	9.5	12.8
Nitrobenzene	ug/L							<8					
Nitrogen, ammonia	mg/L	<1	<1	<1		<1							
N-nitrosodiethylamine	ug/L							<8					
N-nitrosodimethylamine	ug/L							<8					
N-nitrosodi-n-butylamine	ug/L							<8					
N-nitroso-di-n-propylamine	ug/L							<8					
N-nitrosodiphenylamine	ug/L							<8					
N-nitrosomethylethylamine	ug/L							<8					
N-nitrosopiperidine	ug/L							<8					
N-nitrosopyrrolidine	ug/L							<8					
O,o,o-triethyl phosphorothioate	ug/L							<.4					
O-toluidine	ug/L							<8					
Parathion	ug/L							<.4					
P-dimethylaminoazobenzene	ug/L							<8					
Pentachlorobenzene	ug/L							<8					
Pentachloronitrobenzene (pcnb)	ug/L							<8					
Pentachlorophenol	ug/L							<8					
Phenacetin	ug/L							<8					
Phenanthrene	ug/L							<8					
Phenol	ug/L							<8					
Phorate	ug/L							<.4					
Potassium, total	mg/L	1.8	1.6	1.8		1.6							
Pronamide	ug/L							<8					
Propionitrile	ug/L							<10					
Pyrene	ug/L							<8					
Safrole	ug/L							<8					
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Sodium, total	mg/L	19.0	17.2	16.4		17.1							
Solids, total dissolved	mg/L	904	735	828		807							
Solids, total suspended	mg/L	24	23										
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	108.0	85.7	78.9		66.3							
Sulfide, total	mg/L							<.1					
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4	<4	<1	<4	<4	<4	<4	<4	<4	<2	<2	<2

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

Table 9

Analytical Data Summary for MW-96

Constituents	Units	10/16/2014	4/6/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Thionazin	ug/L							<.4					
Tin, total	ug/L							<20					
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L							<.2					
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20	<8	<8	<8	<8	<8	<8	<8	<20	<20	<20	<20

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

Table 9

Analytical Data Summary for MW-96R

Constituents	Units	4/5/2021	7/2/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	7/7/2023	7/20/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
(3 4)-methylphenol	ug/L			<8		<8								
1,1,1,2-tetrachloroethane	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
1,1,1-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-dichloroethylene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L			<1		<1								
1,2,3-trichloropropane	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L			<8		<8								
1,2,4-trichlorobenzene	ug/L			<1		<1								
1,2-dibromo-3-chloropropane	ug/L	<5		<1	<5	<1	<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
1,2-dinitrobenzene	ug/L			<8		<8								
1,3,5-trinitrobenzene	ug/L			<8		<8								
1,3-dichlorobenzene	ug/L			<1		<1								
1,3-dichloropropane	ug/L			<1		<1								
1,3-dinitrobenzene	ug/L			<8		<8								
1,4-dichlorobenzene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L			<8		<8								
1,4-phenylenediamine	ug/L			<8		<8								
1-naphthylamine	ug/L			<8		<8								
2,2-dichloropropane	ug/L			<1		<1								
2,3,4,6-tetrachlorophenol	ug/L			<8		<8								
2,4,5-t	ug/L			<.5		<.5								
2,4,5-tp (silvex)	ug/L			<.5		<.5								
2,4,5-trichlorophenol	ug/L			<8		<8								
2,4,6-trichlorophenol	ug/L			<8		<8								
2,4-d	ug/L			<2		<2								
2,4-dichlorophenol	ug/L			<8		<8								
2,4-dimethylphenol	ug/L			<8		<8								
2,4-dinitrophenol	ug/L			<8		<8								
2,4-dinitrotoluene	ug/L			<8		<8								
2,6-dichlorophenol	ug/L			<8		<8								
2,6-dinitrotoluene	ug/L			<8		<8								
2-acetylaminofluorene	ug/L			<8		<8								
2-butanone (mek)	ug/L	<5		<5	<10	<5	<10			<10	<10	<10	<10	<10
2-chloronaphthalene	ug/L			<8		<8								
2-chlorophenol	ug/L			<8		<8								
2-hexanone (mbk)	ug/L	<5		<5	<5	<5	<5			<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L			<8		<8								
2-methylphenol	ug/L			<8		<8								
2-naphthylamine	ug/L			<8		<8								
2-nitroaniline	ug/L			<8		<8								
2-nitrophenol	ug/L			<8		<8								
3,3´-dichlorobenzidine	ug/L			<8		<8								
3,3'-dimethylbenzidine	ug/L			<8		<8								
3-methylcholanthrene	ug/L			<8		<8								
3-nitroaniline	ug/L			<8		<8								
4,4´-ddd	ug/L			<.05		<.06								
4,4´-dde	ug/L			<.05		<.06								

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

Table 9

Analytical Data Summary for MW-96R

Constituents	Units	4/5/2021	7/2/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	7/7/2023	7/20/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
4,4´-ddt	ug/L			<.05		<.06								
4,6-dinitro-2-methylphenol	ug/L			<8		<8								
4-aminobiphenyl	ug/L			<8		<8								
4-bromophenyl phenyl ether	ug/L			<8		<8								
4-chloro-3-methylphenol	ug/L			<8		<8								
4-chloroaniline	ug/L			<8		<8								
4-chlorophenyl phenyl ether	ug/L			<8		<8								
4-methyl-2-pentanone (mibk)	ug/L	<5		<5	<5	<5	<5			<5	<5	<5	<5	<5
4-nitroaniline	ug/L			<8		<8								
4-nitrophenol	ug/L			<8		<8								
5-nitro-o-toluidine	ug/L			<8		<8								
7,12-dimethylbenz(a)anthracene	ug/L			<8		<8								
Acenaphthene	ug/L			<8		<8								
Acenaphthylene	ug/L			<8		<8								
Acetone	ug/L	<10		<10	<10	<10	<10			<10	<10	<10	<10	<10
Acetonitrile	ug/L			<10		<10								
Acetophenone	ug/L			<8		<8								
Acrolein	ug/L			<10		<10								
Acrylonitrile	ug/L	<5		<5	<5	<5	<5			<5	<5	<5	<5	<5
Aldrin	ug/L			<.05		<.06								
Alkalinity, as caco3	mg/L						434			370				
Allyl chloride	ug/L			<1		<1								
Alpha-bhc	ug/L			<.05		<.06								
Anthracene	ug/L			<8		<8								
Antimony, total	ug/L	<2		<2	<2	<2	<2			<2	<2	<2	<1	<1
Arochlor 1016	ug/L			<.10		<.13								
Arochlor 1221	ug/L			<.20		<.26								
Arochlor 1232	ug/L			<.20		<.26								
Arochlor 1242	ug/L			<.20		<.26								
Arochlor 1248	ug/L			<.20		<.26								
Arochlor 1254	ug/L			<.10		<.13								
Arochlor 1260	ug/L			<.10		<.13								
Arsenic, total	ug/L	29.8	29.1	18.6	10.4	38.7	<4.0	12.9	<4.0	15.0	<4.0	6.6	<2.0	6.8
Azobenzene	ug/L			<8		<8								
Barium, total	ug/L	1160	696	667	406	661	190			576	124	338	126	317
Benzene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L			<8		<8								
Benzo(a)pyrene	ug/L			<8		<8								
Benzo(b)fluoranthene	ug/L			<8		<8								
Benzo(g,h,i)perylene	ug/L			<8		<8								
Benzo(k)fluoranthene	ug/L			<8		<8								
Benzyl alcohol	ug/L			<8		<8								
Beryllium, total	ug/L	<4.0		<4.0	<4.0	<4.0	<4.0			<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc	ug/L			<.05		<.06								
Bis (2-chloroethoxy) methane	ug/L			<8		<8								
Bis(2-chloroethyl) ether	ug/L			<8		<8								
Bis(2-chloroisopropyl) ether	ug/L			<8		<8								
Bis(2-ethylhexyl) phthalate	ug/L			6		<6								
Bromochloromethane	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
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
Butyl benzyl phthalate	ug/L			<8		<8								
Cadmium, total	ug/L	<.8		<.8	<.8	<.8	<.8			<.8	<.8	<.8	.3	.3

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

Table 9

Analytical Data Summary for MW-96R

Constituents	Units	4/5/2021	7/2/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	7/7/2023	7/20/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
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
Chlordane	ug/L			<.10		<.13								
Chlorobenzene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Chlorobenzilate	ug/L			<8		<8								
Chloroethane	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
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
Chloroprene	ug/L			<1		<1								
Chromium, total	ug/L	<8.0		<8.0	<8.0	<8.0	<8.0			<8.0	<8.0	<8.0	1.1	<1.0
Chrysene	ug/L			<8		<8								
Cis-1,2-dichloroethylene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Cobalt, total	ug/L	16.8	11.9	11.4	7.6	11.1	2.2	11.2	10.0	10.6	1.8	10.5	.9	10.7
Copper, total	ug/L	<4		<4	<4	<4	<4			<4	<4	<4	<5	<5
Cyanide, total	mg/L			<.005		<.005								
Delta-bhc	ug/L			<.05		<.06								
Diallate	ug/L			<8		<8								
Dibenzo(a,h)anthracene	ug/L			<8		<8								
Dibenzofuran	ug/L			<8		<8								
Dibromochloromethane	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L			<1		<1								
Dieldrin	ug/L			<.05		<.06								
Diethyl phthalate	ug/L			<8		<8								
Dimethoate	ug/L			<.5		<.5								
Dimethylphthalate	ug/L			<8		<8								
Di-n-butyl phthalate	ug/L			<8		<8								
Di-n-octyl phthalate	ug/L			<8		<8								
Dinoseb	ug/L			<.5		<.5								
Diphenylamine	ug/L			<8		<8								
Disulfoton	ug/L			<.5		<.5								
Endosulfan i	ug/L			<.05		<.06								
Endosulfan ii	ug/L			<.05		<.06								
Endosulfan sulfate	ug/L			<.05		<.06								
Endrin	ug/L			<.05		<.06								
Endrin aldehyde	ug/L			<.05		<.06								
Ethyl methacrylate	ug/L			<10		<10								
Ethyl methanesulfonate	ug/L			<8		<8								
Ethylbenzene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Famphur	ug/L			<.5		<.5								
Fluoranthene	ug/L			<8		<8								
Fluorene	ug/L			<8		<8								
Gamma-bhc (lindane)	ug/L			<.05		<.06								
Heptachlor	ug/L			<.05		<.06								
Heptachlor epoxide	ug/L			<.05		<.06								
Hexachlorobenzene	ug/L			<.05		<.06								
Hexachlorobutadiene	ug/L			<8		<8								
Hexachlorocyclopentadiene	ug/L			<8		<8								
Hexachloroethane	ug/L			<8		<8								
Hexachloropropene	ug/L			<8		<8								
Indeno(1,2,3-cd)pyrene	ug/L			<8		<8								
Isobutanol	mg/L			<1		<1								
Isodrin	ug/L			<8		<8								

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

Table 9

Analytical Data Summary for MW-96R

Constituents	Units	4/5/2021	7/2/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	7/7/2023	7/20/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
Isophorone	ug/L			<8		<8								
Isosafrole	ug/L			<8		<8								
Kepone	ug/L			<8		<8								
Lead, total	ug/L	<4		<4	<4	<4	<4			<4	<4	<4	<1	<1
Mercury, total	ug/L			<.5		<.5								
Methacrylonitrile	ug/L			<1		<1								
Methapyrilene	ug/L			<8		<8								
Methoxychlor	ug/L			<.05		<.06								
Methyl iodide	ug/L	<1		<2	<1	<2	<1			<1	<1	<1	<1	<1
Methyl methacrylate	ug/L			<1		<1								
Methyl methanesulfonate	ug/L			<8		<8								
Methyl parathion	ug/L			<.5		<.5								
Methylene chloride	ug/L	<5		<5	<5	<5	<5			<5	<5	<5	<5	<5
Naphthalene	ug/L			<8		<8								
Nickel, total	ug/L	8.8		5.9	6.8	4.5	5.6			4.6	5.3	4.6	5.2	<5.0
Nitrobenzene	ug/L			<8		<8								
N-nitrosodiethylamine	ug/L			<8		<8								
N-nitrosodimethylamine	ug/L			<8		<8								
N-nitrosodi-n-butylamine	ug/L			<8		<8								
N-nitroso-di-n-propylamine	ug/L			<8		<8								
N-nitrosodiphenylamine	ug/L			<8		<8								
N-nitrosomethylethylamine	ug/L			<8		<8								
N-nitrosopiperidine	ug/L			<8		<8								
N-nitrosopyrrolidine	ug/L			<8		<8								
O,o,o-triethyl phosphorothioate	ug/L			<.5		<.5								
O-toluidine	ug/L			<8		<8								
Parathion	ug/L			<.5		<.5								
P-dimethylaminoazobenzene	ug/L			<8		<8								
Pentachlorobenzene	ug/L			<8		<8								
Pentachloronitrobenzene (pcnb)	ug/L			<8		<8								
Pentachlorophenol	ug/L			<8		<8								
pH	pH						6.6			6.4				
Phenacetin	ug/L			<8		<8								
Phenanthrene	ug/L			<8		<8								
Phenol	ug/L			<8		<8								
Phorate	ug/L			<.5		<.5								
Pronamide	ug/L			<8		<8								
Propionitrile	ug/L			<10		<10								
Pyrene	ug/L			<8		<8								
Safrole	ug/L			<8		<8								
Selenium, total	ug/L	<4.0		<4.0	9.1	<4.0	7.8	<4.0		<4.0	7.4	<4.0	7.2	<2.0
Silver, total	ug/L	<4		<4	<4	<4	<4			<4	<4	<4	<5	<5
Styrene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Sulfide, total	mg/L			<.1		<.3								
Tetrachloroethylene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Thallium, total	ug/L	<2.0		<2.0	<2.0	<2.0	<2.0			<2.0	<2.0	<2.0	<.5	<.5
Thionazin	ug/L			<.5		<.5								
Tin, total	ug/L			<20		<20								
Toluene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Toxaphene	ug/L			<.20		<.26								
Trans-1,2-dichloroethylene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5		<5	<5	<5	<5			<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-96R

Constituents	Units	4/5/2021	7/2/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	7/7/2023	7/20/2023	10/13/2023	4/16/2024	10/15/2024	4/14/2025	10/6/2025
Trichlorofluoromethane	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20		<20	<20	<20	<20			<20	<20	<20	<2	<2
Vinyl acetate	ug/L	<5		<5	<5	<5	<5			<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2		<2	<2	<2	<2			<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0		<20.0	<20.0	<20.0	<20.0			<20.0	<20.0	<20.0	9.7	11.1

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

Table 9

Analytical Data Summary for MW-97

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1						<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1						<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1						<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1						<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1						<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1						<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1						<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1						<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1						<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1						<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1						<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1						<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1						<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5						<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5						<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5						<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10						<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5						<5
Alkalinity, as caco3	mg/L	555	455	435		350							424
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2						<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	160	179	202	535	244	264						279
Benzene	ug/L	<1	<1	<1	<1	<1	<1						<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0						<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1						<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1						<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1						<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1						<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8						<.8
Calcium, total	mg/L	115	110	142		167							
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1						<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1						<1
Chloride	mg/L	11.0	13.0	12.0		17.3							
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1						<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1						<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1						<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1						<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0						<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1						<1
Cobalt, total	ug/L	<.8	<.8	<.8	1.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.4
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0						<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1						<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1						<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1						<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4						<4
Magnesium, total	mg/L	45.0	41.5	50.7		55.8							
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1						<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5						<5
Nickel, total	ug/L	<4.0	<4.0	5.8	13.4	<4.0	<4.0						<4.0
Nitrogen, ammonia	mg/L	<1	<1	<1		<1							
pH	pH												7.2
Potassium, total	mg/L	2.1	1.5	3.7		6.3							
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0						<4.0

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

Table 9

Analytical Data Summary for MW-97

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	7/18/2024	10/15/2024	4/14/2025	10/6/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
2-butanone (mek)	<5	<5	<5	<10	<10	<10	<10	<10		<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5
Alkalinity, as caco3												
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2		<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4		<4	<2	<2
Barium, total	269	287	259	300	275	290	264	315		274	313	295
Benzene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<.5	<.5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8		<.8	<.2	<.2
Calcium, total												
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chloride												
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0		<8.0	1.6	1.2
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4		<.4	<.5	<.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	7.1	<4.0	<4.0	<5.0	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4		<4	<1	<1
Magnesium, total												
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<5.0	<5.0
Nitrogen, ammonia												
pH												
Potassium, total												
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	2.3	2.1

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

Table 9

Analytical Data Summary for MW-97

Constituents	Units	10/16/2014	4/3/2015	10/1/2015	4/14/2016	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020
Silver, total	ug/L	<4	<4	<4	<4	<4	<4						<4
Sodium, total	mg/L	16.1	18.7	17.5		24.5							
Solids, total dissolved	mg/L	527	451	503		588							
Solids, total suspended	mg/L	72	4										
Styrene	ug/L	<1	<1	<1	<1	<1	<1						<1
Sulfate	mg/L	23.2	17.2	18.2		16.8							
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1						<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0						<2.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1						<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1						<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1						<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5						<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1						<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1						<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20						<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5						<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2						<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	<8.0	<8.0						<20.0

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

Table 9

Analytical Data Summary for MW-97

Constituents	10/19/2020	4/5/2021	10/8/2021	4/6/2022	10/25/2022	4/11/2023	10/13/2023	4/17/2024	7/18/2024	10/15/2024	4/14/2025	10/6/2025
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4		<4	<5	<5
Sodium, total												
Solids, total dissolved												
Solids, total suspended												
Styrene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Sulfate												
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20		<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0	<5.0	16.7

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

Table 9

Analytical Data Summary for MW-98

Constituents	Units	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020	10/19/2020	4/5/2021	10/8/2021	4/6/2022
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10.0	<10.0	18.4	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	7.4	25.3	<4.0	7.8	<4.0	<4.0	4.8	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L	171.0	241.0	129.0	193.0	102.0	133.0	94.4	157.0	147.0	125.0	149.0	117.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	9.8	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	3.0	4.4	.8	5.0	<.8	1.3	2.4	2.0	2.2	.6	2.2	.7
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.1	<4.0	<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-98

Constituents	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4.0	6.4	6.3	48.0	<4.0	2.4	<2.0
Barium, total	183.0	136.0	217.0	325.0	137.0	131.0	81.9
Benzene	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<.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, total	<.8	<.8	<.8	<.8	<.8	<.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
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.0	<1.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	3.6	2.1	5.5	4.7	1.9	1.2	.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<5	<5
Selenium, total	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<5	<5
Styrene	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-98

Constituents	Units	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020	10/19/2020	4/5/2021	10/8/2021	4/6/2022
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-98

Constituents	10/25/2022	4/11/2023	10/13/2023	4/17/2024	10/15/2024	4/14/2025	10/6/2025
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	6.2	6.3

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

Table 9

Analytical Data Summary for MW-99

Constituents	Units	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020	10/19/2020	4/5/2021	10/8/2021	4/6/2022
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	131.0	109.0	140.0	93.9	81.0	110.0	123.0	124.0	118.0	117.0	130.0	110.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	23.4	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	5.2	3.4	6.0	2.5	.8	3.1	2.7	4.1	3.8	3.2	4.0	3.5
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	5.3	<4.0	<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	5.6	5.1	8.8	4.3	<4.0	5.1	7.1	6.5	6.9	5.1	5.5	5.3
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-99

Constituents	10/25/2022	4/11/2023	10/13/2023	4/18/2024	10/15/2024	4/14/2025	10/6/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<4	<2	<2
Barium, total	134.0	89.4	134.0	164.0	88.8	104.0	87.6
Benzene	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<.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, total	<.8	<.8	<.8	<.8	<.8	.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
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.1	<1.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	3.6	2.2	3.3	4.1	.9	2.5	.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Nickel, total	6.2	<4.0	5.3	6.3	<4.0	<5.0	<5.0
Selenium, total	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<5	<5
Styrene	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-99

Constituents	Units	10/13/2016	4/10/2017	10/9/2017	4/17/2018	10/22/2018	4/22/2019	10/23/2019	4/10/2020	10/19/2020	4/5/2021	10/8/2021	4/6/2022
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	<8.0	11.2	<8.0	23.6	27.8	20.8	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-99

Constituents	10/25/2022	4/11/2023	10/13/2023	4/18/2024	10/15/2024	4/14/2025	10/6/2025
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	7.1	7.6

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

Table 9

Analytical Data Summary for SRAMP B

Constituents	Units	4/22/2019	12/17/2019	4/10/2020	10/19/2020	4/5/2021	4/6/2022	4/11/2023	4/16/2024	4/14/2025	10/6/2025
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-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2		<2	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	ug/L	<4		<4	<4	<4	<4	<4	<4	<2	<2
Barium, total	ug/L	36.8		32.6	32.0	22.8	18.7	15.3	16.1	16.0	16.3
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bod (5 day)	mg/L	<5									
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8		<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chemical oxygen demand	mg/L	<20									
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8		<8	<8	<8	<8	<8	<8	<1	<1
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8		<.4	<.4	<.4	<.4	<.4	<.4	<.5	<.5
Copper, total	ug/L	<4		<4	<4	<4	<4	<4	<4	<5	<5
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4		<4	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4		<4	<4	<4	<4	<4	<4	<5	<5
Nitrogen, ammonia	mg/L	<1									
pH	pH	7.6									
Selenium, total	ug/L	<4		<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	ug/L	<4		<4	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended	mg/L	<3									
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for SRAMP B

Constituents	Units	4/22/2019	12/17/2019	4/10/2020	10/19/2020	4/5/2021	4/6/2022	4/11/2023	4/16/2024	4/14/2025	10/6/2025
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20		<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20		<20	<20	<20	<20	<20	<20	<5	13

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

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

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

Table 12 – Leachate Levels

Table 12

Leachate Level Summary
2025 Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

Monthly Leachate Levels - Marshall County Landfill 2025

Date	OPERATING LANDFILL - LINED				CLOSED LANDFILL - UNLINED			
	Area B4				Area B1	Area B3	Area C/D	
	LPZ-101 (cell base) 10.0 Depth	LPZ-102 (in trench) 8.3 Depth	GPZ - 105 Grndwater 12.1 Depth	LPZ-106 (cell base) 7.8 Depth	LW -73 30.08 Depth	LW-75 45.23 Depth	LW-78 25.90 Depth	LW-79 23.00 Depth
1/10/25	10 dry	8.02	12.05	7.8 dry	29.65	31.41	17.49	14.52
2/11/25	10 dry	8.05	12.1	7.8 dry	29.63	31.75	17.65	15.04
3/14/25	10 dry	7.91	11.94	7.8 dry	29.26	31.1	17.29	14.34
4/14/25	10 dry	7.9	12	7.8 dry	29.14	31.44	17.52	14.71
5/5/25	10 dry	7.91	11.92	7.8 dry	29.09	31.49	17.55	13.93
6/6/25	10 dry	7.91	11.95	7.8 dry	29.2	31.54	17.51	13.77
7/2/25	10 dry	7.97	11.87	7.8 dry	29.29	31.34	17.46	13.46
8/7/25	10 dry	7.96	11.85	7.8 dry	29.4	31.2	17.51	12.56
9/2/25	10 dry	7.99	11.91	7.8 dry	29.49	31.25	17.56	12.97
10/6/25	10 dry	8.08	11.98	7.8 dry	29.59	31.29	17.53	13.82
11/6/25	10 dry	8.12	11.96	7.8 dry	29.62	31.42	17.54	14.66
12/31/25	10 dry	7.93	11.91	7.8 dry	29.64	31.45	17.49	14.91

Table 13 – Gas Monitoring Summary

Table 13
Explosive Gas Monitoring
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

	22-Jan-25	14-Apr-25	15-Jul-25	6-Oct-25
Reference Location	LEL %	LEL %	LEL %	LEL %
Scale House Interior & Pit	0	0	0	0
Old Scale House Interior	0	0	0	0
Electronics Shed North of Scale	0	0	0	0
Main Shop	0	0	0	0
Attached Cold Shop/Garage	0	0	0	0
Storage Shed East of Shop	0	0	0	0
GP-1	0	0	0	0
GP-2	0	0	0	0
GP-3	0	0	0	0
GP-4	0	0	0	0
GP-5	0	0	0	0
GP-6	0	0	0	0
GP-7	0	**81.0**	**50.0**	0
GP-8 (MW-213)	0	0	0	0
GU-2	0	0	0	0
GU-3	0	0	0	0

Table 14 – LW-75 Leachate Quality Data

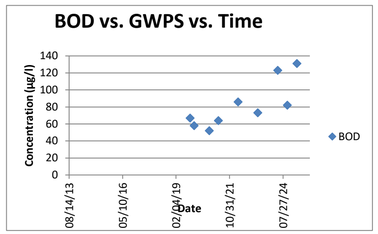
Table 14

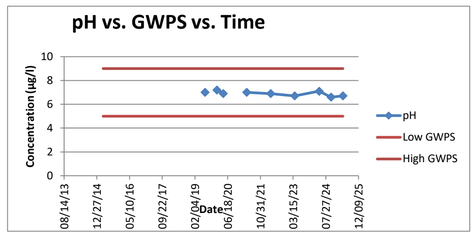
Leachate Well LW-75 - Leachate Quality over Time

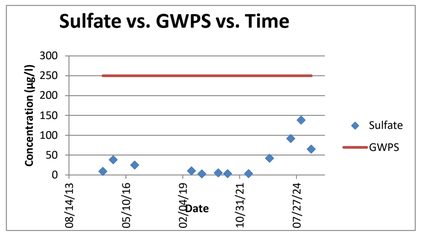
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

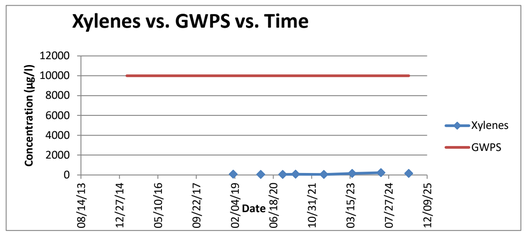
The corrective action monitoring requirement was terminated by IDNR on May 8, 2025 (Docs # 113032 & 113033).

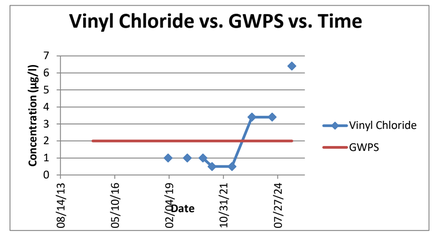
	BOD		Alkalinity		Nitrogen (NH3)		pH	Low	High	TDS		chloride		Sulfate		Benzene		Ethyl Benzene		Xylene		1,4-dichlorobenzene		cis-1,2-dichloroethene		Vinyl Chloride		Cobalt		Methane	
Sample Date	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L
4/3/2015		none	2300	none	105	30		5	9	3570	none	26	none	9	250		5		700		10000		75		70		2		2.1		none
10/1/2015		none	2210	none	84.8	30		5	9	3980	none	1210	none	38.5	250		5		700		10000		75		70		2		2.1		none
10/13/2016		none	2150	none	92.2	30		5	9	4790	none	1220	none	24.7	250		5		700		10000		75		70		2		2.1		none
1/15/2019		none		none		30		5	9		none		none		250	7.8	5	77.8	700	86	10000	18.2	75	2.5	70	1	2		2.1		none
7/8/2019		none	2320	none	71	30	7	5	9	4590	none	1360	none	10.2	250		5		700		10000		75		70		2		2.1		none
10/23/2019	67	none		none		30		5	9		none		none		250		5		700		10000		75		70		2		2.1		none
1/7/2020	58	none	211	none	63.3	30	7.2	5	9	4290	none	1300	none	2.6	250	2.5	5	48.4	700	65.2	10000	11.2	75	2.5	70	1	2	19	2.1	5.32	none
4/10/2020		none	2420	none		30	6.9	5	9		none		none		250		5		700		10000		75		70		2		2.1	11.5	none
10/19/2020	52	none		none	57.9	30		5	9	3860	none	1290	none	5.2	250	3.4	5	38.6	700	49.2	10000	9.4	75	1	70	1	2	13.8	2.1		none
4/5/2021	64	none	2150	none	77.3	30	7	5	9	3570	none	1260	none	3.5	250	4.8	5	39.9	700	71.4	10000	9.6	75	1	70	0.5	2	13.8	2.1	6.53	none
4/6/2022	86	none	1970	none	80.3	30	6.9	5	9	3780	none	1160	none	3.2	250	5.2	5	35.3	700	62.1	10000	10	75	0.5	70	0.5	2	20	2.1	6.41	
4/10/2023	73	none	1790	none	84.1	30	6.7	5	9	3970	none	1190	none	42.2	250	9.4	5	275	700	161	10000	67.5	75	5.4	70	3.4	2	30.9	2.1	1.36	none
4/16/2024	123	none	1530	none	109	30	7.1	5	9	3680	none	1090	none	92	250	8.9	5	297	700	231	10000	163	75	6.8	70	3.4	2	22.1	2.1		none
10/15/2024	82	none	1730	none	109	30	6.6	5	9	3780	none	1220	none	138	250		5		700		10000		75		70		2	18.8	2.1	5.53	none
4/14/2025	131	none	1800	none	87.9	30	6.7	5	9	3490	none	1130	none	64.9	250	12.5	5	246	700	165	10000	375	75	15.7	70	6.4	2	19.9	2.1	5.47	none

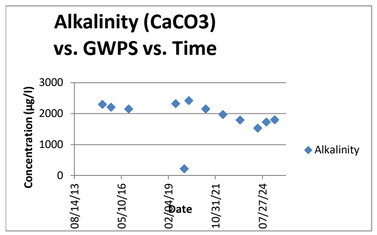


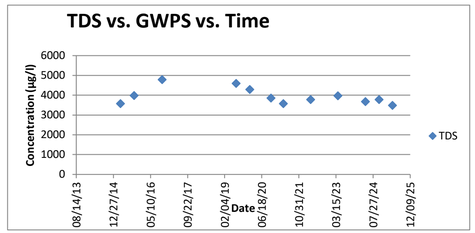


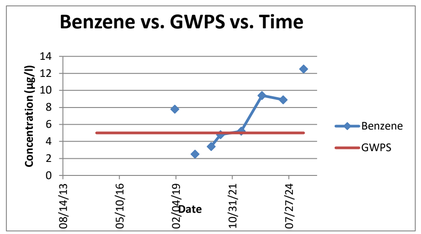


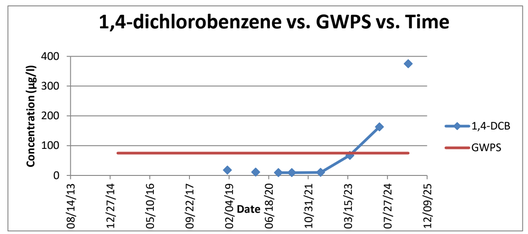


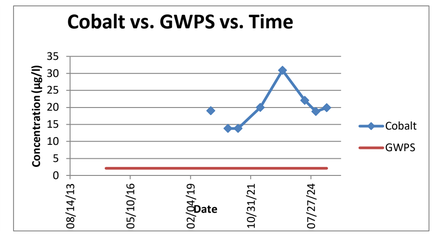


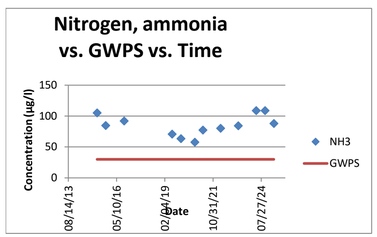


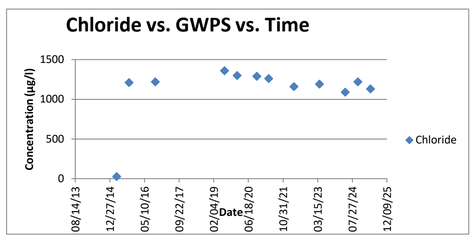


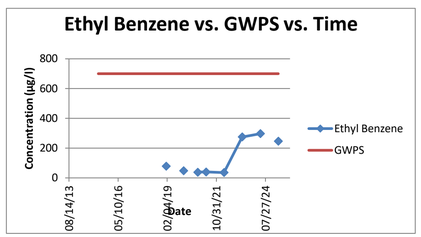


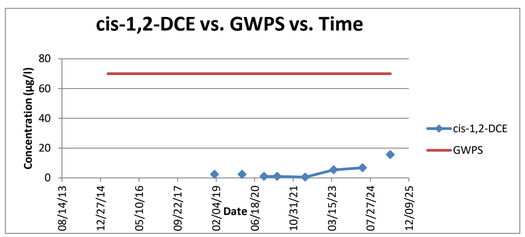












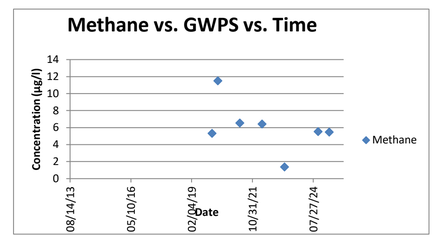


Table 15 – Vent Gas Evaluation Summary

Table 15
SRAMP Vent Gas Evaluation
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

KEY: 101 = a value that exceeds 100% of the LEL

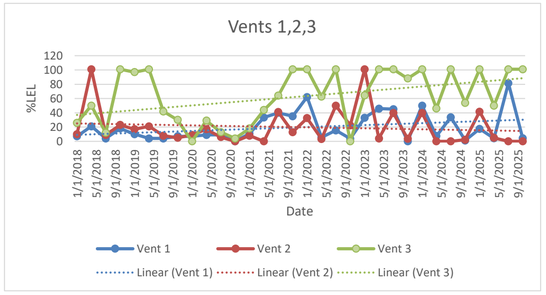
The corrective action monitoring requirement was terminated by IDNR on May 8, 2025 (Docs # 113032 & 113033).

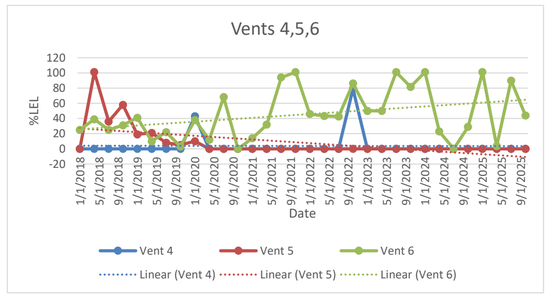
Date	Vent 1	Vent 2	Vent 3	Vent 4	Vent 5	Vent 6	Vent 7	Vent 8	Vent 9	Vent 10	Vent 11	Vent 12	Vent 13	Vent 14	Vent 15	Vent 16	Vent 17	Vent 18	Vent 19	Vent 20	Vent 21	Vent 22	Vent 23	Vent 24	Vent 25	Vent 26	Vent 27
1/9/2018	7	10	26	0	0	25	0	12	27	3	3	11	6	7	3	0	10	95	18	3	60	13	12	37	92	4	6
4/17/2018	21	101	50	0	101	39	23	101	101	0	0	0	34	0	0	0	0	71	101	101	101	8	34	88	32	0	0
7/2/2018	4	9	12	0	36	25	8	18	16	4	4	0	27	4	0	4	7	20	12	6	16	2	20	101	30	0	0
10/22/2018	18	23	101	0	58	31	20	101	0	26	0	0	71	9	0	4	0	101	36	4	32	0	30	50	101	0	8
1/15/2019	10	17	97	0	19	41	7	101	44	12	0	5	33	10	0	13	0	53	20	18	50	0	21	101	50	0	0
4/22/2019	4	21	101	0	21	10	27	60	31	4	0	4	32	3	0	4	0	67	13	25	44	0	8	84	29	0	0
7/8/2019	4	8	42	0	8	22	32	91	38	13	0	6	27	10	0	5	0	101	50	24	85	0	23	101	57	0	0
10/23/2019	7	5	30	0	5	3	28	32	0	20	25	5	13	45	0	3	6	18	16	14	34	0	22	68	35	0	0
1/7/2020	7	9	0	43	10	38	25	25	14	5	0	5	12	0	0	5	0	21	11	61	59	0	11	101	34	0	0
4/10/2020	9	17	29	0	0	12	39	50	50	10	0	6	0	6	0	13	0	101	4	32	101	0	9	69	50	0	0
7/8/2020	9	6	13	0	0	68	50	97	35	6	0	0	0	4	0	5	0	50	7	50	17	0	25	101	12	0	0
10/19/2020	0	0	4	0	0	0	0	18	11	5	0	5	4	5	0	3	0	66	3	4	5	0	6	16	13	0	0
1/7/2021	11	8	18	0	0	14	26	19	50	0	0	10	13	6	3	3	0	95	7	12	26	3	0	65	3	0	3
4/5/2021	33.5	0	43.9	0	0	31.8	43.2	70.5	99.5	7.4	0	0	0	0	0	4.6	0	101	11.8	42.1	101	0	8	101	85.5	0	0
7/2/2021	40	41	64	0	0	94	101	101	101	6	3	42	35	12	0	50	4	101	86	101	101	8	80	101	82	0	0
10/8/2021	35.2	13	101	0	0	101	101	76.5	90.2	9.6	0	5	44.7	37.2	3.8	26.2	3.8	101	37.9	38.4	101	0	38.6	101	50	0	0
1/17/2022	62	32.6	101	0	0	45.8	74.6	101	101	26.7	0	32.3	54.5	34.34	0	98.8	0	101	43.3	55.5	101	3.8	8	101	45.5	0	5.2
4/6/2022	5.4	3.4	62.6	0	0	43.2	0	77.3	50	22.1	0	7.8	0	0	0	5.6	0	101	38.1	0	4	0	4.2	101	4.8	0	0
7/8/2022	15.4	50	101	0	0	42.6	39.6	72	50	0	0	0	3.6	0	0	3.4	0	101	38.1	6	80	0	39.6	101	70	0	0
10/25/2022	3.6	22.3	0	79	0	86	101	101	34	0	0	4	44.7	0	0	0	2.8	101	7.4	60.1	101	0	7	101	4.4	0	3.4
1/23/2023	33.1	101	64.5	0	0	50	101	101	101	101	2.2	12.5	2.4	35.2	0	35.3	19.5	101	44.4	101	101	0	50.1	101	10.2	0	29.3
4/10/2023	45.8	4	101	0	0	50	38.5	101	101	50	0	50	0	0	0	35.2	0	101	50	41.7	66.7	0	54.5	101	101	0	0
7/7/2023	45.1	39.8	101	0	0	101	101	101	98.3	31.3	0	95.1	26.5	0	0	34.8	0	101	68.6	101	101	0	96.4	101	91.1	0	0
10/13/2023	0	3.6	88.1	0	0	81.5	87.5	101	76.2	0	0	5.2	37.2	0	0	2.8	6.8	101	27.7	75	74.6	0	39.9	101	7.6	0	0
1/25/2024	50	39.8	101	0	0	101	101	101	101	6.6	0	45.6	101	0	7.8	23.1	33.2	101	50	101	101	12.8	35.4	101	0	0	41.2
4/16/2024	7.4	0	46.2	0	0	22.8	0	57	39.9	4.8	0	0	5.8	3.2	0	0	0	101	12.6	0	0	0	0	40.6	3.8	0	0
7/18/2024	33.8	0	101	0	0	0	101	101	101	63.6	0	0	0	0	0	0	0	101	5.9	101	101	0	60.6	101	101	0	0
10/15/2024	1.2	2.2	54	0	0	29	50	63.6	44.4	10.8	0	0	20.2	8.2	0	0	0	101	3.4	63.6	18.2	0	13.6	90.8	27	0	0
1/22/2025	17.4	41.5	101	0	0	101	101	101	101	59.1	4.4	0	34.4	44.7	0	18.6	4	101	50	101	56.4	0	23.0	101	0	0	0
4/14/2025	4.2	5.0	50.0	0	0	3.6	0	81.9	44.3	33.6	0	0	0	0	0	0	0	101	5.2	0	0	0	5.2	71.6	39.9	0	0
7/15/2025	81.5	0	101	0	0	89.9	99.8	101	82.1	63.5	0	0	0	0	0	0	0	101	0	101	36.0	0	62.9	101	101	0	0
10/6/2025	4.2	0	101	0	0	43.8	7.2	41.1	50.0	2.2	0	0	79.6	0	0	0	0	101	6.8	6.8	4.4	0	0	101	45.4	0	0

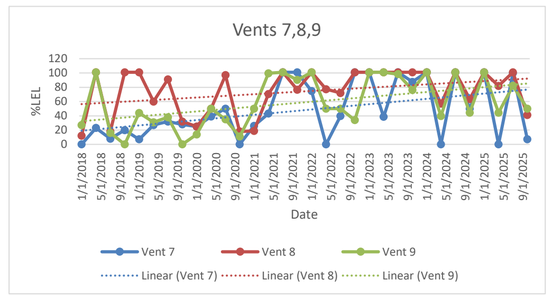
Table 15
SRAMP Vent Gas Evaluation
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

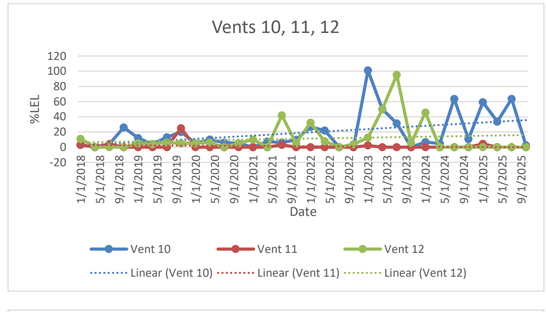
KEY: 101 = a value that exceeds 100% of the LEL

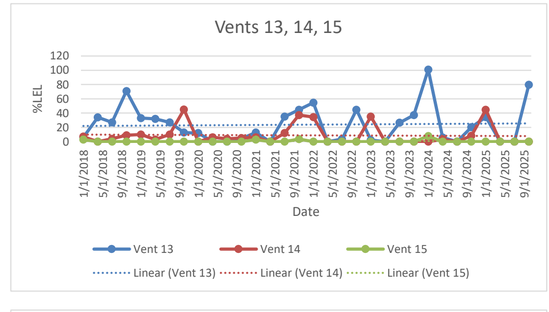
The corrective action monitoring requirement was terminated by IDNR on May 8, 2025 (Docs # 113032 & 113033).

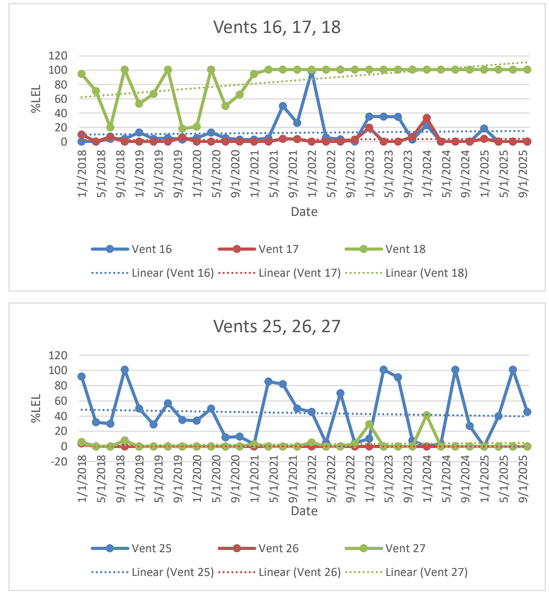


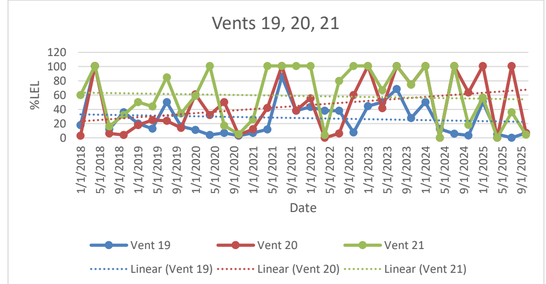












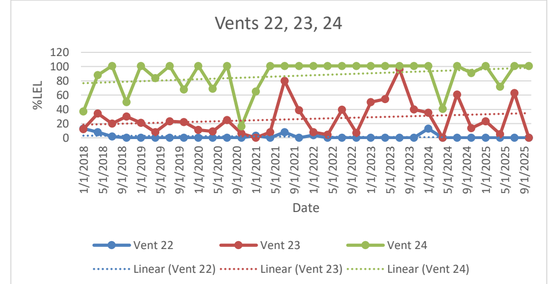


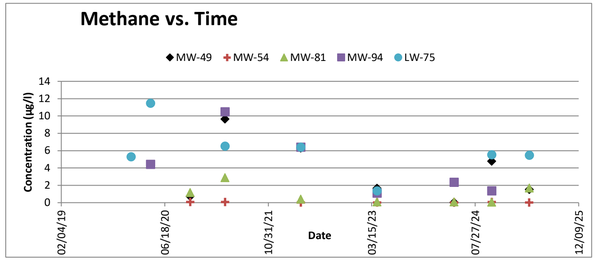
Table 16 – Dissolved Methane, Ethane, Ethene, and Alkalinity and pH CAMP Testing Summary

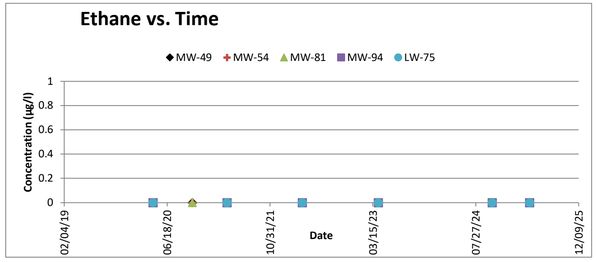
Table 16

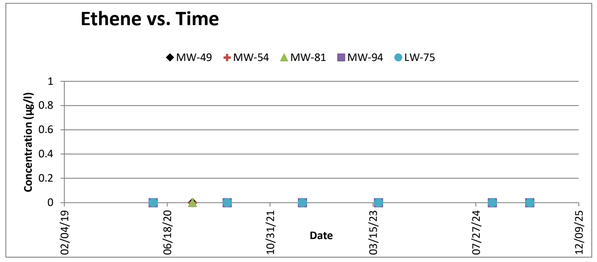
Methane, Ethane, Ethene, Alkalinity, and pH over Time

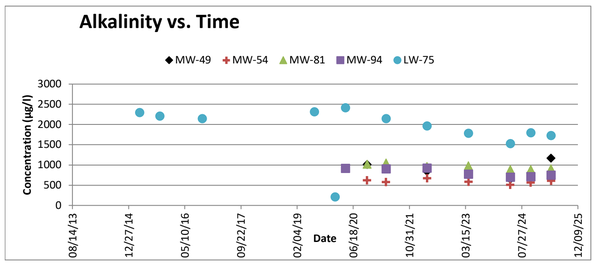
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

	Methane					Ethane					Ethene					Alkalinity					pH				
Sample Date	MW-49 Concentration mg/L	MW-54 Concentration mg/L	MW-81 Concentration mg/L	MW-94 Concentration mg/L	LW-75 Concentration mg/L	MW-49 GWPS mg/L	MW-54 Concentration mg/L	MW-81 GWPS mg/L	MW-94 GWPS mg/L	LW-75 Concentration mg/L	MW-49 GWPS mg/L	MW-54 Concentration mg/L	MW-81 GWPS mg/L	MW-94 Concentration mg/L	LW-75 GWPS mg/L	MW-49 Concentration ug/L	MW-54 GWPS ug/L	MW-81 Concentration ug/L	MW-94 GWPS ug/L	LW-75 Concentration ug/L	MW-49 GWPS ug/L	MW-54 Concentration ug/L	MW-81 GWPS ug/L	MW-94 Concentration ug/L	LW-75 GWPS ug/L
4/3/2015																				2300					
10/1/2015																				2210					
10/13/2016																				2150					
1/15/2019																									
7/8/2019																				2320					
10/23/2019																									
1/7/2020					5.32															211					
4/10/2020				4.44	11.5				<0.010	<0.013				<0.010	<0.013				919	2420				6.6	6.9
10/19/2020	0.737	0.068	1.16			<0.010	<0.014	<0.010			<0.010	<0.014	<0.010			1010	624	1020			6.4	6.7	6.6		
4/5/2021	9.66	0.063	2.88	10.5	6.53	<0.013	<0.010	<0.010	<0.010	<0.010	<0.013	<0.010	<0.010	<0.010	<0.010	960	581	1050	904	2150	6.7	6.8	6.7	6.6	7.0
4/6/2022	6.3	0.00476	0.398	6.41	6.41	<0.00773	<0.00773	<0.00773	<0.00773	<0.0386	<0.0828	<0.0828	<0.0828	<0.0828	<0.0414	844	670	965	923	1970	6.5	6.8	6.6	6.5	6.9
4/10/2023	1.66	0.0051	0.101	1.11	1.36	<0.007	<0.007	<0.007	<0.007	<0.007	<0.01	<0.01	<0.01	<0.01	<0.01	816	585	982	775	1790	6.5		6.6	6.5	6.7
4/16/2024	0.0223	0.0091	0.0962	2.37												652	512	886	698	1530	6.5	6.7	6.6	6.6	7.1
10/15/2024	4.77	0.078	0.056	1.38	5.53	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	808	564	888	710	1800	6.5	6.7	6.5	6.6	6.7
4/14/2025	1.52	0.005	1.7		5.47	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	1170	612	907	752	1730	6.3	6.4	6.3	6.4	6.6









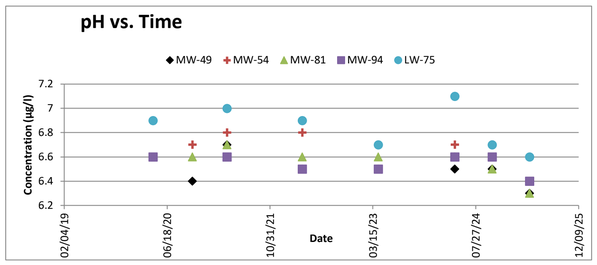


Table 17 – Progress of the Remedy

Table 17
Remedy Progress
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

Key

	SSI
	SSL
	3-year demonstration of Remedy per 567 IAC 113.10(9)"e"
	On-going successful Remedy per 567 IAC 113.10(9)"e"

Well	Constituent	Spring 2020	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023	Fall 2023	Spring 2024	Fall 2024	Spring 2025	Fall 2025	Spring 2026	Fall 2026
MW-87 (AZPOC) - related to Supplemental Well MW-81	Cobalt														
	1,2-dichloropropane														
	cis-1,2-dichloroethene														
	Vinyl Chloride														
MW-89 (AZPOC) - related to Supplemental Well MW-54	Cobalt														
MW-91 (AZPOC) - related to Supplemental Well MW-49	Arsenic														
	Cobalt														
	Selenium														
	1,1-dichloroethane														
	Vinyl Chloride														
MW-97 (AZPOC) - related to Supplemental Well MW-94	Arsenic														
	Cobalt														
	cis-1,2-dichloroethene														
	Vinyl Chloride														

Appendix A

Field Sampling Forms

MARSHALL COUNTY SANITARY LANDFILL
PERMIT # 64-SDP-2-75P

4/14/2025 Sampled by: Todd Whipple Weather Conditions: Sunny windy 46-60 degrees

IDNR Form 542-1322

Monitoring Well: MW-49 (dg)

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

GENERAL INFORMATION

TOC	1019.99
Well Depth	26.42
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1019.99
Well Depth	26.25
Top Screen	1003.57
Bottom Screen	993.57
Bottom Well	993.97
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	21.00
Top sample	998.99
Bottom sample	994.99
Turbidity(NTU)	12.61

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	10:24	15.01	1004.98	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		12.61
Appendix I	Metals	150	150		12.61
Appendix I	VOC	240	240		12.61
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	add VOC, alkalinity	370	0		
Total			400	0	

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

TOC	1019.99	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	26.42	Before purging	4/14/2025	10:24	15.01	1004.98		0.0	
		After purging				1019.99			
		Top of Screen January 1990				1003.57			
						16.42	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				993.57			
		Bottom of Well	4/14/2025		26.25	993.74			
						0.17	feet sedimentation		
		Before Sampling				1019.99			
		Recovery				1019.99			
		Recovery				1019.99			
		Recovery				1019.99			
		Recovery				1019.99			

IDNR Form 542-1322

Monitoring Well: MW-54 (dg)

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

GENERAL INFORMATION

TOC	1035.44
Well Depth	31.95
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	1035.44
Well Depth	31.80
Top Screen	1013.49
Bottom Screen	1003.49
Bottom Well	1003.49
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	26.00
Top sample	1009.44
Bottom sample	1005.44
Turbidity(NTU)	11.64

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	10:00	17.10	1018.34	

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		11.64
Appendix I	Metals	150	150		11.64
Appendix I	VOC	240	240		11.64
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	add VOC, alkalinity	370	0		
Total			400	0	

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

TOC	1035.44	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	31.95	Before purging	4/14/2025	10:00	17.10	1018.34		0.0	
		After purging				1035.44			
		Top of Screen January 1990				1013.49			
						21.95	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				1003.49			
		Bottom of Well	4/14/2025		31.80	1003.64			
						0.15	feet sedimentation		
		Before Sampling				1035.44			
		Recovery				1035.44			
		Recovery				1035.44			
		Recovery				1035.44			
		Recovery				1035.44			

IDNR Form 542-1322

Monitoring Well: MW-66 (ug)

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

GENERAL INFORMATION

TOC	1032.39
Well Depth	51.86
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1032.39
Well Depth	51.86
Top Screen	995.53
Bottom Screen	980.53
Bottom Well	980.53
Sampler Length (ft)	
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	1032.39
Bottom sample	1032.39
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
4/14/2025		>51.8	#VALUE!	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			
Appendix I	Metals	250			
Appendix I	VOC	120			
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental					
Supplemental	Minerals	750			
Total			0	0	

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

TOC	1032.39	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	51.86	Before purging				1032.39	3	0.4	no
		After purging				1032.39			
		Top of Screen May 1990				995.53			
						36.86	feet above (+) or below (-) top screen		
		Bottom of Well May 1990				980.53			
		Bottom of Well	10/25/2022		51.80	980.59			
						0.06	feet sedimentation		
		Before Sampling				1032.39			
		Recovery				1032.39			
		Recovery				1032.39			
		Recovery				1032.39			
		Recovery				1032.39			

IDNR Form 542-1322

Monitoring Well: MW-81 (dg)

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

GENERAL INFORMATION

TOC	1009.27
Well Depth	35.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1009.27
Well Depth	35.00
Top Screen	989.27
Bottom Screen	974.27
Bottom Well	974.27
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	28.50
Top sample	980.77
Bottom sample	976.77
Turbidity(NTU)	2.77

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	12:24	20.06	989.21	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.77
Appendix I	Metals	150	150		2.77
Appendix I	VOC	240	240		2.77
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	add VOC, alkalinity	370	0		
Total			400	0	

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

TOC	1009.27	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	35.00	Before purging	4/14/2025	12:24	20.06	989.21		0.0	
		After purging				1009.27			
		Top of Screen January 1990				989.27			
						20.00	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				974.27			
		Bottom of Well	4/14/2025		33.90	975.37			
						1.10	feet sedimentation		
		Before Sampling				1009.27			
		Recovery				1009.27			
		Recovery				1009.27			
		Recovery				1009.27			
		Recovery				1009.27			

IDNR Form 542-1322

Monitoring Well: MW-85 (ug)

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

GENERAL INFORMATION

TOC	1039.27
Well Depth	72.07
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	1039.27
Well Depth	72.07
Top Screen	982.20
Bottom Screen	967.20
Bottom Well	967.20
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	65.00
Top sample	974.27
Bottom sample	970.27
Turbidity(NTU)	2.51

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	9:05	35.25	1004.02	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.51
Appendix I	Metals	150	150		2.51
Appendix I	VOC	240	240		2.51
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	1039.27	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	72.07	Before purging	4/14/2025	9:05	35.25	1004.02		0.0	
		After purging				1039.27			
		Top of Screen January 1990				982.20			
						57.07	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				967.20			
		Bottom of Well	4/14/2025		71.20	968.07			
						0.87	feet sedimentation		
		Before Sampling				1039.27			
		Recovery				1039.27			
		Recovery				1039.27			
		Recovery				1039.27			
		Recovery				1039.27			

IDNR Form 542-1322

Monitoring Well: MW-87 (dg)

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

GENERAL INFORMATION

TOC	964.2
Well Depth	21.58
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	964.2
Well Depth	21.58
Top Screen	952.62
Bottom Screen	942.62
Bottom Well	942.62
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	948.20
Bottom sample	944.20
Turbidity(NTU)	2.05

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	12:43	4.33	959.87	

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	150	150		2.05
Appendix I	VOC	240	240		2.05
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	964.2	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.58	Before purging	4/14/2025	12:43	4.33	959.87		0.0	
		After purging				964.20			
		Top of Screen January 1990				952.62			
						11.58	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				942.62			
		Bottom of Well	4/14/2025		21.00	943.20			
						0.58	feet sedimentation		
		Before Sampling				964.20			
		Recovery				964.20			
		Recovery				964.20			
		Recovery				964.20			
		Recovery				964.20			

IDNR Form 542-1322

Monitoring Well: MW-89 (dg)

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

GENERAL INFORMATION

TOC	1012.79
Well Depth	27.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1012.79
Well Depth	27.50
Top Screen	995.25
Bottom Screen	985.25
Bottom Well	985.25
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	990.79
Bottom sample	986.79
Turbidity(NTU)	2.05

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	13:16	7.77	1005.02	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.05
Appendix I	Metals	150	150		2.05
Appendix I	VOC	240	240		2.05
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	1012.79	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.50	Before purging	4/14/2025	13:16	7.77	1005.02		0.0	
		After purging				1012.79			
		Top of Screen January 1990				995.25			
						17.54	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				985.25			
		Bottom of Well	4/14/2025		27.30	985.49			
						0.24	feet sedimentation		
		Before Sampling				1012.79			
		Recovery				1012.79			
		Recovery				1012.79			
		Recovery				1012.79			
		Recovery				1012.79			

IDNR Form 542-1322

Monitoring Well: MW-91 (dg)

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

GENERAL INFORMATION

TOC	978.57
Well Depth	17.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	978.57
Well Depth	17.50
Top Screen	971.07
Bottom Screen	961.07
Bottom Well	961.07
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	12.00
Top sample	966.57
Bottom sample	962.57
Turbidity(NTU)	2.43

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	13:00	8.45	970.12	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.43
Appendix I	Metals	150	150		2.43
Appendix I	VOC	240	240		2.43
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	978.57	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	17.50	Before purging	4/14/2025	13:00	8.45	970.12		0.0	
		After purging				978.57			
		Top of Screen January 1990				971.07			
						7.50	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				961.07			
		Bottom of Well	4/14/2025		17.00	961.57			
						0.50	feet sedimentation		
		Before Sampling				978.57			
		Recovery				978.57			
		Recovery				978.57			
		Recovery				978.57			
		Recovery				978.57			

IDNR Form 542-1322

Monitoring Well: MW-93 (dg)

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

GENERAL INFORMATION

TOC	921.91
Well Depth	22.25
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	921.91
Well Depth	22.25
Top Screen	909.74
Bottom Screen	899.74
Bottom Well	899.74
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	904.91
Bottom sample	900.91
Turbidity(NTU)	2.64

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	12:07	16.13	905.78	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.64
Appendix I	Metals	150	150		2.64
Appendix I	VOC	240	240		2.64
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	921.91	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.25	Before purging	4/14/2025	12:07	16.13	905.78		0.0	
		After purging				921.91			
		Top of Screen January 1990				909.74			
						12.17	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				899.74			
		Bottom of Well	4/14/2025		22.20	899.71			
						-0.03	feet sedimentation		
		Before Sampling				921.91			
		Recovery				921.91			
		Recovery				921.91			
		Recovery				921.91			
		Recovery				921.91			

IDNR Form 542-1322

Monitoring Well: MW-94 (dg)

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

GENERAL INFORMATION

TOC	1030.99
Well Depth	27.85
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1030.99
Well Depth	27.85
Top Screen	1013.14
Bottom Screen	1003.14
Bottom Well	1003.14
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	1008.99
Bottom sample	1004.99
Turbidity(NTU)	3.53

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	9:37	16.45	1014.54	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		3.53
Appendix I	Metals	150	150		3.53
Appendix I	VOC	240	240		3.53
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	add VOC, alkalinity	370	0		
Total			400	0	

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

TOC	1030.99	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.85	Before purging	4/14/2025	9:37	16.45	1014.54		0.0	
		After purging				1030.99			
		Top of Screen January 1990				1013.14			
						17.85	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				1003.14			
		Bottom of Well	4/14/2025		27.50	1003.49			
						0.35	feet sedimentation		
		Before Sampling				1030.99			
		Recovery				1030.99			
		Recovery				1030.99			
		Recovery				1030.99			
		Recovery				1030.99			

IDNR Form 542-1322

Monitoring Well: MW-95 (dg)

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

GENERAL INFORMATION

TOC	973.55
Well Depth	23.39
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	973.55
Well Depth	23.39
Top Screen	960.16
Bottom Screen	950.16
Bottom Well	950.16
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	955.55
Bottom sample	951.55
Turbidity(NTU)	2.71

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	8:29	7.26	966.29	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.71
Appendix I	Metals	150	150		2.71
Appendix I	VOC	240	240		2.71
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	973.55	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.39	Before purging	4/14/2025	8:29	7.26	966.29		0.0	
		After purging				973.55			
		Top of Screen January 1990				960.16			
						13.39	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				950.16			
		Bottom of Well	4/14/2025		23.40	950.15			
						-0.01	feet sedimentation		
		Before Sampling				973.55			
		Recovery				973.55			
		Recovery				973.55			
		Recovery				973.55			
		Recovery				973.55			

IDNR Form 542-1322

Monitoring Well: MW-96R (dg)

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

GENERAL INFORMATION

TOC	941.85
Well Depth	20.80
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	941.85
Well Depth	20.80
Top Screen	931.05
Bottom Screen	921.05
Bottom Well	921.05
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	926.85
Bottom sample	922.85
Turbidity(NTU)	7.52

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	11:47	11.05	930.8	

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		7.52
Appendix I	Metals	150	150		7.52
Appendix I	VOC	240	240		7.52
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	941.85	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.80	Before purging	4/14/2025	11:47	11.05	930.80		0.0	
		After purging				941.85			
		Top of Screen January 1990				931.05			
						10.80	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				921.05			
		Bottom of Well	4/14/2025		20.80	921.05			
						0.00	feet sedimentation		
		Before Sampling				941.85			
		Recovery				941.85			
		Recovery				941.85			
		Recovery				941.85			
		Recovery				941.85			

IDNR Form 542-1322

Monitoring Well: MW-97 (dg)

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

GENERAL INFORMATION

TOC	1015.38
Well Depth	37.10
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1015.38
Well Depth	37.10
Top Screen	988.28
Bottom Screen	978.28
Bottom Well	978.28
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	31.00
Top sample	984.38
Bottom sample	980.38
Turbidity(NTU)	2.11

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	9:24	11.47	1003.91	

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		2.11
Appendix I	Metals	150	150		2.11
Appendix I	VOC	240	240		2.11
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	1015.38	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	37.10	Before purging	4/14/2025	9:24	11.47	1003.91		0.0	
		After purging				1015.38			
		Top of Screen January 1990				988.28			
						27.10	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				978.28			
		Bottom of Well	4/14/2025		36.80	978.58			
						0.30	feet sedimentation		
		Before Sampling				1015.38			
		Recovery				1015.38			
		Recovery				1015.38			
		Recovery				1015.38			
		Recovery				1015.38			

IDNR Form 542-1322

Monitoring Well: MW- 98 (up)

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

GENERAL INFORMATION

TOC	953.24
Well Depth	21.65
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	953.24
Well Depth	21.65
Top Screen	941.81
Bottom Screen	931.81
Bottom Well	931.59
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	937.24
Bottom sample	933.24
Turbidity(NTU)	15.32

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	13:31	5.14	948.1	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		15.32
Appendix I	Metals	150	150		15.32
Appendix I	VOC	240	240		15.32
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis2	946			
Supplemental		370	0		
Total			400	0	

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

TOC	953.24	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.65	Before purging	4/14/2025	13:31	5.14	948.10		0.0	
		After purging				953.24			
		Top of Screen January 1990				941.81			
						11.43	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				931.59			
		Bottom of Well	4/14/2025		21.65	931.59			
						0.00	feet sedimentation		
		Before Sampling				953.24			
		Recovery				953.24			
		Recovery				953.24			
		Recovery				953.24			
		Recovery				953.24			

IDNR Form 542-1322

Monitoring Well: MW-99 (up)

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

GENERAL INFORMATION

TOC	913.98
Well Depth	21.90
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	913.98
Well Depth	21.90
Top Screen	902.35
Bottom Screen	892.35
Bottom Well	892.08
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	896.98
Bottom sample	892.98
Turbidity(NTU)	2.50

Date	Time	Water Level	Water Elevation	Notes
4/14/2025	7:59	10.3	903.68	

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		2.50
Appendix I	Metals	150	150		2.50
Appendix I	VOC	240	240		2.50
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis2	946			
Supplemental		370	0		
Total			400	0	

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

TOC	913.98	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.90	Before purging	4/14/2025	7:59	10.3	903.68		0.0	
		After purging				913.98			
		Top of Screen January 1990				902.35			
						11.63	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				892.08			
		Bottom of Well	4/14/2025		21.90	892.08			
						0.00	feet sedimentation		
		Before Sampling				913.98			
		Recovery				913.98			
		Recovery				913.98			
		Recovery				913.98			
		Recovery				913.98			

MARSHALL COUNTY SANITARY LANDFILL
PERMIT # 64-SDP-2-75P

4/14/2025 Sampled by: Todd Whipple Weather Conditions: Sunny windy 46-60 degrees

IDNR Form 542-1324

	Date	Time	Type	Flowing	Quantity		Discolored	Odor	Litter
SRAMP B	4/14/2025		Tile Outlet	yes	250 ML/20 sec		No	No	No

NTU	pH	Conductivity	Temp.(C)
1.87	--	--	--

IDNR Form 542-1324

	Date	Time	Type	Flowing	Quantity		Discolored	Odor	Litter
PECS B	4/14/2025		Surface Water	No	Dry		No	No	No

NTU	pH	Conductivity	Temp.(C)
--	--	--	--

MARSHALL COUNTY SANITARY LANDFILL
PERMIT # 64-SDP-2-75P

10/6/2025 | Sampled by: Todd Whipple | Weather Conditions: overcast with sprinkles, 55-65 degrees

IDNR Form 542-1322

Monitoring Well: MW-49 (dg)

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

GENERAL INFORMATION

TOC	1019.99
Well Depth	26.42
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1019.99
Well Depth	26.25
Top Screen	1003.57
Bottom Screen	993.57
Bottom Well	993.97
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	21.00
Top sample	998.99
Bottom sample	994.99
Turbidity(NTU)	27.56

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	10:45	17.32	1002.67	

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		27.56
Appendix I	Metals	150	150		27.56
Appendix I	VOC	240	240		27.56
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	add VOC, alkalinity	370	0		
Total			400	0	

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

TOC	1019.99	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	26.42	Before purging	10/6/2025	10:45	17.32	1002.67		0.0	
		After purging				1019.99			
		Top of Screen January 1990				1003.57			
						16.42	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				993.57			
		Bottom of Well	10/6/2025		26.25	993.74			
						0.17	feet sedimentation		
		Before Sampling				1019.99			
		Recovery				1019.99			
		Recovery				1019.99			
		Recovery				1019.99			
		Recovery				1019.99			

IDNR Form 542-1322

Monitoring Well: MW-54 (dg)

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

GENERAL INFORMATION

TOC	1035.44
Well Depth	31.95
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	1035.44
Well Depth	31.80
Top Screen	1013.49
Bottom Screen	1003.49
Bottom Well	1003.49
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	25.00
Top sample	1010.44
Bottom sample	1006.44
Turbidity(NTU)	11.41

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	10:24	17.53	1017.91	

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		11.41
Appendix I	Metals	150	150		11.41
Appendix I	VOC	240	240		11.41
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	add VOC, alkalinity	370	0		
Total			400	0	

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

TOC	1035.44	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	31.95	Before purging	10/6/2025	10:24	17.53	1017.91		0.0	
		After purging				1035.44			
		Top of Screen January 1990				1013.49			
						21.95	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				1003.49			
		Bottom of Well	10/6/2025		31.80	1003.64			
						0.15	feet sedimentation		
		Before Sampling				1035.44			
		Recovery				1035.44			
		Recovery				1035.44			
		Recovery				1035.44			
		Recovery				1035.44			

IDNR Form 542-1322

Monitoring Well: MW-66 (ug)

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

GENERAL INFORMATION

TOC	1032.39
Well Depth	51.86
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1032.39
Well Depth	51.86
Top Screen	995.53
Bottom Screen	980.53
Bottom Well	980.53
Sampler Length (ft)	
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	1032.39
Bottom sample	1032.39
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
10/6/2025		>51.8	#VALUE!	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			
Appendix I	Metals	250			
Appendix I	VOC	120			
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental					
Supplemental	Minerals	750			
Total			0	0	

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

TOC	1032.39	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	51.86	Before purging				1032.39	3	0.4	no
		After purging				1032.39			
		Top of Screen May 1990				995.53			
						36.86	feet above (+) or below (-) top screen		
		Bottom of Well May 1990				980.53			
		Bottom of Well	10/25/2022		51.80	980.59			
						0.06	feet sedimentation		
		Before Sampling				1032.39			
		Recovery				1032.39			
		Recovery				1032.39			
		Recovery				1032.39			
		Recovery				1032.39			

IDNR Form 542-1322

Monitoring Well: MW-81 (dg)

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

GENERAL INFORMATION

TOC	1009.27
Well Depth	35.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1009.27
Well Depth	35.00
Top Screen	989.27
Bottom Screen	974.27
Bottom Well	974.27
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	28.00
Top sample	981.27
Bottom sample	977.27
Turbidity(NTU)	1.77

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	11:40	18.79	990.48	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.77
Appendix I	Metals	150	150		1.77
Appendix I	VOC	240	240		1.77
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	add VOC, alkalinity	370	0		
Total			400	0	

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

TOC	1009.27	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	35.00	Before purging	10/6/2025	11:40	18.79	990.48		0.0	
		After purging				1009.27			
		Top of Screen January 1990				989.27			
						20.00	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				974.27			
		Bottom of Well	10/6/2025		33.90	975.37			
						1.10	feet sedimentation		
		Before Sampling				1009.27			
		Recovery				1009.27			
		Recovery				1009.27			
		Recovery				1009.27			
		Recovery				1009.27			

IDNR Form 542-1322

Monitoring Well: MW-85 (ug)

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

GENERAL INFORMATION

TOC	1039.27
Well Depth	72.07
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	1039.27
Well Depth	72.07
Top Screen	982.20
Bottom Screen	967.20
Bottom Well	967.20
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	65.00
Top sample	974.27
Bottom sample	970.27
Turbidity(NTU)	1.27

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	9:29	34.35	1004.92	

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		1.27
Appendix I	Metals	150	150		1.27
Appendix I	VOC	240	240		1.27
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	1039.27	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	72.07	Before purging	10/6/2025	9:29	34.35	1004.92		0.0	
		After purging				1039.27			
		Top of Screen January 1990				982.20			
						57.07	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				967.20			
		Bottom of Well	10/6/2025		71.20	968.07			
						0.87	feet sedimentation		
		Before Sampling				1039.27			
		Recovery				1039.27			
		Recovery				1039.27			
		Recovery				1039.27			
		Recovery				1039.27			

IDNR Form 542-1322

Monitoring Well: MW-87 (dg)

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

GENERAL INFORMATION

TOC	964.2
Well Depth	21.58
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	964.2
Well Depth	21.58
Top Screen	952.62
Bottom Screen	942.62
Bottom Well	942.62
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	949.20
Bottom sample	945.20
Turbidity(NTU)	2.20

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	11:25	6.11	958.09	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.20
Appendix I	Metals	150	150		2.20
Appendix I	VOC	240	240		2.20
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	964.2	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.58	Before purging	10/6/2025	11:25	6.11	958.09		0.0	
		After purging				964.20			
		Top of Screen January 1990				952.62			
						11.58	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				942.62			
		Bottom of Well	10/6/2025		21.00	943.20			
						0.58	feet sedimentation		
		Before Sampling				964.20			
		Recovery				964.20			
		Recovery				964.20			
		Recovery				964.20			
		Recovery				964.20			

IDNR Form 542-1322

Monitoring Well: MW-89 (dg)

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

GENERAL INFORMATION

TOC	1012.79
Well Depth	27.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1012.79
Well Depth	27.50
Top Screen	995.25
Bottom Screen	985.25
Bottom Well	985.25
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	990.79
Bottom sample	986.79
Turbidity(NTU)	1.36

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	12:13	8.34	1004.45	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.36
Appendix I	Metals	150	150		1.36
Appendix I	VOC	240	240		1.36
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	1012.79	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.50	Before purging	10/6/2025	12:13	8.34	1004.45		0.0	
		After purging				1012.79			
		Top of Screen January 1990				995.25			
						17.54	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				985.25			
		Bottom of Well	10/6/2025		27.30	985.49			
						0.24	feet sedimentation		
		Before Sampling				1012.79			
		Recovery				1012.79			
		Recovery				1012.79			
		Recovery				1012.79			
		Recovery				1012.79			

IDNR Form 542-1322

Monitoring Well: MW-91 (dg)

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

GENERAL INFORMATION

TOC	978.57
Well Depth	17.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	978.57
Well Depth	17.50
Top Screen	971.07
Bottom Screen	961.07
Bottom Well	961.07
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	12.00
Top sample	966.57
Bottom sample	962.57
Turbidity(NTU)	1.27

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	12:01	9.36	969.21	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.27
Appendix I	Metals	150	150		1.27
Appendix I	VOC	240	240		1.27
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	978.57	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	17.50	Before purging	10/6/2025	12:01	9.36	969.21		0.0	
		After purging				978.57			
		Top of Screen January 1990				971.07			
						7.50	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				961.07			
		Bottom of Well	10/6/2025		17.00	961.57			
						0.50	feet sedimentation		
		Before Sampling				978.57			
		Recovery				978.57			
		Recovery				978.57			
		Recovery				978.57			
		Recovery				978.57			

IDNR Form 542-1322

Monitoring Well: MW-93 (dg)

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

GENERAL INFORMATION

TOC	921.91
Well Depth	22.25
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	921.91
Well Depth	22.25
Top Screen	909.74
Bottom Screen	899.74
Bottom Well	899.74
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.50
Top sample	905.41
Bottom sample	901.41
Turbidity(NTU)	3.45

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	11:09	15.25	906.66	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		3.45
Appendix I	Metals	150	150		3.45
Appendix I	VOC	240	240		3.45
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	921.91	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.25	Before purging	10/6/2025	11:09	15.25	906.66		0.0	
		After purging				921.91			
		Top of Screen January 1990				909.74			
						12.17	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				899.74			
		Bottom of Well	10/6/2025		22.20	899.71			
						-0.03	feet sedimentation		
		Before Sampling				921.91			
		Recovery				921.91			
		Recovery				921.91			
		Recovery				921.91			
		Recovery				921.91			

IDNR Form 542-1322

Monitoring Well: MW-94 (dg)

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

GENERAL INFORMATION

TOC	1030.99
Well Depth	27.85
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1030.99
Well Depth	27.85
Top Screen	1013.14
Bottom Screen	1003.14
Bottom Well	1003.14
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	1008.99
Bottom sample	1004.99
Turbidity(NTU)	0.98

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	9:54	15.33	1015.66	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		0.98
Appendix I	Metals	150	150		0.98
Appendix I	VOC	240	240		0.98
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	add VOC, alkalinity	370	0		
Total			400	0	

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

TOC	1030.99	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.85	Before purging	10/6/2025	9:54	15.33	1015.66		0.0	
		After purging				1030.99			
		Top of Screen January 1990				1013.14			
						17.85	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				1003.14			
		Bottom of Well	10/6/2025		27.50	1003.49			
						0.35	feet sedimentation		
		Before Sampling				1030.99			
		Recovery				1030.99			
		Recovery				1030.99			
		Recovery				1030.99			
		Recovery				1030.99			

IDNR Form 542-1322

Monitoring Well: MW-95 (dg)

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

GENERAL INFORMATION

TOC	973.55
Well Depth	23.39
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	973.55
Well Depth	23.39
Top Screen	960.16
Bottom Screen	950.16
Bottom Well	950.16
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	955.55
Bottom sample	951.55
Turbidity(NTU)	1.26

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	9:07	4.74	968.81	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.26
Appendix I	Metals	150	150		1.26
Appendix I	VOC	240	240		1.26
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	973.55	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.39	Before purging	10/6/2025	9:07	4.74	968.81		0.0	
		After purging				973.55			
		Top of Screen January 1990				960.16			
						13.39	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				950.16			
		Bottom of Well	10/6/2025		23.40	950.15			
						-0.01	feet sedimentation		
		Before Sampling				973.55			
		Recovery				973.55			
		Recovery				973.55			
		Recovery				973.55			
		Recovery				973.55			

IDNR Form 542-1322

Monitoring Well: MW-96R (dg)

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

GENERAL INFORMATION

TOC	941.85
Well Depth	20.80
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	941.85
Well Depth	20.80
Top Screen	931.05
Bottom Screen	921.05
Bottom Well	921.05
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	926.85
Bottom sample	922.85
Turbidity(NTU)	24.69

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	8:16	12.45	929.4	

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		24.69
Appendix I	Metals	150	150		24.69
Appendix I	VOC	240	240		24.69
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	941.85	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.80	Before purging	10/6/2025	8:16	12.45	929.40		0.0	
		After purging				941.85			
		Top of Screen January 1990				931.05			
						10.80	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				921.05			
		Bottom of Well	10/6/2025		20.80	921.05			
						0.00	feet sedimentation		
		Before Sampling				941.85			
		Recovery				941.85			
		Recovery				941.85			
		Recovery				941.85			
		Recovery				941.85			

IDNR Form 542-1322

Monitoring Well: MW-97 (dg)

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

GENERAL INFORMATION

TOC	1015.38
Well Depth	37.10
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1015.38
Well Depth	37.10
Top Screen	988.28
Bottom Screen	978.28
Bottom Well	978.28
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	31.00
Top sample	984.38
Bottom sample	980.38
Turbidity(NTU)	1.08

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	9:43	11.90	1003.48	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.08
Appendix I	Metals	150	150		1.08
Appendix I	VOC	240	240		1.08
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis2	946			
Supplemental	Minerals	370	0		
Total			400	0	

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

TOC	1015.38	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	37.10	Before purging	10/6/2025	9:43	11.90	1003.48		0.0	
		After purging				1015.38			
		Top of Screen January 1990				988.28			
						27.10	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				978.28			
		Bottom of Well	10/6/2025		36.80	978.58			
						0.30	feet sedimentation		
		Before Sampling				1015.38			
		Recovery				1015.38			
		Recovery				1015.38			
		Recovery				1015.38			
		Recovery				1015.38			

IDNR Form 542-1322

Monitoring Well: MW- 98 (up)

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

GENERAL INFORMATION

TOC	953.24
Well Depth	21.65
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	953.24
Well Depth	21.65
Top Screen	941.81
Bottom Screen	931.81
Bottom Well	931.59
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.50
Top sample	937.74
Bottom sample	933.74
Turbidity(NTU)	5.01

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	12:28	5.79	947.45	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		5.01
Appendix I	Metals	150	150		5.01
Appendix I	VOC	240	240		5.01
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis2	946			
Supplemental		370	0		
Total			400	0	

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

TOC	953.24	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.65	Before purging	10/6/2025	12:28	5.79	947.45		0.0	
		After purging				953.24			
		Top of Screen January 1990				941.81			
						11.43	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				931.59			
		Bottom of Well	10/6/2025		21.65	931.59			
						0.00	feet sedimentation		
		Before Sampling				953.24			
		Recovery				953.24			
		Recovery				953.24			
		Recovery				953.24			
		Recovery				953.24			

IDNR Form 542-1322

Monitoring Well: MW-99 (up)

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

GENERAL INFORMATION

TOC	913.98
Well Depth	21.90
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	913.98
Well Depth	21.90
Top Screen	902.35
Bottom Screen	892.35
Bottom Well	892.08
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.50
Top sample	897.48
Bottom sample	893.48
Turbidity(NTU)	0.90

Date	Time	Water Level	Water Elevation	Notes
10/6/2025	7:57	9.39	904.59	

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		0.90
Appendix I	Metals	150	150		0.90
Appendix I	VOC	240	240		0.90
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis2	946			
Supplemental		370	0		
Total			400	0	

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

TOC	913.98	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.90	Before purging	10/6/2025	7:57	9.39	904.59		0.0	
		After purging				913.98			
		Top of Screen January 1990				902.35			
						11.63	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				892.08			
		Bottom of Well	10/6/2025		21.90	892.08			
						0.00	feet sedimentation		
		Before Sampling				913.98			
		Recovery				913.98			
		Recovery				913.98			
		Recovery				913.98			
		Recovery				913.98			

MARSHALL COUNTY SANITARY LANDFILL
PERMIT # 64-SDP-2-75P

10/6/2025 Sampled by: Todd Whipple Weather Conditions: overcast with sprinkles, 55-65 degrees

IDNR Form 542-1324

	Date	Time	Type	Flowing	Quantity		Discolored	Odor	Litter
SRAMP B	10/6/2025		Tile Outlet	yes	250 ML/57 sec		No	No	No

NTU	pH	Conductivity	Temp.(C)
0.8	--	--	--

IDNR Form 542-1324

	Date	Time	Type	Flowing	Quantity		Discolored	Odor	Litter
PECS B	10/6/2025		Surface Water	No	Dry		No	No	No

NTU	pH	Conductivity	Temp.(C)
--	--	--	--

Appendix B

Statistical Reports

Appendix B.1 – Spring Statistical Evaluation Report

GROUND WATER STATISTICS

FOR THE

MARSHALL COUNTY SANITARY LANDFILL

First Semi-Annual Monitoring Event in 2025

Prepared for:
Marshall County Sanitary Landfill
2313 Marshalltown Blvd.
Marshalltown, Marshall County, IA

Prepared by:
Jeffrey A. Holmgren
Otter Creek Environmental Services, LLC
Elgin, IL
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July 2025

INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the first semi-annual monitoring event in 2025 at the Marshall County Sanitary Landfill in Marshall County, Iowa. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell method is described and then applied to the Marshall County Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA Unified Guidance document ("*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities"*, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for Marshall County Sanitary Landfill includes upgradient wells MW-66, MW-85, MW-98, and MW-99 and downgradient detection sample points GU-2, GU-3, MW-49, MW-54, MW-81, MW-87, MW-89, MW-91, MW-93, MW-94, MW-95, MW-96(R), and MW-97. Detections of volatile organic compounds (VOCs) at wells along the north and west edges of the facility prompted a site remedial and mitigating action plan (SRAMP). Wells MW-89, MW-91, and MW-87 were installed to monitor the effectiveness of the SRAMP. Monitoring well MW-93 was installed adjacent to the leachate holding lagoon. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

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

Organic Compounds:

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

Inorganic constituents:

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

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

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

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

Interwell Statistics: Upgradient versus Downgradient Comparisons

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

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-66, MW-85, MW-98, and MW-99 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-66, MW-85, MW-98, and MW-99, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells MW-87, MW-89, MW-91, MW-93, MW-95, MW-96R, and MW-97 compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks.

For the data obtained during the first semi-annual monitoring event in 2025, the site prediction limit exceedances detected are summarized in the table below.

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

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting Verification
MW-91	Selenium	5.0	4.0000	Nonparametric	Awaiting Verification
MW-93	Arsenic	10.4	7.8000	Nonparametric	Verified
	Cobalt	11.5	5.9879	Normal	Verified
	Nickel	28.6	8.8000	Nonparametric	Verified
MW-96R	Selenium	7.2	4.0000	Nonparametric	Awaiting Verification

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Excluding barium and cobalt, these constituents are rarely detected in the upgradient wells. With the detection frequencies being less than 50% for all but barium and cobalt, nonparametric site prediction limits are used for those trace metals. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

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

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

The 95% LCL for cobalt at MW-93 (8.337 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L. The remainder of the calculated 95% LCLs are below the respective GWPS.

Supplemental Wells

Monitoring wells MW-49, MW-54, MW-81, and MW-94 are designated as supplemental wells, where only trend analysis is required. The data for each well is tested for existing trends using Sen's nonparametric estimate of trend (Attachment D). An increasing trend was identified for arsenic at MW-94. Decreasing trends were identified for barium at MW-49, nickel at MW-54, cobalt at MW-94, and nickel at MW-94.

Intrawell statistics

Because MW-93 monitors a leachate storage lagoon, the current data was also compared to background using intrawell statistics. MW-96R is also evaluated by intrawell statistics at the request of the IDNR. 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 landfill 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 Appendix I trace metals data from well MW-93 and MW-96R were evaluated using the combined Shewhart-CUSUM control chart method. The previous background at MW-93 included the data obtained from October 2014 through April 2018. As ground water monitoring at a municipal solid waste facility proceeds, it is recommended to update background data sets periodically with valid detection monitoring results that are representative of background groundwater quality not affected by leakage from a monitored unit. Failure to update background will exclude factors such as natural temporal variation, changes in field or laboratory methodologies, and changes in the water table due to meteorological conditions or other influences. Ongoing operations at a facility such as excavations or drainage control may affect the ground water flow direction and water quality. An increase in the number of statistical failures, not related to the landfill, is routinely observed for sites neglecting to update the statistical background with valid data points.

Since there were no exceedances attributed to the lagoon and also that there was insufficient background to determine nonparametric limits, the background was updated to include data collected from October 2014 through 2020 for MW-93. The background at MW-96R includes data obtained from 2021 through 2024.

A summary of the intrawell statistics is included in Attachment E, Table 1 "Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts." The control charts or time series graphs follow the summary table.

For the parameters compared to background, there were no control limit exceedances detected. No increasing trends were detected in the background data.

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. For intrawell analysis, the site-wide false positive rate is 3% and the test becomes sensitive to 3 standard deviation units over background.

Volatile Organic Compounds

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

VOCs Detected During the First Semi-Annual Monitoring Event in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified or Awaiting Verification	Ground Water Standard
MW-49	1,1-Dichloroethane	1.5	1	Verified	140[b]
	1,4-Dichlorobenzene	5.6	1	Verified	75[a]
	Benzene	2.7	1	Verified	5[a]
	Chloroethane	5.0	1	Verified	2800[b]
MW-54	1,4-Dichlorobenzene	2.6	1	Verified	75[a]
MW-81	1,1-Dichloroethane	24.6	1	Verified	140[b]
	1,2-Dichloroethane	10.0	1	Verified	5[a]
	1,2-Dichloropropane	2.8	1	Verified	5[a]
	1,4-Dichlorobenzene	5.6	1	Verified	75[a]
	Chlorobenzene	1.8	1	Verified	100[a]
	Chloroethane	6.0	1	Verified	2800[b]
	cis-1,2-Dichloroethene	130	1	Verified	70[a]
	trans-1,2-Dichloroethene	2.3	1	Verified	100[a]
	Vinyl chloride	6.8	1	Verified	2[a]
MW-94	1,1-Dichloroethane	1.1	1	Verified	140[b]
	Benzene	1.4	1	Verified	5[a]
	Chloroethane	3.2	1	Verified	2800[b]
	cis-1,2-Dichloroethene	3.5	1	Verified	70[a]
	Vinyl chloride	2.2	1	Verified	2[a]

a - USEPA MCL
b – Iowa Statewide Standard

This table indicates that these VOCs are generally verified detections. A site remedial and mitigating action plan was implemented due to the presence of these VOCs. Historical VOC detections are summarized in Attachment F.

The verified VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009 (Attachment G).

The 95% LCL for 1,2-dichloroethane at MW-81 (9.443 µg/L) exceeds the USEPA MCL of 5 µg/L.
The 95% LCL for *cis*-1,2-dichloroethene at MW-81 (119.490 µg/L) exceeds the USEPA MCL of 70 µg/L.
The 95% LCL for vinyl chloride at MW-81 (6.534 µg/L) exceeds the USEPA MCL of 2 µg/L.

The remainder of the verified VOC detections are statistically below the respective ground water quality standards.

Attachment A

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

Table 1

Analytical Data Summary for 4/14/2025

Constituents	Units	LW-75	MW-213	MW-49	MW-54	MW-81	MW-85	MW-87	MW-89	MW-91	MW-93	MW-94
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	17.1	2.5	1.5	<1.0	24.6	<1.0	<1.0	<1.0	<1.0	<1.0	1.1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	10	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1.0	2.5	<1.0	<1.0	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-dichlorobenzene	ug/L	375.0	<1.0	5.6	2.6	5.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-butanone (mek)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	6.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	ug/L	33.2	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, as caco3	mg/L	1800		808	564	888						710
Antimony, total	ug/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic, total	ug/L	13.9	<2.0	294.0	6.3	3.4	<2.0	<2.0	<2.0	<2.0	10.4	93.9
Barium, total	ug/L		982.0	315.0	444.0	1950.0	137.0	110.0	289.0	153.0	233.0	290.0
Benzene	ug/L	12.5	1.6	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4
Beryllium, total	ug/L		<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Bod (5 day)	mg/L	131										
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L		<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chemical oxygen demand	mg/L	1030										
Chloride	mg/L	1130										
Chlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L	4.0	2.3	5.0	<1.0	6.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.2
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L		1.4	1.2	<1.0	1.2	1.3	1.4	1.2	1.1	1.5	<1.0
Cis-1,2-dichloroethylene	ug/L	15.7	20.9	<1.0	<1.0	130.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.5
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	19.9	<.5	51.6	10.2	9.2	<.5	<.5	<.5	<.5	11.5	6.5
Copper, total	ug/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethane	ug/L	<5	<5	<5	<5	<5						
Ethene	ug/L	<5	<5	<5	<5	<5						
Ethylbenzene	ug/L	246	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methane	ug/L	5470.0	13.2	1520.0	<5.0	1700.0						
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	147	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L		<5.0	22.1	17.2	9.8	<5.0	<5.0	<5.0	<5.0	28.3	6.2
Nitrogen, ammonia	mg/L	87.9										
pH	pH	6.7		6.5	6.7	6.5						6.6
Selenium, total	ug/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5.0	<2.0	<2.0
Silver, total	ug/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Solids, total dissolved	mg/L	3490										
Solids, total suspended	mg/L	<20										
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	64.9										
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L		<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Toluene	ug/L	230	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	6.4	2.5	<1.0	<1.0	6.8	<1.0	<1.0	<1.0	<1.0	<1.0	2.2
Xylenes, total	ug/L	165	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L		<5.0	12.6	7.5	5.1	9.7	<5.0	<5.0	6.3	8.7	<5.0

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

Table 1

Analytical Data Summary for 4/14/2025

Constituents	MW-95	MW-96R	MW-97	MW-98	MW-99	SRAMP B
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-butanone (mek)	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5
Alkalinity, as caco3						
Antimony, total	<1	<1	<1	<1	<1	<1
Arsenic, total	<2.0	<2.0	<2.0	2.4	<2.0	<2.0
Barium, total	33.6	126.0	313.0	131.0	104.0	16.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Beryllium, total	<.5	<.5	<.5	<.5	<.5	<.5
Bod (5 day)						
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Cadmium, total	<.2	.3	<.2	<.2	.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chemical oxygen demand						
Chloride						
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chromium, total	<1.0	1.1	1.6	1.0	1.1	<1.0
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	<.5	.9	<.5	1.2	2.5	<.5
Copper, total	<5	<5	<5	<5	<5	<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Ethane						
Ethene						
Ethylbenzene	<1	<1	<1	<1	<1	<1
Lead, total	<1	<1	<1	<1	<1	<1
Methane						
Methyl iodide	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5
Nickel, total	<5.0	5.2	<5.0	<5.0	<5.0	<5.0
Nitrogen, ammonia						
pH						
Selenium, total	<2.0	7.2	2.3	<2.0	<2.0	<2.0
Silver, total	<5	<5	<5	<5	<5	<5
Solids, total dissolved						
Solids, total suspended						
Styrene	<1	<1	<1	<1	<1	<1
Sulfate						
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<.5	<.5	<.5	<.5	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<2	<2	<2	<2	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	7.6	9.7	<5.0	6.2	7.1	<5.0

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-66	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-66	01/14/2015	ND	2.0000		
Antimony, total	ug/L	MW-66	04/03/2015	ND	2.0000		
Antimony, total	ug/L	MW-66	07/06/2015	ND	2.0000		
Antimony, total	ug/L	MW-66	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-66	04/14/2016	ND	2.0000		
Antimony, total	ug/L	MW-66	10/13/2016	ND	2.0000		
Antimony, total	ug/L	MW-66	04/10/2017	ND	2.0000		
Arsenic, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Arsenic, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Arsenic, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Arsenic, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Arsenic, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Arsenic, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Arsenic, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Barium, total	ug/L	MW-66	10/16/2014		325.0000		
Barium, total	ug/L	MW-66	01/14/2015		412.0000		
Barium, total	ug/L	MW-66	04/03/2015		524.0000		
Barium, total	ug/L	MW-66	07/06/2015		560.0000		
Barium, total	ug/L	MW-66	10/01/2015		612.0000		
Barium, total	ug/L	MW-66	04/14/2016		395.0000		
Barium, total	ug/L	MW-66	10/13/2016		413.0000		
Barium, total	ug/L	MW-66	04/10/2017		371.0000		
Beryllium, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Beryllium, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Beryllium, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Beryllium, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Beryllium, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Beryllium, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Cadmium, total	ug/L	MW-66	10/16/2014	ND	0.8000		
Cadmium, total	ug/L	MW-66	01/14/2015	ND	0.8000		
Cadmium, total	ug/L	MW-66	04/03/2015	ND	0.8000		
Cadmium, total	ug/L	MW-66	07/06/2015	ND	0.8000		
Cadmium, total	ug/L	MW-66	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-66	04/14/2016	ND	0.8000		
Cadmium, total	ug/L	MW-66	10/13/2016	ND	0.8000		
Cadmium, total	ug/L	MW-66	04/10/2017	ND	0.8000		
Chromium, total	ug/L	MW-66	10/16/2014	ND	8.0000		
Chromium, total	ug/L	MW-66	01/14/2015	ND	8.0000		
Chromium, total	ug/L	MW-66	04/03/2015	ND	8.0000		
Chromium, total	ug/L	MW-66	07/06/2015	ND	8.0000		
Chromium, total	ug/L	MW-66	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-66	04/14/2016	ND	8.0000		
Chromium, total	ug/L	MW-66	10/13/2016	ND	8.0000		
Chromium, total	ug/L	MW-66	04/10/2017	ND	8.0000		
Cobalt, total	ug/L	MW-66	10/16/2014	ND	0.8000		
Cobalt, total	ug/L	MW-66	01/14/2015	ND	0.8000		
Cobalt, total	ug/L	MW-66	04/03/2015	ND	0.8000		
Cobalt, total	ug/L	MW-66	07/06/2015	ND	0.8000		
Cobalt, total	ug/L	MW-66	10/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-66	04/14/2016	ND	0.8000		
Cobalt, total	ug/L	MW-66	10/13/2016		0.9000		
Cobalt, total	ug/L	MW-66	04/10/2017	ND	0.8000		
Copper, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Copper, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Copper, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Copper, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Copper, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Copper, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Copper, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Lead, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Lead, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Lead, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Lead, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Lead, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Lead, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Lead, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Nickel, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Nickel, total	ug/L	MW-66	01/14/2015	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Nickel, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Nickel, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Nickel, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Nickel, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Selenium, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Selenium, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Selenium, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Selenium, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Selenium, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Selenium, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Silver, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Silver, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Silver, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Silver, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Silver, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Silver, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Thallium, total	ug/L	MW-66	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	01/14/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	04/03/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	07/06/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-66	04/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	10/13/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	04/10/2017	ND	4.0000	2.0000	**
Vanadium, total	ug/L	MW-66	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-66	01/14/2015	ND	20.0000		
Vanadium, total	ug/L	MW-66	04/03/2015	ND	20.0000		
Vanadium, total	ug/L	MW-66	07/06/2015	ND	20.0000		
Vanadium, total	ug/L	MW-66	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-66	04/14/2016	ND	20.0000		
Vanadium, total	ug/L	MW-66	10/13/2016	ND	20.0000		
Vanadium, total	ug/L	MW-66	04/10/2017	ND	20.0000		
Zinc, total	ug/L	MW-66	10/16/2014	ND	20.0000		
Zinc, total	ug/L	MW-66	01/14/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-66	04/03/2015		54.6000		
Zinc, total	ug/L	MW-66	07/06/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-66	10/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-66	04/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-66	10/13/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-66	04/10/2017	ND	8.0000	20.0000	**
Antimony, total	ug/L	MW-85	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-85	01/14/2015	ND	2.0000		
Antimony, total	ug/L	MW-85	04/03/2015	ND	2.0000		
Antimony, total	ug/L	MW-85	07/06/2015	ND	2.0000		
Antimony, total	ug/L	MW-85	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-85	04/14/2016	ND	2.0000		
Antimony, total	ug/L	MW-85	10/13/2016	ND	2.0000		
Antimony, total	ug/L	MW-85	04/10/2017	ND	2.0000		
Antimony, total	ug/L	MW-85	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-85	04/17/2018	ND	2.0000		
Antimony, total	ug/L	MW-85	10/22/2018	ND	2.0000		
Antimony, total	ug/L	MW-85	04/22/2019	ND	2.0000		
Antimony, total	ug/L	MW-85	10/23/2019	ND	2.0000		
Antimony, total	ug/L	MW-85	04/10/2020	ND	2.0000		
Antimony, total	ug/L	MW-85	10/19/2020	ND	2.0000		
Antimony, total	ug/L	MW-85	04/05/2021	ND	2.0000		
Antimony, total	ug/L	MW-85	10/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-85	04/06/2022	ND	2.0000		
Antimony, total	ug/L	MW-85	10/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-85	04/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-85	10/13/2023	ND	2.0000		
Antimony, total	ug/L	MW-85	04/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-85	10/15/2024	ND	2.0000		
Antimony, total	ug/L	MW-85	04/14/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Arsenic, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Arsenic, total	ug/L	MW-85	07/06/2015	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/22/2018	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/14/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-85	10/16/2014		138.0000		
Barium, total	ug/L	MW-85	01/14/2015		157.0000		
Barium, total	ug/L	MW-85	04/03/2015		167.0000		
Barium, total	ug/L	MW-85	07/06/2015		143.0000		
Barium, total	ug/L	MW-85	10/01/2015		135.0000		
Barium, total	ug/L	MW-85	04/14/2016		155.0000		
Barium, total	ug/L	MW-85	10/13/2016		149.0000		
Barium, total	ug/L	MW-85	04/10/2017		175.0000		
Barium, total	ug/L	MW-85	10/09/2017		143.0000		
Barium, total	ug/L	MW-85	04/17/2018		142.0000		
Barium, total	ug/L	MW-85	10/22/2018		146.0000		
Barium, total	ug/L	MW-85	04/22/2019		152.0000		
Barium, total	ug/L	MW-85	10/23/2019		126.0000		
Barium, total	ug/L	MW-85	04/10/2020		160.0000		
Barium, total	ug/L	MW-85	10/19/2020		151.0000		
Barium, total	ug/L	MW-85	04/05/2021		135.0000		
Barium, total	ug/L	MW-85	10/08/2021		121.0000		
Barium, total	ug/L	MW-85	04/06/2022		133.0000		
Barium, total	ug/L	MW-85	10/25/2022		138.0000		
Barium, total	ug/L	MW-85	04/11/2023		141.0000		
Barium, total	ug/L	MW-85	10/13/2023		143.0000		
Barium, total	ug/L	MW-85	04/17/2024		144.0000		
Barium, total	ug/L	MW-85	10/15/2024		136.0000		
Barium, total	ug/L	MW-85	04/14/2025		137.0000		
Beryllium, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Beryllium, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/22/2018	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/14/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-85	10/16/2014	ND	0.8000		
Cadmium, total	ug/L	MW-85	01/14/2015	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/03/2015	ND	0.8000		
Cadmium, total	ug/L	MW-85	07/06/2015	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/14/2016	ND	0.8000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-85	10/13/2016	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/10/2017	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/17/2018	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/22/2018	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/22/2019	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/23/2019	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/10/2020	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/19/2020	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/05/2021	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/06/2022	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/13/2023	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/17/2024	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/15/2024	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/14/2025	ND	0.2000	0.8000	**
Chromium, total	ug/L	MW-85	10/16/2014	ND	8.0000		
Chromium, total	ug/L	MW-85	01/14/2015	ND	8.0000		
Chromium, total	ug/L	MW-85	04/03/2015	ND	8.0000		
Chromium, total	ug/L	MW-85	07/06/2015	ND	8.0000		
Chromium, total	ug/L	MW-85	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-85	04/14/2016	ND	8.0000		
Chromium, total	ug/L	MW-85	10/13/2016	ND	8.0000		
Chromium, total	ug/L	MW-85	04/10/2017	ND	8.0000		
Chromium, total	ug/L	MW-85	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-85	04/17/2018	ND	8.0000		
Chromium, total	ug/L	MW-85	10/22/2018	ND	8.0000		
Chromium, total	ug/L	MW-85	04/22/2019	ND	8.0000		
Chromium, total	ug/L	MW-85	10/23/2019	ND	8.0000		
Chromium, total	ug/L	MW-85	04/10/2020	ND	8.0000		
Chromium, total	ug/L	MW-85	10/19/2020	ND	8.0000		
Chromium, total	ug/L	MW-85	04/05/2021	ND	8.0000		
Chromium, total	ug/L	MW-85	10/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-85	04/06/2022	ND	8.0000		
Chromium, total	ug/L	MW-85	10/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-85	04/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-85	10/13/2023	ND	8.0000		
Chromium, total	ug/L	MW-85	04/17/2024	ND	8.0000		
Chromium, total	ug/L	MW-85	10/15/2024	ND	8.0000		
Chromium, total	ug/L	MW-85	04/14/2025		1.3000		
Cobalt, total	ug/L	MW-85	10/16/2014	ND	0.8000		
Cobalt, total	ug/L	MW-85	01/14/2015	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/03/2015	ND	0.8000		
Cobalt, total	ug/L	MW-85	07/06/2015	ND	0.8000		
Cobalt, total	ug/L	MW-85	10/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/14/2016	ND	0.8000		
Cobalt, total	ug/L	MW-85	10/13/2016	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/10/2017	ND	0.8000		
Cobalt, total	ug/L	MW-85	10/09/2017	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/17/2018	ND	0.8000		
Cobalt, total	ug/L	MW-85	10/22/2018	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/22/2019	ND	0.8000		
Cobalt, total	ug/L	MW-85	10/23/2019	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/10/2020		0.4000		
Cobalt, total	ug/L	MW-85	10/19/2020		0.4000		
Cobalt, total	ug/L	MW-85	04/05/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	10/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	04/06/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	10/25/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	04/11/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	10/13/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	04/17/2024		0.4000		
Cobalt, total	ug/L	MW-85	10/15/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	04/14/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Copper, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Copper, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Copper, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Copper, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Copper, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Copper, total	ug/L	MW-85	04/10/2017	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Copper, total	ug/L	MW-85	10/22/2018		4.8000		
Copper, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Copper, total	ug/L	MW-85	10/23/2019		4.0000		
Copper, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Copper, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Copper, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Copper, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Copper, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Copper, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Copper, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Copper, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Copper, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Copper, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Copper, total	ug/L	MW-85	04/14/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Lead, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Lead, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Lead, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Lead, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Lead, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Lead, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Lead, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Lead, total	ug/L	MW-85	10/22/2018	ND	4.0000		
Lead, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Lead, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Lead, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Lead, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Lead, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Lead, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Lead, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Lead, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Lead, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Lead, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Lead, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Lead, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Lead, total	ug/L	MW-85	04/14/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Nickel, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Nickel, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Nickel, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Nickel, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Nickel, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Nickel, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Nickel, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Nickel, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Nickel, total	ug/L	MW-85	10/22/2018		20.6000		*
Nickel, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Nickel, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Nickel, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Nickel, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Nickel, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Nickel, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Nickel, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Nickel, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Nickel, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Nickel, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Nickel, total	ug/L	MW-85	04/14/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Selenium, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Selenium, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Selenium, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Selenium, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Selenium, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Selenium, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-85	04/17/2018	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-85	10/22/2018	ND	4.0000		
Selenium, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Selenium, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Selenium, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Selenium, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Selenium, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Selenium, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Selenium, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Selenium, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Selenium, total	ug/L	MW-85	04/14/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Silver, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Silver, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Silver, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Silver, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Silver, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Silver, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Silver, total	ug/L	MW-85	10/22/2018	ND	4.0000		
Silver, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Silver, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Silver, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Silver, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Silver, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Silver, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Silver, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Silver, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Silver, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Silver, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Silver, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Silver, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Silver, total	ug/L	MW-85	04/14/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-85	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	01/14/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	04/03/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	07/06/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-85	04/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	10/13/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	04/10/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	04/17/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	10/22/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	04/22/2019	ND	2.0000		
Thallium, total	ug/L	MW-85	10/23/2019	ND	2.0000		
Thallium, total	ug/L	MW-85	04/10/2020	ND	2.0000		
Thallium, total	ug/L	MW-85	10/19/2020	ND	2.0000		
Thallium, total	ug/L	MW-85	04/05/2021	ND	2.0000		
Thallium, total	ug/L	MW-85	10/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-85	04/06/2022	ND	2.0000		
Thallium, total	ug/L	MW-85	10/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-85	04/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-85	10/13/2023	ND	2.0000		
Thallium, total	ug/L	MW-85	04/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-85	10/15/2024	ND	2.0000		
Thallium, total	ug/L	MW-85	04/14/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-85	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-85	01/14/2015	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/03/2015	ND	20.0000		
Vanadium, total	ug/L	MW-85	07/06/2015	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/14/2016	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/13/2016	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/10/2017	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/17/2018	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/22/2018	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/22/2019	ND	20.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-85	10/23/2019	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/10/2020	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/19/2020	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/05/2021	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/06/2022	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/13/2023	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/15/2024	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/14/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-85	10/16/2014	ND	20.0000		
Zinc, total	ug/L	MW-85	01/14/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	04/03/2015		27.0000		
Zinc, total	ug/L	MW-85	07/06/2015		9.1000		
Zinc, total	ug/L	MW-85	10/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	04/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	10/13/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	04/10/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	04/17/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	10/22/2018		125.0000		*
Zinc, total	ug/L	MW-85	04/22/2019	ND	20.0000		
Zinc, total	ug/L	MW-85	10/23/2019	ND	20.0000		
Zinc, total	ug/L	MW-85	04/10/2020	ND	20.0000		
Zinc, total	ug/L	MW-85	10/19/2020	ND	20.0000		
Zinc, total	ug/L	MW-85	04/05/2021	ND	20.0000		
Zinc, total	ug/L	MW-85	10/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-85	04/06/2022	ND	20.0000		
Zinc, total	ug/L	MW-85	10/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-85	04/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-85	10/13/2023	ND	20.0000		
Zinc, total	ug/L	MW-85	04/17/2024	ND	20.0000		
Zinc, total	ug/L	MW-85	10/15/2024	ND	20.0000		
Zinc, total	ug/L	MW-85	04/14/2025		9.7000		
Antimony, total	ug/L	MW-98	10/13/2016	ND	2.0000		
Antimony, total	ug/L	MW-98	04/10/2017	ND	2.0000		
Antimony, total	ug/L	MW-98	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-98	04/17/2018	ND	2.0000		
Antimony, total	ug/L	MW-98	10/22/2018	ND	2.0000		
Antimony, total	ug/L	MW-98	04/22/2019	ND	2.0000		
Antimony, total	ug/L	MW-98	10/23/2019	ND	2.0000		
Antimony, total	ug/L	MW-98	04/10/2020	ND	2.0000		
Antimony, total	ug/L	MW-98	10/19/2020	ND	2.0000		
Antimony, total	ug/L	MW-98	04/05/2021	ND	2.0000		
Antimony, total	ug/L	MW-98	10/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-98	04/06/2022	ND	2.0000		
Antimony, total	ug/L	MW-98	10/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-98	04/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-98	10/13/2023	ND	2.0000		
Antimony, total	ug/L	MW-98	04/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-98	10/15/2024	ND	2.0000		
Antimony, total	ug/L	MW-98	04/14/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-98	10/13/2016		7.4000		
Arsenic, total	ug/L	MW-98	04/10/2017		25.3000		*
Arsenic, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/17/2018		7.8000		
Arsenic, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Arsenic, total	ug/L	MW-98	10/23/2019		4.8000		
Arsenic, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Arsenic, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Arsenic, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Arsenic, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/11/2023		6.4000		
Arsenic, total	ug/L	MW-98	10/13/2023		6.3000		
Arsenic, total	ug/L	MW-98	04/17/2024		48.0000		*
Arsenic, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/14/2025		2.4000		
Barium, total	ug/L	MW-98	10/13/2016		171.0000		
Barium, total	ug/L	MW-98	04/10/2017		241.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, total	ug/L	MW-98	10/09/2017		129.0000		
Barium, total	ug/L	MW-98	04/17/2018		193.0000		
Barium, total	ug/L	MW-98	10/22/2018		102.0000		
Barium, total	ug/L	MW-98	04/22/2019		133.0000		
Barium, total	ug/L	MW-98	10/23/2019		94.4000		
Barium, total	ug/L	MW-98	04/10/2020		157.0000		
Barium, total	ug/L	MW-98	10/19/2020		147.0000		
Barium, total	ug/L	MW-98	04/05/2021		125.0000		
Barium, total	ug/L	MW-98	10/08/2021		149.0000		
Barium, total	ug/L	MW-98	04/06/2022		117.0000		
Barium, total	ug/L	MW-98	10/25/2022		183.0000		
Barium, total	ug/L	MW-98	04/11/2023		136.0000		
Barium, total	ug/L	MW-98	10/13/2023		217.0000		
Barium, total	ug/L	MW-98	04/17/2024		325.0000		
Barium, total	ug/L	MW-98	10/15/2024		137.0000		
Barium, total	ug/L	MW-98	04/14/2025		131.0000		
Beryllium, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/14/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-98	10/13/2016	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/10/2017	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/17/2018	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/22/2018	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/22/2019	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/23/2019	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/10/2020	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/19/2020	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/05/2021	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/06/2022	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/13/2023	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/17/2024	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/15/2024	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/14/2025	ND	0.2000	0.8000	**
Chromium, total	ug/L	MW-98	10/13/2016	ND	8.0000		
Chromium, total	ug/L	MW-98	04/10/2017		9.8000		
Chromium, total	ug/L	MW-98	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-98	04/17/2018	ND	8.0000		
Chromium, total	ug/L	MW-98	10/22/2018	ND	8.0000		
Chromium, total	ug/L	MW-98	04/22/2019	ND	8.0000		
Chromium, total	ug/L	MW-98	10/23/2019	ND	8.0000		
Chromium, total	ug/L	MW-98	04/10/2020	ND	8.0000		
Chromium, total	ug/L	MW-98	10/19/2020	ND	8.0000		
Chromium, total	ug/L	MW-98	04/05/2021	ND	8.0000		
Chromium, total	ug/L	MW-98	10/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-98	04/06/2022	ND	8.0000		
Chromium, total	ug/L	MW-98	10/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-98	04/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-98	10/13/2023	ND	8.0000		
Chromium, total	ug/L	MW-98	04/17/2024	ND	8.0000		
Chromium, total	ug/L	MW-98	10/15/2024	ND	8.0000		
Chromium, total	ug/L	MW-98	04/14/2025		1.0000		
Cobalt, total	ug/L	MW-98	10/13/2016		3.0000		
Cobalt, total	ug/L	MW-98	04/10/2017		4.4000		
Cobalt, total	ug/L	MW-98	10/09/2017		0.8000		
Cobalt, total	ug/L	MW-98	04/17/2018		5.0000		

* - 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	
Cobalt, total	ug/L	MW-98	10/22/2018	ND	0.8000		
Cobalt, total	ug/L	MW-98	04/22/2019		1.3000		
Cobalt, total	ug/L	MW-98	10/23/2019		2.4000		
Cobalt, total	ug/L	MW-98	04/10/2020		2.0000		
Cobalt, total	ug/L	MW-98	10/19/2020		2.2000		
Cobalt, total	ug/L	MW-98	04/05/2021		0.6000		
Cobalt, total	ug/L	MW-98	10/08/2021		2.2000		
Cobalt, total	ug/L	MW-98	04/06/2022		0.7000		
Cobalt, total	ug/L	MW-98	10/25/2022		3.6000		
Cobalt, total	ug/L	MW-98	04/11/2023		2.1000		
Cobalt, total	ug/L	MW-98	10/13/2023		5.5000		
Cobalt, total	ug/L	MW-98	04/17/2024		4.7000		
Cobalt, total	ug/L	MW-98	10/15/2024		1.9000		
Cobalt, total	ug/L	MW-98	04/14/2025		1.2000		
Copper, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Copper, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Copper, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Copper, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Copper, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Copper, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Copper, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Copper, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Copper, total	ug/L	MW-98	04/05/2021		4.1000		
Copper, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Copper, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Copper, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Copper, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Copper, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Copper, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Copper, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Copper, total	ug/L	MW-98	04/14/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Lead, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Lead, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Lead, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Lead, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Lead, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Lead, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Lead, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Lead, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Lead, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Lead, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Lead, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Lead, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Lead, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Lead, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Lead, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Lead, total	ug/L	MW-98	04/14/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Nickel, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Nickel, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Nickel, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Nickel, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Nickel, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Nickel, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Nickel, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Nickel, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Nickel, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Nickel, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Nickel, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Nickel, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Nickel, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Nickel, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Nickel, total	ug/L	MW-98	04/14/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Selenium, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Selenium, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Selenium, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Selenium, total	ug/L	MW-98	04/22/2019	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Selenium, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Selenium, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Selenium, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Selenium, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Selenium, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Selenium, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Selenium, total	ug/L	MW-98	04/14/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Silver, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Silver, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Silver, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Silver, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Silver, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Silver, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Silver, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Silver, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Silver, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Silver, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Silver, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Silver, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Silver, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Silver, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Silver, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Silver, total	ug/L	MW-98	04/14/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-98	10/13/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-98	04/10/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-98	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-98	04/17/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-98	10/22/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-98	04/22/2019	ND	2.0000		
Thallium, total	ug/L	MW-98	10/23/2019	ND	2.0000		
Thallium, total	ug/L	MW-98	04/10/2020	ND	2.0000		
Thallium, total	ug/L	MW-98	10/19/2020	ND	2.0000		
Thallium, total	ug/L	MW-98	04/05/2021	ND	2.0000		
Thallium, total	ug/L	MW-98	10/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-98	04/06/2022	ND	2.0000		
Thallium, total	ug/L	MW-98	10/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-98	04/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-98	10/13/2023	ND	2.0000		
Thallium, total	ug/L	MW-98	04/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-98	10/15/2024	ND	2.0000		
Thallium, total	ug/L	MW-98	04/14/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-98	10/13/2016	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/10/2017	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/17/2018	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/22/2018	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/22/2019	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/23/2019	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/10/2020	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/19/2020	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/05/2021	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/06/2022	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/13/2023	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/15/2024	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/14/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-98	10/13/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-98	04/10/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-98	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-98	04/17/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-98	10/22/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-98	04/22/2019	ND	20.0000		
Zinc, total	ug/L	MW-98	10/23/2019	ND	20.0000		
Zinc, total	ug/L	MW-98	04/10/2020	ND	20.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-98	10/19/2020	ND	20.0000		
Zinc, total	ug/L	MW-98	04/05/2021	ND	20.0000		
Zinc, total	ug/L	MW-98	10/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-98	04/06/2022	ND	20.0000		
Zinc, total	ug/L	MW-98	10/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-98	04/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-98	10/13/2023	ND	20.0000		
Zinc, total	ug/L	MW-98	04/17/2024	ND	20.0000		
Zinc, total	ug/L	MW-98	10/15/2024	ND	20.0000		
Zinc, total	ug/L	MW-98	04/14/2025		6.2000		
Antimony, total	ug/L	MW-99	10/13/2016	ND	2.0000		
Antimony, total	ug/L	MW-99	04/10/2017	ND	2.0000		
Antimony, total	ug/L	MW-99	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-99	04/17/2018	ND	2.0000		
Antimony, total	ug/L	MW-99	10/22/2018	ND	2.0000		
Antimony, total	ug/L	MW-99	04/22/2019	ND	2.0000		
Antimony, total	ug/L	MW-99	10/23/2019	ND	2.0000		
Antimony, total	ug/L	MW-99	04/10/2020	ND	2.0000		
Antimony, total	ug/L	MW-99	10/19/2020	ND	2.0000		
Antimony, total	ug/L	MW-99	04/05/2021	ND	2.0000		
Antimony, total	ug/L	MW-99	10/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-99	04/06/2022	ND	2.0000		
Antimony, total	ug/L	MW-99	10/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-99	04/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-99	10/13/2023	ND	2.0000		
Antimony, total	ug/L	MW-99	04/18/2024	ND	2.0000		
Antimony, total	ug/L	MW-99	10/15/2024	ND	2.0000		
Antimony, total	ug/L	MW-99	04/14/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/05/2021	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/06/2022	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/13/2023	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/14/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-99	10/13/2016		131.0000		
Barium, total	ug/L	MW-99	04/10/2017		109.0000		
Barium, total	ug/L	MW-99	10/09/2017		140.0000		
Barium, total	ug/L	MW-99	04/17/2018		93.9000		
Barium, total	ug/L	MW-99	10/22/2018		81.0000		
Barium, total	ug/L	MW-99	04/22/2019		110.0000		
Barium, total	ug/L	MW-99	10/23/2019		123.0000		
Barium, total	ug/L	MW-99	04/10/2020		124.0000		
Barium, total	ug/L	MW-99	10/19/2020		118.0000		
Barium, total	ug/L	MW-99	04/05/2021		117.0000		
Barium, total	ug/L	MW-99	10/08/2021		130.0000		
Barium, total	ug/L	MW-99	04/06/2022		110.0000		
Barium, total	ug/L	MW-99	10/25/2022		134.0000		
Barium, total	ug/L	MW-99	04/11/2023		89.4000		
Barium, total	ug/L	MW-99	10/13/2023		134.0000		
Barium, total	ug/L	MW-99	04/18/2024		164.0000		
Barium, total	ug/L	MW-99	10/15/2024		88.8000		
Barium, total	ug/L	MW-99	04/14/2025		104.0000		
Beryllium, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/05/2021	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/06/2022	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/13/2023	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/14/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-99	10/13/2016	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/10/2017	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/17/2018	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/22/2018	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/22/2019	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/23/2019	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/10/2020	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/19/2020	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/05/2021	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/06/2022	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/13/2023	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/18/2024	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/15/2024	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/14/2025		0.2000		
Chromium, total	ug/L	MW-99	10/13/2016	ND	8.0000		
Chromium, total	ug/L	MW-99	04/10/2017		23.4000		
Chromium, total	ug/L	MW-99	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-99	04/17/2018	ND	8.0000		
Chromium, total	ug/L	MW-99	10/22/2018	ND	8.0000		
Chromium, total	ug/L	MW-99	04/22/2019	ND	8.0000		
Chromium, total	ug/L	MW-99	10/23/2019	ND	8.0000		
Chromium, total	ug/L	MW-99	04/10/2020	ND	8.0000		
Chromium, total	ug/L	MW-99	10/19/2020	ND	8.0000		
Chromium, total	ug/L	MW-99	04/05/2021	ND	8.0000		
Chromium, total	ug/L	MW-99	10/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-99	04/06/2022	ND	8.0000		
Chromium, total	ug/L	MW-99	10/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-99	04/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-99	10/13/2023	ND	8.0000		
Chromium, total	ug/L	MW-99	04/18/2024	ND	8.0000		
Chromium, total	ug/L	MW-99	10/15/2024	ND	8.0000		
Chromium, total	ug/L	MW-99	04/14/2025		1.1000		
Cobalt, total	ug/L	MW-99	10/13/2016		5.2000		
Cobalt, total	ug/L	MW-99	04/10/2017		3.4000		
Cobalt, total	ug/L	MW-99	10/09/2017		6.0000		
Cobalt, total	ug/L	MW-99	04/17/2018		2.5000		
Cobalt, total	ug/L	MW-99	10/22/2018		0.8000		*
Cobalt, total	ug/L	MW-99	04/22/2019		3.1000		
Cobalt, total	ug/L	MW-99	10/23/2019		2.7000		
Cobalt, total	ug/L	MW-99	04/10/2020		4.1000		
Cobalt, total	ug/L	MW-99	10/19/2020		3.8000		
Cobalt, total	ug/L	MW-99	04/05/2021		3.2000		
Cobalt, total	ug/L	MW-99	10/08/2021		4.0000		
Cobalt, total	ug/L	MW-99	04/06/2022		3.5000		
Cobalt, total	ug/L	MW-99	10/25/2022		3.6000		
Cobalt, total	ug/L	MW-99	04/11/2023		2.2000		
Cobalt, total	ug/L	MW-99	10/13/2023		3.3000		
Cobalt, total	ug/L	MW-99	04/18/2024		4.1000		
Cobalt, total	ug/L	MW-99	10/15/2024		0.9000		*
Cobalt, total	ug/L	MW-99	04/14/2025		2.5000		
Copper, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Copper, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Copper, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Copper, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Copper, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Copper, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Copper, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Copper, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Copper, total	ug/L	MW-99	04/05/2021		5.3000		
Copper, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Copper, total	ug/L	MW-99	04/06/2022	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Copper, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Copper, total	ug/L	MW-99	10/13/2023	ND	4.0000		
Copper, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Copper, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Copper, total	ug/L	MW-99	04/14/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Lead, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Lead, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Lead, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Lead, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Lead, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Lead, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Lead, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Lead, total	ug/L	MW-99	04/05/2021	ND	4.0000		
Lead, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Lead, total	ug/L	MW-99	04/06/2022	ND	4.0000		
Lead, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Lead, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Lead, total	ug/L	MW-99	10/13/2023	ND	4.0000		
Lead, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Lead, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Lead, total	ug/L	MW-99	04/14/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-99	10/13/2016		5.6000		
Nickel, total	ug/L	MW-99	04/10/2017		5.1000		
Nickel, total	ug/L	MW-99	10/09/2017		8.8000		
Nickel, total	ug/L	MW-99	04/17/2018		4.3000		
Nickel, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Nickel, total	ug/L	MW-99	04/22/2019		5.1000		
Nickel, total	ug/L	MW-99	10/23/2019		7.1000		
Nickel, total	ug/L	MW-99	04/10/2020		6.5000		
Nickel, total	ug/L	MW-99	10/19/2020		6.9000		
Nickel, total	ug/L	MW-99	04/05/2021		5.1000		
Nickel, total	ug/L	MW-99	10/08/2021		5.5000		
Nickel, total	ug/L	MW-99	04/06/2022		5.3000		
Nickel, total	ug/L	MW-99	10/25/2022		6.2000		
Nickel, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Nickel, total	ug/L	MW-99	10/13/2023		5.3000		
Nickel, total	ug/L	MW-99	04/18/2024		6.3000		
Nickel, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Nickel, total	ug/L	MW-99	04/14/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Selenium, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Selenium, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Selenium, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Selenium, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Selenium, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Selenium, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Selenium, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Selenium, total	ug/L	MW-99	04/05/2021	ND	4.0000		
Selenium, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-99	04/06/2022	ND	4.0000		
Selenium, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-99	10/13/2023	ND	4.0000		
Selenium, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Selenium, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Selenium, total	ug/L	MW-99	04/14/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Silver, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Silver, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Silver, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Silver, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Silver, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Silver, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Silver, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Silver, total	ug/L	MW-99	04/05/2021	ND	4.0000		
Silver, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Silver, total	ug/L	MW-99	04/06/2022	ND	4.0000		
Silver, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Silver, total	ug/L	MW-99	04/11/2023	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-99	10/13/2023	ND	4.0000		
Silver, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Silver, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Silver, total	ug/L	MW-99	04/14/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-99	10/13/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-99	04/10/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-99	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-99	04/17/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-99	10/22/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-99	04/22/2019	ND	2.0000		
Thallium, total	ug/L	MW-99	10/23/2019	ND	2.0000		
Thallium, total	ug/L	MW-99	04/10/2020	ND	2.0000		
Thallium, total	ug/L	MW-99	10/19/2020	ND	2.0000		
Thallium, total	ug/L	MW-99	04/05/2021	ND	2.0000		
Thallium, total	ug/L	MW-99	10/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-99	04/06/2022	ND	2.0000		
Thallium, total	ug/L	MW-99	10/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-99	04/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-99	10/13/2023	ND	2.0000		
Thallium, total	ug/L	MW-99	04/18/2024	ND	2.0000		
Thallium, total	ug/L	MW-99	10/15/2024	ND	2.0000		
Thallium, total	ug/L	MW-99	04/14/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-99	10/13/2016	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/10/2017	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/17/2018	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/22/2018	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/22/2019	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/23/2019	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/10/2020	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/19/2020	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/05/2021	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/06/2022	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/13/2023	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/18/2024	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/15/2024	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/14/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-99	10/13/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-99	04/10/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-99	10/09/2017		11.2000		
Zinc, total	ug/L	MW-99	04/17/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-99	10/22/2018		23.6000		
Zinc, total	ug/L	MW-99	04/22/2019		27.8000		
Zinc, total	ug/L	MW-99	10/23/2019		20.8000		
Zinc, total	ug/L	MW-99	04/10/2020	ND	20.0000		
Zinc, total	ug/L	MW-99	10/19/2020	ND	20.0000		
Zinc, total	ug/L	MW-99	04/05/2021	ND	20.0000		
Zinc, total	ug/L	MW-99	10/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-99	04/06/2022	ND	20.0000		
Zinc, total	ug/L	MW-99	10/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-99	04/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-99	10/13/2023	ND	20.0000		
Zinc, total	ug/L	MW-99	04/18/2024	ND	20.0000		
Zinc, total	ug/L	MW-99	10/15/2024	ND	20.0000		
Zinc, total	ug/L	MW-99	04/14/2025		7.1000		

* - 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 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	MW-87	04/14/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-87	04/14/2025	ND	2.0000		7.8000
Barium, total	ug/L	MW-87	04/14/2025		110.0000		445.3916
Beryllium, total	ug/L	MW-87	04/14/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-87	04/14/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-87	04/14/2025		1.4000		23.4000
Cobalt, total	ug/L	MW-87	04/14/2025	ND	0.5000		5.8977
Copper, total	ug/L	MW-87	04/14/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-87	04/14/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-87	04/14/2025	ND	5.0000		8.8000
Selenium, total	ug/L	MW-87	04/14/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-87	04/14/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-87	04/14/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-87	04/14/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-87	04/14/2025	ND	5.0000		54.6000
Antimony, total	ug/L	MW-89	04/14/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-89	04/14/2025	ND	2.0000		7.8000
Barium, total	ug/L	MW-89	04/14/2025		289.0000		445.3916
Beryllium, total	ug/L	MW-89	04/14/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-89	04/14/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-89	04/14/2025		1.2000		23.4000
Cobalt, total	ug/L	MW-89	04/14/2025	ND	0.5000		5.8977
Copper, total	ug/L	MW-89	04/14/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-89	04/14/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-89	04/14/2025	ND	5.0000		8.8000
Selenium, total	ug/L	MW-89	04/14/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-89	04/14/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-89	04/14/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-89	04/14/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-89	04/14/2025	ND	5.0000		54.6000
Antimony, total	ug/L	MW-91	04/14/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-91	04/14/2025	ND	2.0000		7.8000
Barium, total	ug/L	MW-91	04/14/2025		153.0000		445.3916
Beryllium, total	ug/L	MW-91	04/14/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-91	04/14/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-91	04/14/2025		1.1000		23.4000
Cobalt, total	ug/L	MW-91	04/14/2025	ND	0.5000		5.8977
Copper, total	ug/L	MW-91	04/14/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-91	04/14/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-91	04/14/2025	ND	5.0000		8.8000
Selenium, total	ug/L	MW-91	04/14/2025		5.0000	*	4.0000
Silver, total	ug/L	MW-91	04/14/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-91	04/14/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-91	04/14/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-91	04/14/2025		6.3000		54.6000
Antimony, total	ug/L	MW-93	04/14/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-93	04/14/2025		10.4000	***	7.8000
Barium, total	ug/L	MW-93	04/14/2025		233.0000		445.3916
Beryllium, total	ug/L	MW-93	04/14/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-93	04/14/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-93	04/14/2025		1.5000		23.4000
Cobalt, total	ug/L	MW-93	04/14/2025		11.5000	***	5.8977
Copper, total	ug/L	MW-93	04/14/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-93	04/14/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-93	04/14/2025		28.3000	***	8.8000
Selenium, total	ug/L	MW-93	04/14/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-93	04/14/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-93	04/14/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-93	04/14/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-93	04/14/2025		8.7000		54.6000
Antimony, total	ug/L	MW-95	04/14/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-95	04/14/2025	ND	2.0000		7.8000
Barium, total	ug/L	MW-95	04/14/2025		33.6000		445.3916
Beryllium, total	ug/L	MW-95	04/14/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-95	04/14/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-95	04/14/2025	ND	1.0000		23.4000
Cobalt, total	ug/L	MW-95	04/14/2025	ND	0.5000		5.8977
Copper, total	ug/L	MW-95	04/14/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-95	04/14/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-95	04/14/2025	ND	5.0000		8.8000
Selenium, total	ug/L	MW-95	04/14/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-95	04/14/2025	ND	5.0000		4.0000

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

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Thallium, total	ug/L	MW-95	04/14/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-95	04/14/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-95	04/14/2025		7.6000		54.6000
Antimony, total	ug/L	MW-96R	04/14/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-96R	04/14/2025	ND	2.0000		7.8000
Barium, total	ug/L	MW-96R	04/14/2025		126.0000		445.3916
Beryllium, total	ug/L	MW-96R	04/14/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-96R	04/14/2025		0.3000		0.8000
Chromium, total	ug/L	MW-96R	04/14/2025		1.1000		23.4000
Cobalt, total	ug/L	MW-96R	04/14/2025		0.9000	**	5.8977
Copper, total	ug/L	MW-96R	04/14/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-96R	04/14/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-96R	04/14/2025		5.2000		8.8000
Selenium, total	ug/L	MW-96R	04/14/2025		7.2000	*	4.0000
Silver, total	ug/L	MW-96R	04/14/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-96R	04/14/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-96R	04/14/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-96R	04/14/2025		9.7000		54.6000
Antimony, total	ug/L	MW-97	04/14/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-97	04/14/2025	ND	2.0000		7.8000
Barium, total	ug/L	MW-97	04/14/2025		313.0000		445.3916
Beryllium, total	ug/L	MW-97	04/14/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-97	04/14/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-97	04/14/2025		1.6000		23.4000
Cobalt, total	ug/L	MW-97	04/14/2025	ND	0.5000		5.8977
Copper, total	ug/L	MW-97	04/14/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-97	04/14/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-97	04/14/2025	ND	5.0000		8.8000
Selenium, total	ug/L	MW-97	04/14/2025		2.3000		4.0000
Silver, total	ug/L	MW-97	04/14/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-97	04/14/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-97	04/14/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-97	04/14/2025	ND	5.0000		54.6000

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

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	68	0.000	0	211	0.000
Arsenic, total	6	66	0.091	51	220	0.232
Barium, total	68	68	1.000	214	214	1.000
Beryllium, total	0	68	0.000	0	211	0.000
Cadmium, total	1	68	0.015	6	211	0.028
Chromium, total	5	68	0.074	13	211	0.062
Cobalt, total	37	66	0.561	50	219	0.228
Copper, total	4	68	0.059	31	216	0.144
Lead, total	0	68	0.000	12	211	0.057
Nickel, total	14	67	0.209	86	213	0.404
Selenium, total	0	68	0.000	11	216	0.051
Silver, total	0	68	0.000	0	211	0.000
Thallium, total	0	68	0.000	0	211	0.000
Vanadium, total	0	68	0.000	11	212	0.052
Zinc, total	10	67	0.149	57	212	0.269

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, total	0	68	0.000									nonpar
Arsenic, total	6	66	0.091	0.344	1.494					2.326	normal	nonpar
Barium, total	68	68	1.000	0.767	0.923					2.326	normal	normal
Beryllium, total	0	68	0.000									nonpar
Cadmium, total	1	68	0.015									nonpar
Chromium, total	5	68	0.074									nonpar
Cobalt, total	37	66	0.561	1.412	0.073					2.326	normal	normal
Copper, total	4	68	0.059									nonpar
Lead, total	0	68	0.000									nonpar
Nickel, total	14	67	0.209	1.049	0.057					2.326	normal	nonpar
Selenium, total	0	68	0.000									nonpar
Silver, total	0	68	0.000									nonpar
Thallium, total	0	68	0.000									nonpar
Vanadium, total	0	68	0.000									nonpar
Zinc, total	10	67	0.149	0.889	1.065					2.326	normal	nonpar

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	68					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	6	66					7.8000	nonpar		0.99
Barium, total	ug/L	68	68	177.4632	111.6024	0.0100	2.4007	445.3916	normal		
Beryllium, total	ug/L	0	68					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	1	68					0.8000	nonpar	***	0.99
Chromium, total	ug/L	5	68					23.4000	nonpar		0.99
Cobalt, total	ug/L	37	66	1.5591	1.8055	0.0100	2.4031	5.8977	normal		
Copper, total	ug/L	4	68					5.3000	nonpar		0.99
Lead, total	ug/L	0	68					4.0000	nonpar	***	0.99
Nickel, total	ug/L	14	67					8.8000	nonpar		0.99
Selenium, total	ug/L	0	68					4.0000	nonpar	***	0.99
Silver, total	ug/L	0	68					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	68					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	0	68					20.0000	nonpar	***	0.99
Zinc, total	ug/L	10	67					54.6000	nonpar		0.99

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

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Arsenic, total	ug/L	MW-98	04/17/2024	48.0000		10/13/2016-04/14/2025	17	0.5798
Cobalt, total	ug/L	MW-99	10/22/2018	0.8000		10/13/2016-04/14/2025	18	0.5798
Cobalt, total	ug/L	MW-99	10/15/2024	0.9000		10/13/2016-04/14/2025	18	0.5798

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

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, total	ug/L	MW-91	03/28/2008	ND	12.5000		4.0000
Selenium, total	ug/L	MW-91	06/20/2008	ND	5.0000		4.0000
Selenium, total	ug/L	MW-91	08/05/2008	ND	5.0000		4.0000
Selenium, total	ug/L	MW-91	10/03/2008	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	12/10/2008	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/02/2009	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/21/2009	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/20/2010	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/08/2010	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/05/2011	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/06/2011	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/10/2012	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/09/2012	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/04/2013	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/16/2013	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/10/2014	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/16/2014	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/03/2015	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/01/2015	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/14/2016	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/13/2016	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/10/2017		6.5000	*	4.0000
Selenium, total	ug/L	MW-91	07/11/2017	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/09/2017		4.7000	*	4.0000
Selenium, total	ug/L	MW-91	01/09/2018	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/17/2018		5.6000	*	4.0000
Selenium, total	ug/L	MW-91	07/02/2018	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/22/2018	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/22/2019	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/23/2019	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/10/2020	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/19/2020		4.1000	*	4.0000
Selenium, total	ug/L	MW-91	01/07/2021	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/05/2021		5.3000	*	4.0000
Selenium, total	ug/L	MW-91	10/08/2021	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/06/2022	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/25/2022	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/11/2023	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	11/09/2023	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/16/2024	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/15/2024	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/14/2025		5.0000	*	4.0000
Arsenic, total	ug/L	MW-93	08/21/2008	ND	20.0000		7.8000
Arsenic, total	ug/L	MW-93	10/03/2008	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	12/08/2008	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	02/11/2009	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	04/02/2009	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	10/16/2009	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	04/20/2010		10.9000	*	7.8000
Arsenic, total	ug/L	MW-93	10/08/2010		11.1000	*	7.8000
Arsenic, total	ug/L	MW-93	04/05/2011	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	10/06/2011	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	04/10/2012		4.2000		7.8000
Arsenic, total	ug/L	MW-93	10/09/2012		4.4000		7.8000
Arsenic, total	ug/L	MW-93	04/04/2013	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	10/16/2013	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	04/10/2014		9.2000	*	7.8000
Arsenic, total	ug/L	MW-93	10/16/2014		5.1000		7.8000
Arsenic, total	ug/L	MW-93	04/06/2015		5.9000		7.8000
Arsenic, total	ug/L	MW-93	10/01/2015		5.2000		7.8000
Arsenic, total	ug/L	MW-93	04/14/2016		16.1000	*	7.8000
Arsenic, total	ug/L	MW-93	10/13/2016		6.5000		7.8000
Arsenic, total	ug/L	MW-93	04/10/2017		5.5000		7.8000
Arsenic, total	ug/L	MW-93	10/09/2017	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	04/17/2018		5.4000		7.8000
Arsenic, total	ug/L	MW-93	10/22/2018		18.4000	*	7.8000
Arsenic, total	ug/L	MW-93	04/22/2019		67.3000	*	7.8000
Arsenic, total	ug/L	MW-93	10/23/2019		13.6000	*	7.8000
Arsenic, total	ug/L	MW-93	04/10/2020		17.5000	*	7.8000
Arsenic, total	ug/L	MW-93	10/19/2020		4.8000		7.8000
Arsenic, total	ug/L	MW-93	04/05/2021		10.5000	*	7.8000

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

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, total	ug/L	MW-93	10/08/2021		11.4000	*	7.8000
Arsenic, total	ug/L	MW-93	04/06/2022		11.1000	*	7.8000
Arsenic, total	ug/L	MW-93	10/25/2022		58.5000	*	7.8000
Arsenic, total	ug/L	MW-93	04/11/2023		9.3000	*	7.8000
Arsenic, total	ug/L	MW-93	10/13/2023		59.6000	*	7.8000
Arsenic, total	ug/L	MW-93	04/16/2024		11.9000	*	7.8000
Arsenic, total	ug/L	MW-93	10/15/2024		15.2000	*	7.8000
Arsenic, total	ug/L	MW-93	04/14/2025		10.4000	*	7.8000
Cobalt, total	ug/L	MW-93	08/21/2008	ND	10.0000		5.8977
Cobalt, total	ug/L	MW-93	10/03/2008	ND	4.0000		5.8977
Cobalt, total	ug/L	MW-93	12/08/2008	ND	4.0000		5.8977
Cobalt, total	ug/L	MW-93	02/11/2009	ND	4.0000		5.8977
Cobalt, total	ug/L	MW-93	04/02/2009	ND	4.0000		5.8977
Cobalt, total	ug/L	MW-93	10/16/2009	ND	4.0000		5.8977
Cobalt, total	ug/L	MW-93	04/20/2010		11.6000	*	5.8977
Cobalt, total	ug/L	MW-93	10/08/2010		16.2000	*	5.8977
Cobalt, total	ug/L	MW-93	04/05/2011		9.2000	*	5.8977
Cobalt, total	ug/L	MW-93	10/06/2011		8.6000	*	5.8977
Cobalt, total	ug/L	MW-93	04/10/2012		4.8000		5.8977
Cobalt, total	ug/L	MW-93	10/09/2012		4.5000		5.8977
Cobalt, total	ug/L	MW-93	04/04/2013		4.5000		5.8977
Cobalt, total	ug/L	MW-93	10/16/2013		4.6000		5.8977
Cobalt, total	ug/L	MW-93	04/10/2014		11.2000	*	5.8977
Cobalt, total	ug/L	MW-93	10/16/2014		7.3000	*	5.8977
Cobalt, total	ug/L	MW-93	04/06/2015		9.7000	*	5.8977
Cobalt, total	ug/L	MW-93	10/01/2015		7.5000	*	5.8977
Cobalt, total	ug/L	MW-93	04/14/2016		14.7000	*	5.8977
Cobalt, total	ug/L	MW-93	10/13/2016		6.6000	*	5.8977
Cobalt, total	ug/L	MW-93	04/10/2017		8.6000	*	5.8977
Cobalt, total	ug/L	MW-93	10/09/2017		5.2000		5.8977
Cobalt, total	ug/L	MW-93	04/17/2018		5.9000	*	5.8977
Cobalt, total	ug/L	MW-93	10/22/2018		9.9000	*	5.8977
Cobalt, total	ug/L	MW-93	04/22/2019		18.9000	*	5.8977
Cobalt, total	ug/L	MW-93	10/23/2019		8.3000	*	5.8977
Cobalt, total	ug/L	MW-93	04/10/2020		11.3000	*	5.8977
Cobalt, total	ug/L	MW-93	10/19/2020		4.6000		5.8977
Cobalt, total	ug/L	MW-93	04/05/2021		7.9000	*	5.8977
Cobalt, total	ug/L	MW-93	10/08/2021		7.1000	*	5.8977
Cobalt, total	ug/L	MW-93	04/06/2022		8.7000	*	5.8977
Cobalt, total	ug/L	MW-93	10/25/2022		8.6000	*	5.8977
Cobalt, total	ug/L	MW-93	04/11/2023		9.0000	*	5.8977
Cobalt, total	ug/L	MW-93	10/13/2023		8.3000	*	5.8977
Cobalt, total	ug/L	MW-93	04/16/2024		9.8000	*	5.8977
Cobalt, total	ug/L	MW-93	10/15/2024		9.9000	*	5.8977
Cobalt, total	ug/L	MW-93	04/14/2025		11.5000	*	5.8977
Nickel, total	ug/L	MW-93	08/21/2008		29.0000	*	8.8000
Nickel, total	ug/L	MW-93	10/03/2008		28.9000	*	8.8000
Nickel, total	ug/L	MW-93	12/08/2008		23.8000	*	8.8000
Nickel, total	ug/L	MW-93	02/11/2009		30.4000	*	8.8000
Nickel, total	ug/L	MW-93	04/02/2009		32.1000	*	8.8000
Nickel, total	ug/L	MW-93	10/16/2009		30.2000	*	8.8000
Nickel, total	ug/L	MW-93	01/29/2010		35.3000	*	8.8000
Nickel, total	ug/L	MW-93	04/20/2010		45.5000	*	8.8000
Nickel, total	ug/L	MW-93	10/08/2010		69.8000	*	8.8000
Nickel, total	ug/L	MW-93	04/05/2011		37.5000	*	8.8000
Nickel, total	ug/L	MW-93	10/06/2011		31.9000	*	8.8000
Nickel, total	ug/L	MW-93	04/10/2012		29.6000	*	8.8000
Nickel, total	ug/L	MW-93	10/09/2012		23.5000	*	8.8000
Nickel, total	ug/L	MW-93	04/04/2013		13.8000	*	8.8000
Nickel, total	ug/L	MW-93	10/16/2013		21.5000	*	8.8000
Nickel, total	ug/L	MW-93	04/10/2014		43.1000	*	8.8000
Nickel, total	ug/L	MW-93	10/16/2014		34.6000	*	8.8000
Nickel, total	ug/L	MW-93	04/06/2015		42.6000	*	8.8000
Nickel, total	ug/L	MW-93	10/01/2015		36.0000	*	8.8000
Nickel, total	ug/L	MW-93	04/14/2016		26.5000	*	8.8000
Nickel, total	ug/L	MW-93	10/13/2016		31.8000	*	8.8000
Nickel, total	ug/L	MW-93	04/10/2017		27.3000	*	8.8000
Nickel, total	ug/L	MW-93	10/09/2017		28.2000	*	8.8000
Nickel, total	ug/L	MW-93	04/17/2018		26.2000	*	8.8000
Nickel, total	ug/L	MW-93	10/22/2018		35.7000	*	8.8000
Nickel, total	ug/L	MW-93	04/22/2019		24.2000	*	8.8000

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

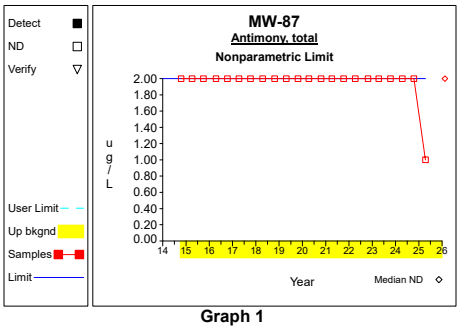
Table 8

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

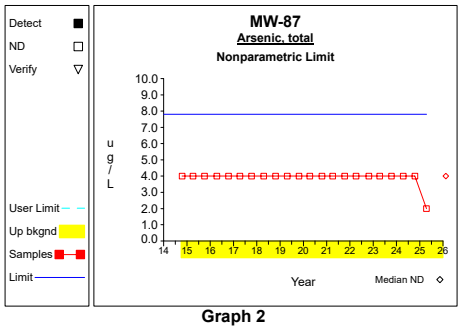
Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, total	ug/L	MW-93	10/23/2019		26.3000	*	8.8000
Nickel, total	ug/L	MW-93	04/10/2020		18.1000	*	8.8000
Nickel, total	ug/L	MW-93	10/19/2020		27.6000	*	8.8000
Nickel, total	ug/L	MW-93	04/05/2021		23.1000	*	8.8000
Nickel, total	ug/L	MW-93	10/08/2021		21.3000	*	8.8000
Nickel, total	ug/L	MW-93	04/06/2022		20.2000	*	8.8000
Nickel, total	ug/L	MW-93	10/25/2022		27.9000	*	8.8000
Nickel, total	ug/L	MW-93	04/11/2023		31.8000	*	8.8000
Nickel, total	ug/L	MW-93	10/13/2023		28.8000	*	8.8000
Nickel, total	ug/L	MW-93	04/16/2024		25.5000	*	8.8000
Nickel, total	ug/L	MW-93	10/15/2024		27.1000	*	8.8000
Nickel, total	ug/L	MW-93	04/14/2025		28.3000	*	8.8000
Cobalt, total	ug/L	MW-96R	04/05/2021		16.8000	*	5.8977
Cobalt, total	ug/L	MW-96R	07/02/2021		11.9000	*	5.8977
Cobalt, total	ug/L	MW-96R	10/08/2021		11.4000	*	5.8977
Cobalt, total	ug/L	MW-96R	04/06/2022		7.6000	*	5.8977
Cobalt, total	ug/L	MW-96R	10/25/2022		11.1000	*	5.8977
Cobalt, total	ug/L	MW-96R	04/11/2023		2.2000		5.8977
Cobalt, total	ug/L	MW-96R	07/07/2023		11.2000	*	5.8977
Cobalt, total	ug/L	MW-96R	07/20/2023		10.0000	*	5.8977
Cobalt, total	ug/L	MW-96R	10/13/2023		10.6000	*	5.8977
Cobalt, total	ug/L	MW-96R	04/16/2024		1.8000		5.8977
Cobalt, total	ug/L	MW-96R	10/15/2024		10.5000	*	5.8977
Cobalt, total	ug/L	MW-96R	04/14/2025		0.9000		5.8977
Selenium, total	ug/L	MW-96R	04/05/2021	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	10/08/2021	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	04/06/2022		9.1000	*	4.0000
Selenium, total	ug/L	MW-96R	10/25/2022	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	04/11/2023		7.8000	*	4.0000
Selenium, total	ug/L	MW-96R	07/07/2023	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	10/13/2023	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	04/16/2024		7.4000	*	4.0000
Selenium, total	ug/L	MW-96R	10/15/2024	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	04/14/2025		7.2000	*	4.0000

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

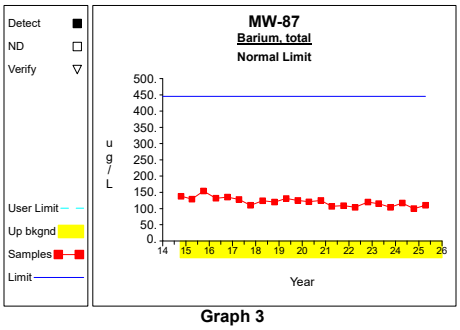
Up vs. Down Prediction Limits



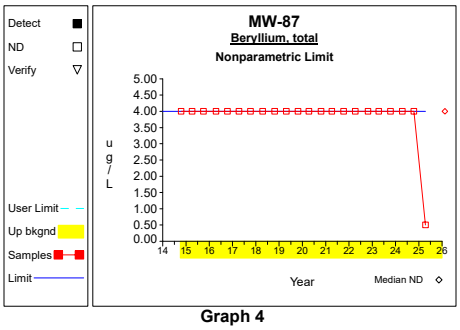
Graph 1



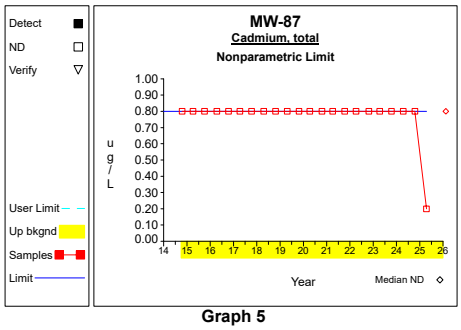
Graph 2



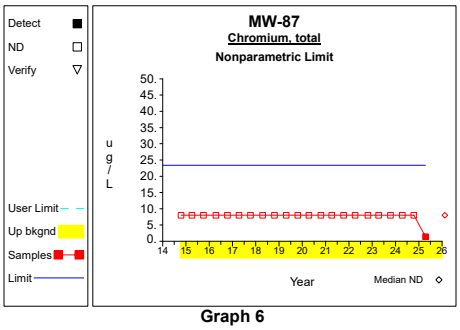
Graph 3



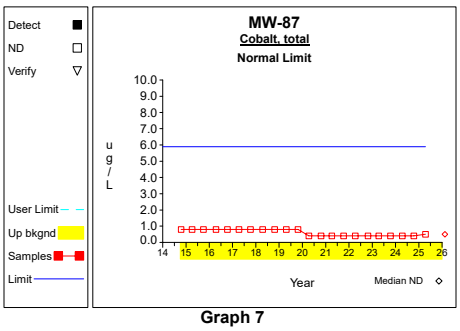
Graph 4



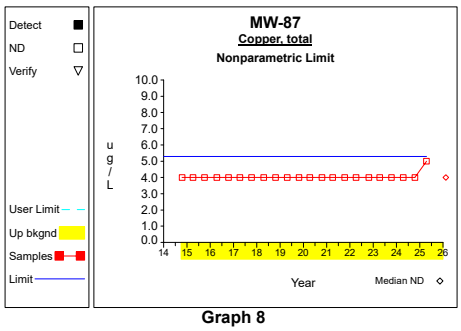
Graph 5



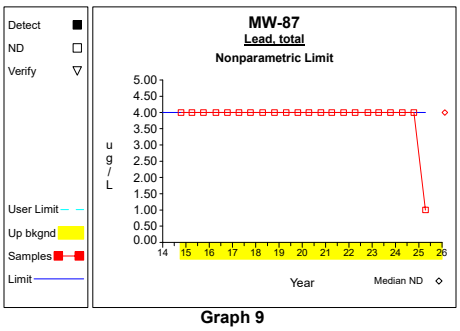
Graph 6



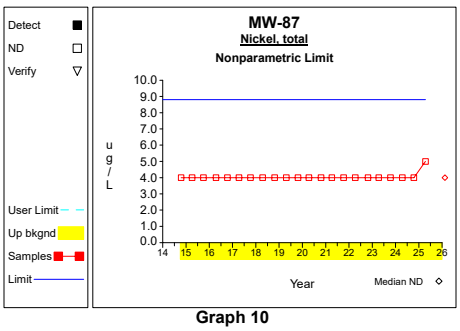
Graph 7



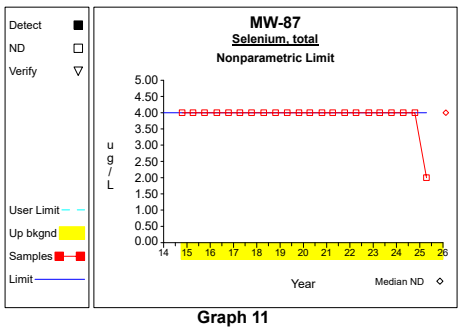
Graph 8



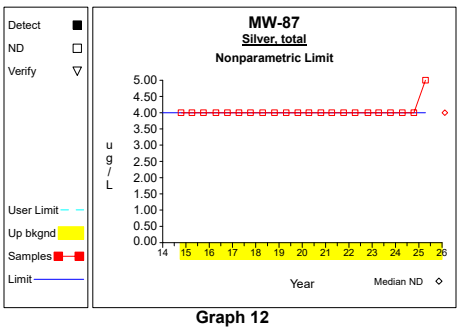
Graph 9



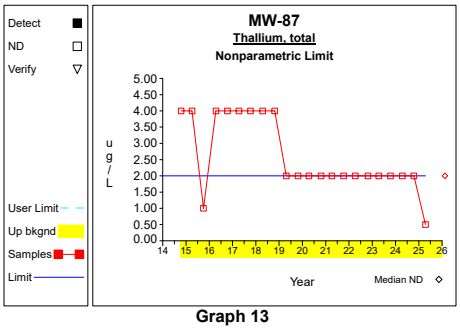
Graph 10



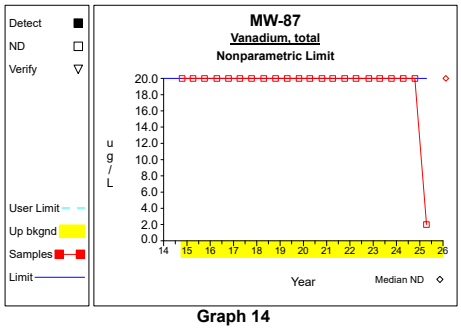
Graph 11



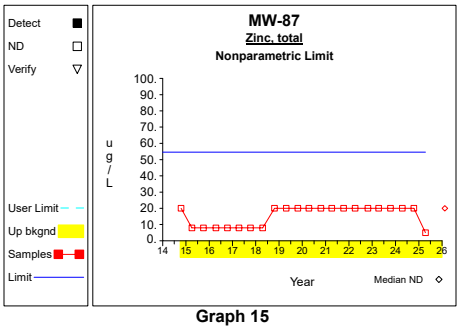
Graph 12



Graph 13



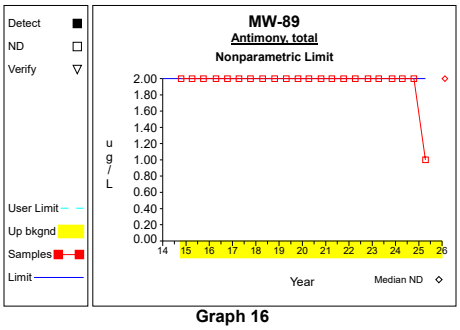
Graph 14



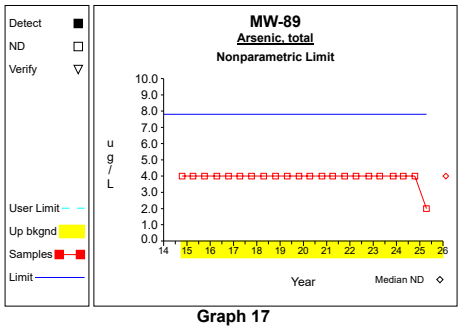
Graph 15

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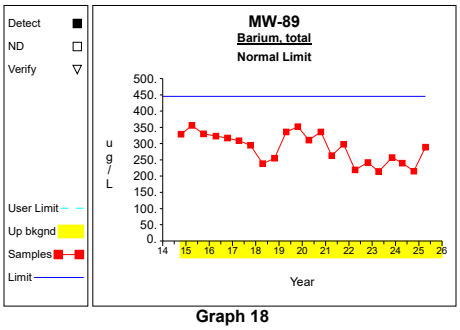
Up vs. Down Prediction Limits



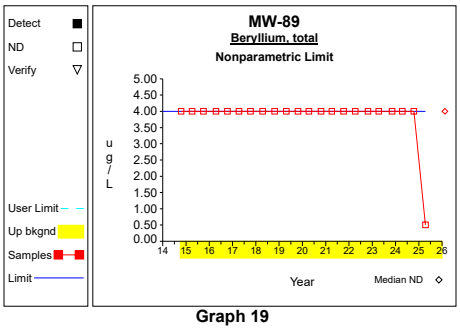
Graph 16



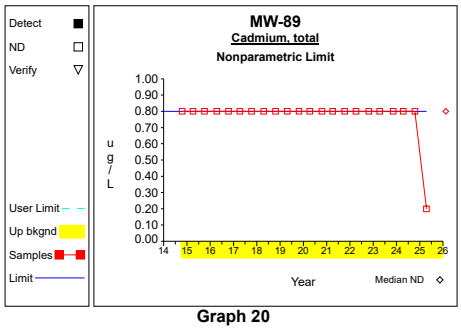
Graph 17



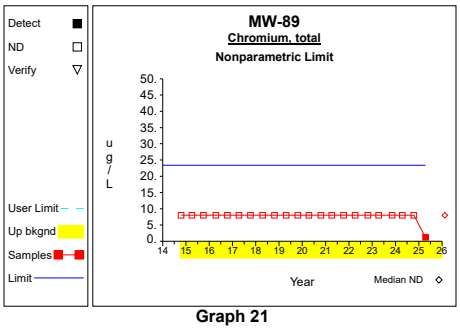
Graph 18



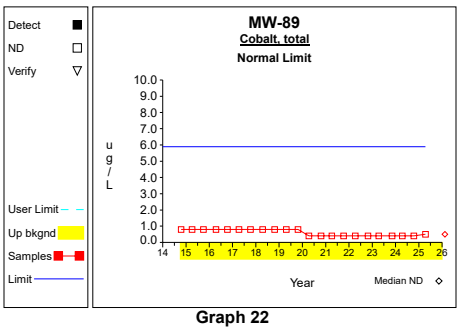
Graph 19



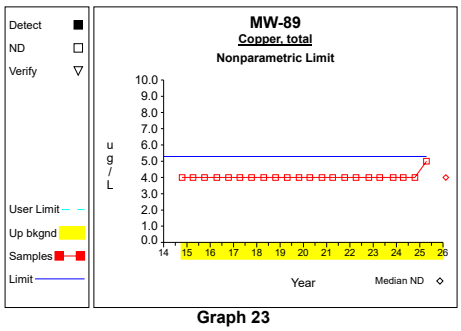
Graph 20



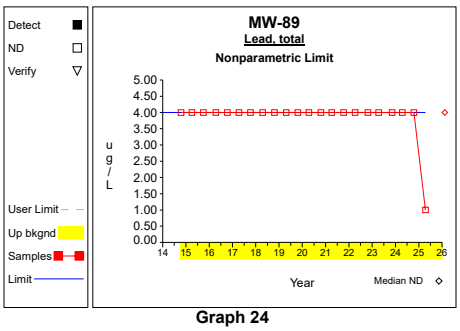
Graph 21



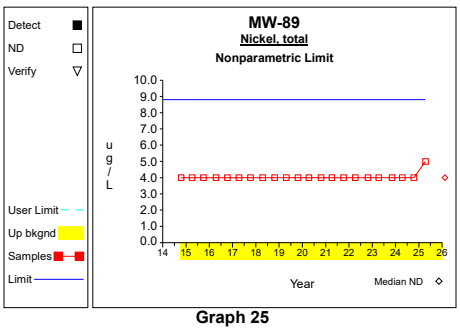
Graph 22



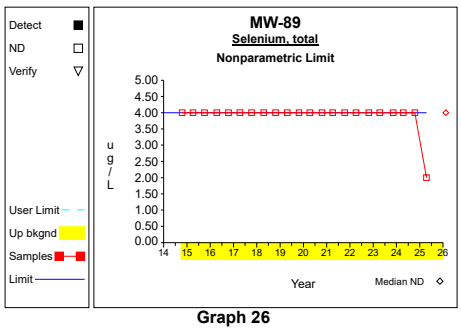
Graph 23



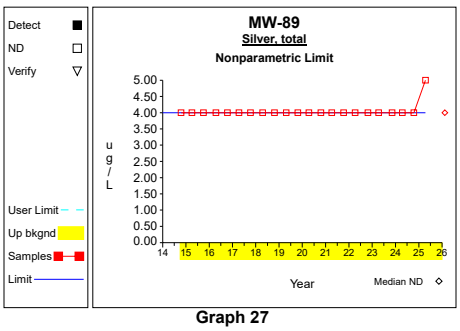
Graph 24



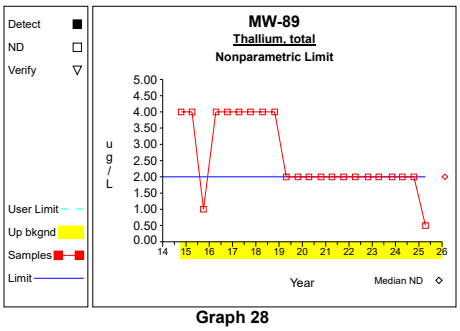
Graph 25



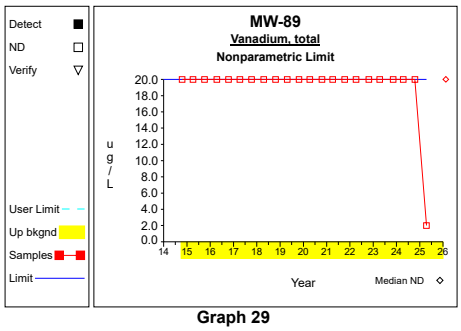
Graph 26



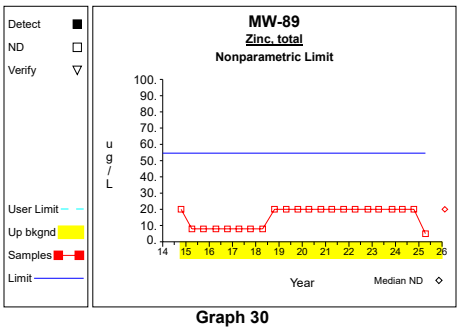
Graph 27



Graph 28



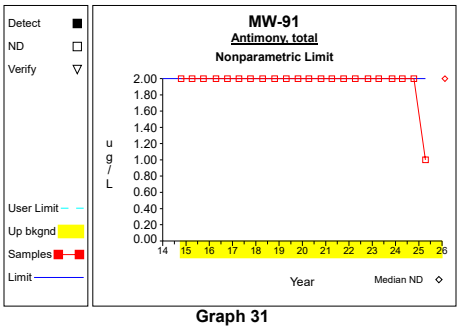
Graph 29



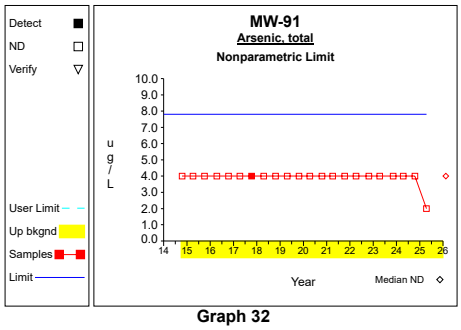
Graph 30

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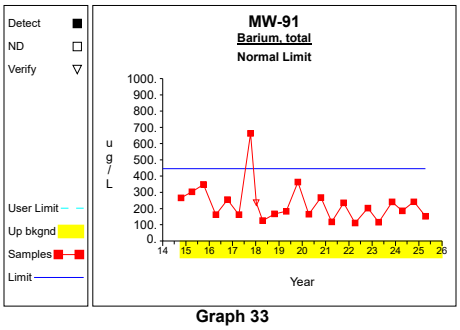
Up vs. Down Prediction Limits



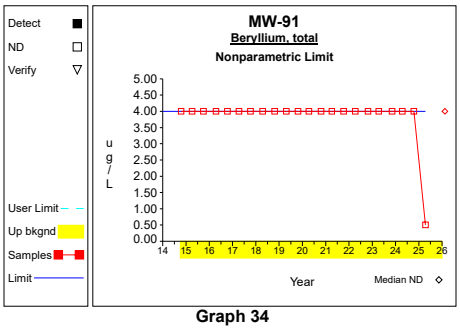
Graph 31



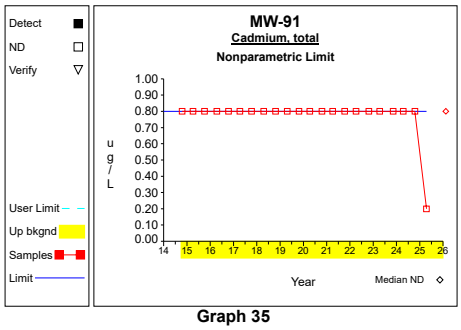
Graph 32



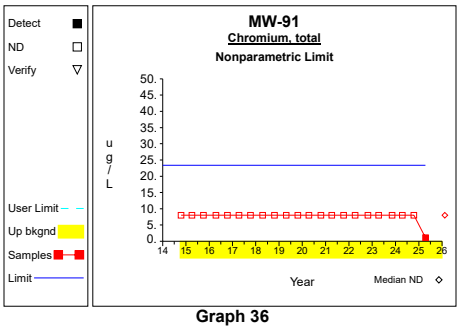
Graph 33



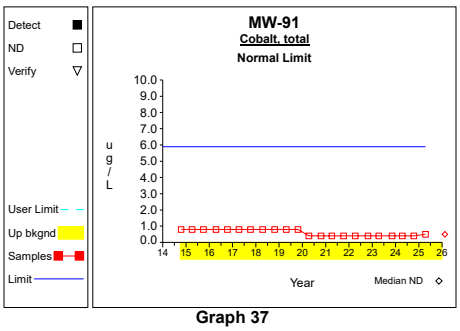
Graph 34



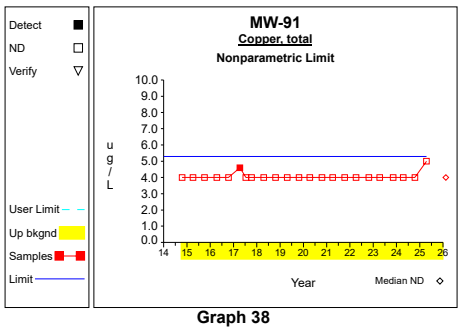
Graph 35



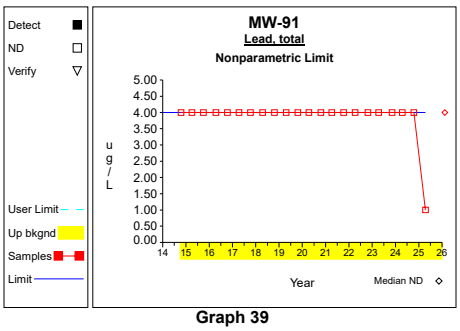
Graph 36



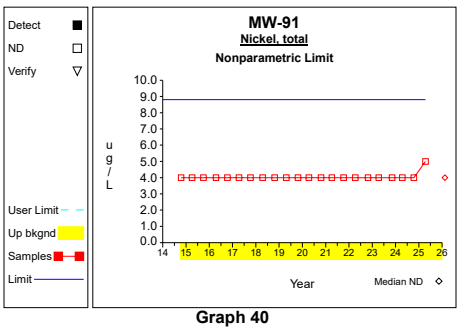
Graph 37



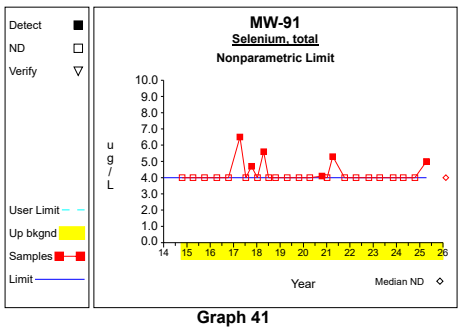
Graph 38



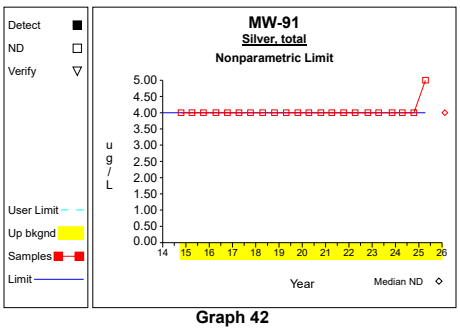
Graph 39



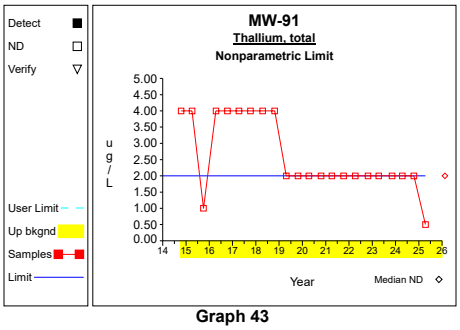
Graph 40



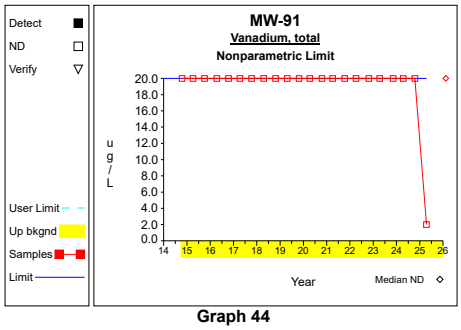
Graph 41



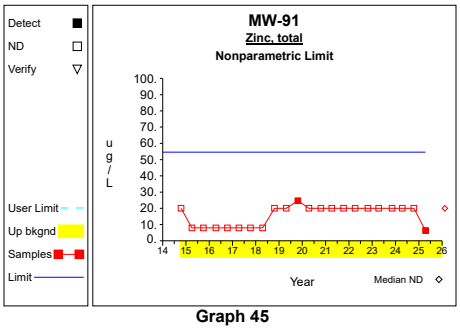
Graph 42



Graph 43



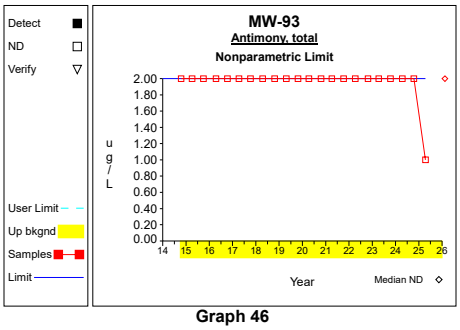
Graph 44



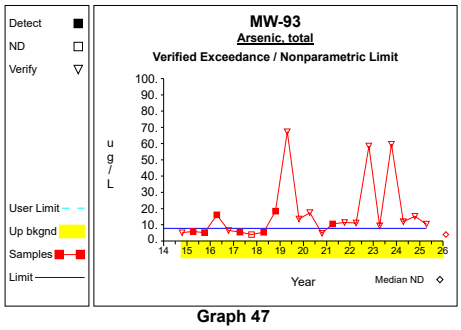
Graph 45

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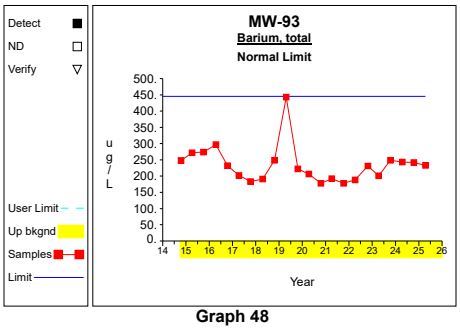
Up vs. Down Prediction Limits



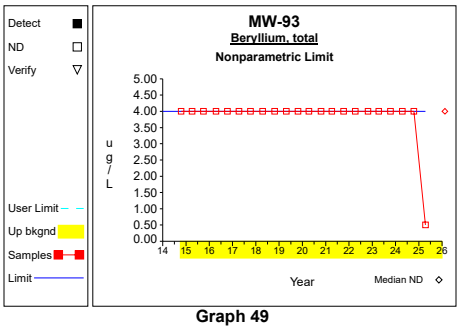
Graph 46



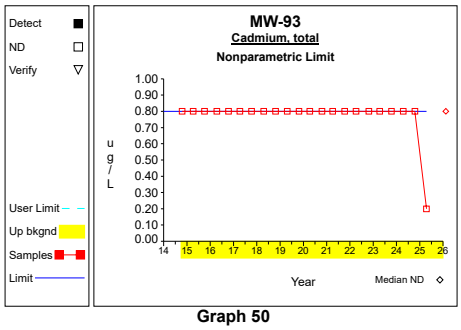
Graph 47



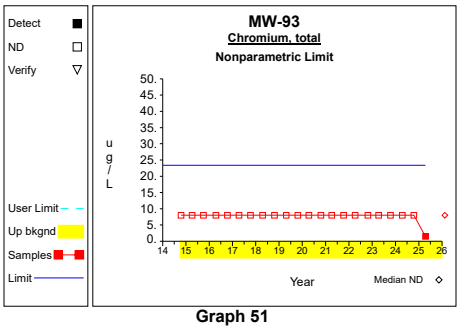
Graph 48



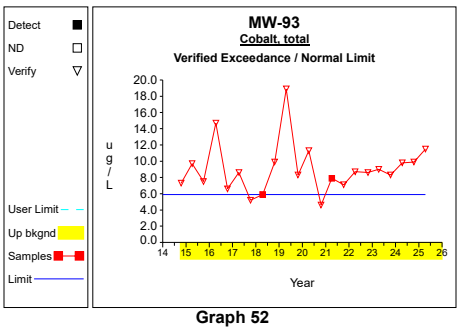
Graph 49



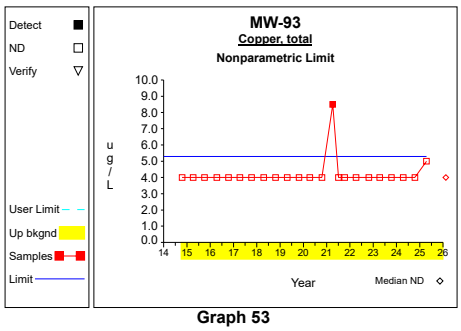
Graph 50



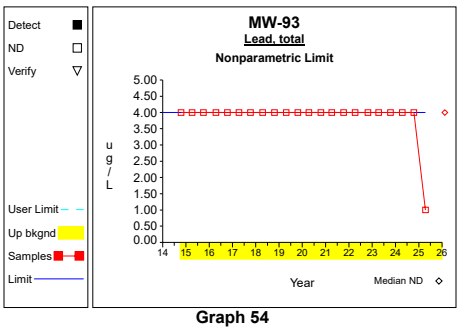
Graph 51



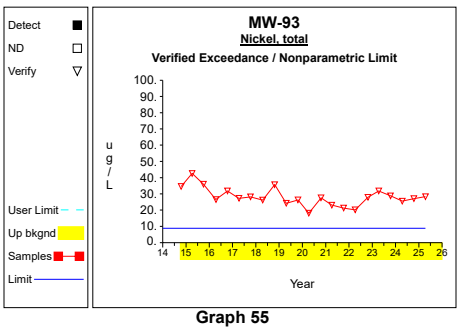
Graph 52



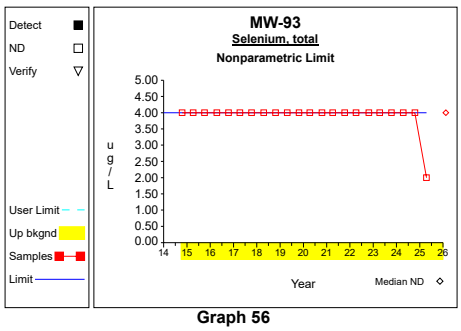
Graph 53



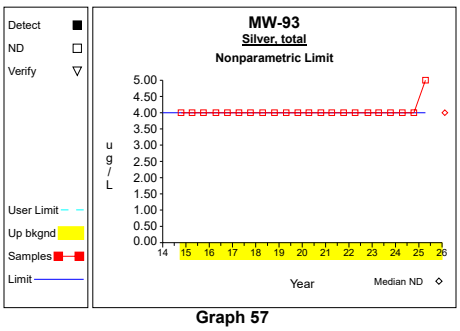
Graph 54



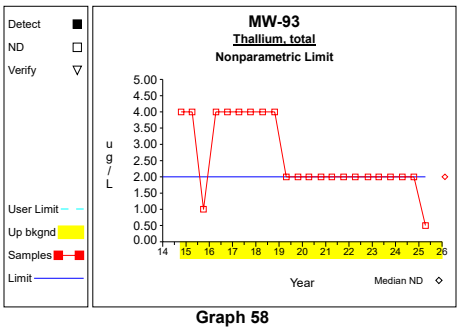
Graph 55



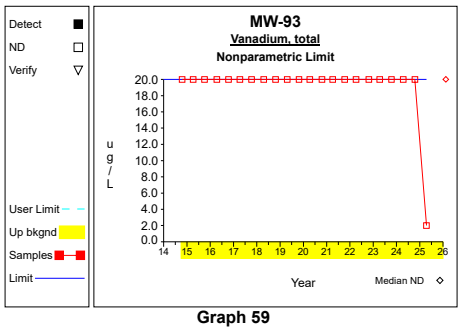
Graph 56



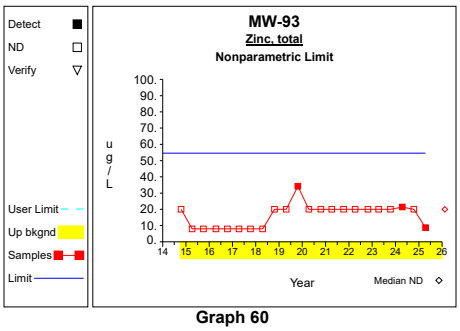
Graph 57



Graph 58



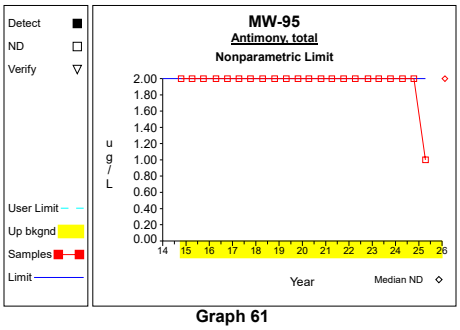
Graph 59



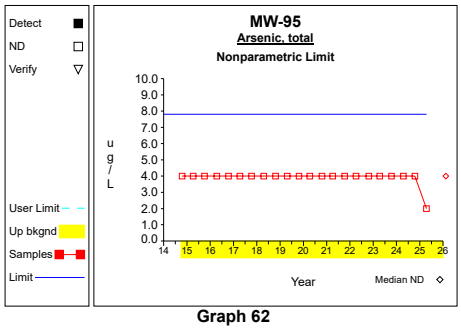
Graph 60

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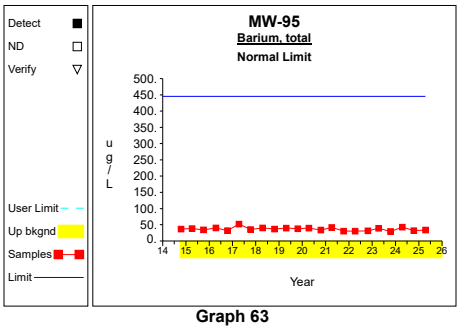
Up vs. Down Prediction Limits



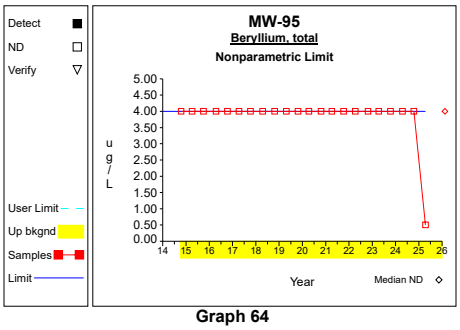
Graph 61



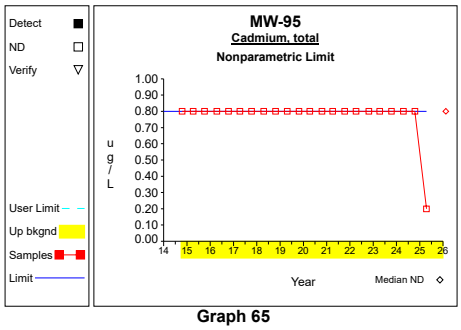
Graph 62



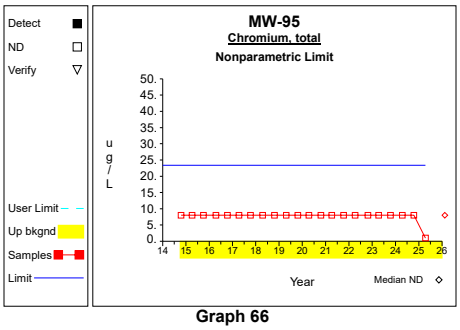
Graph 63



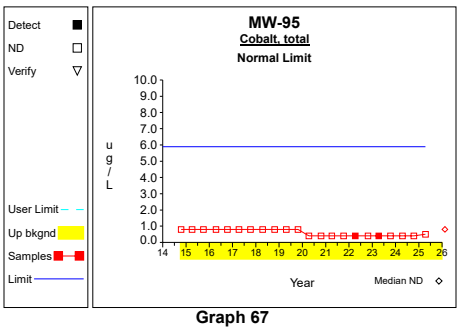
Graph 64



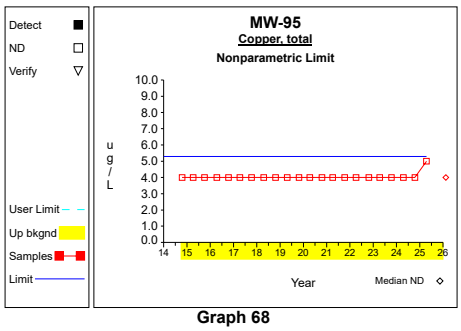
Graph 65



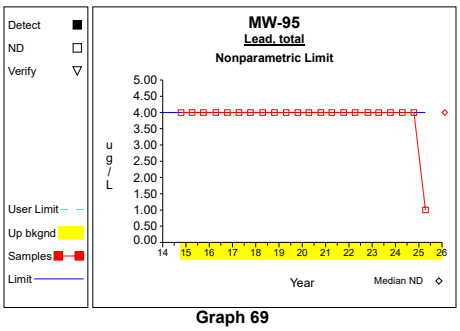
Graph 66



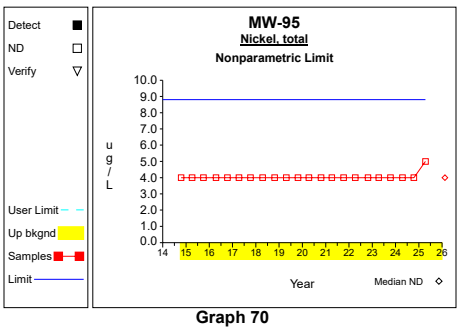
Graph 67



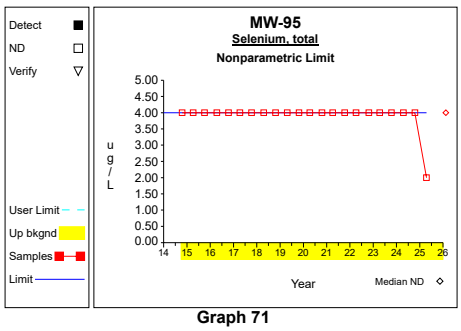
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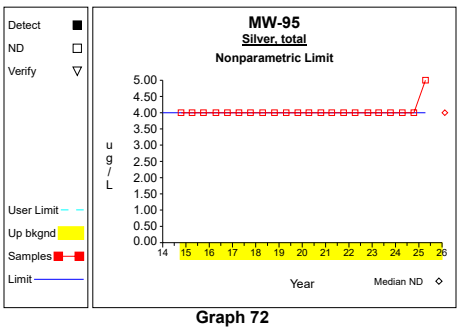
Graph 69



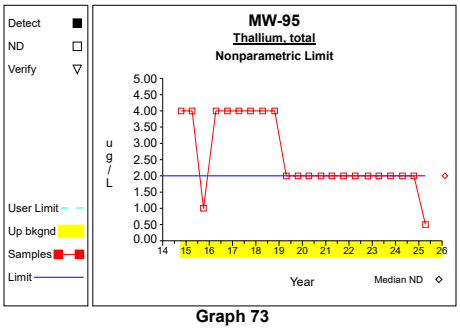
Graph 70



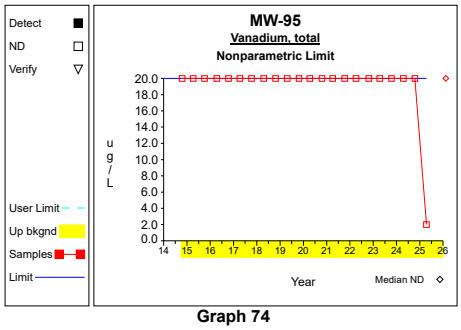
Graph 71



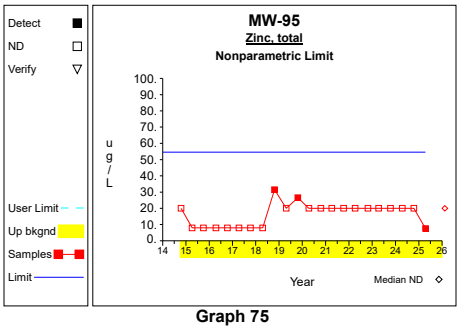
Graph 72



Graph 73



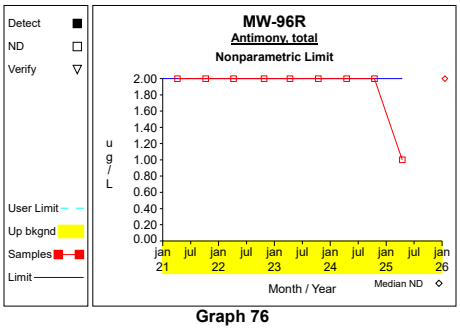
Graph 74



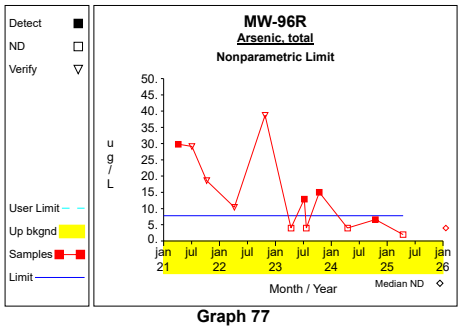
Graph 75

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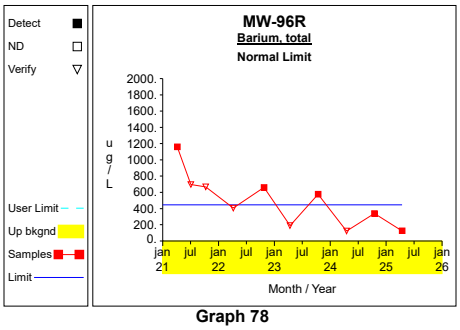
Up vs. Down Prediction Limits



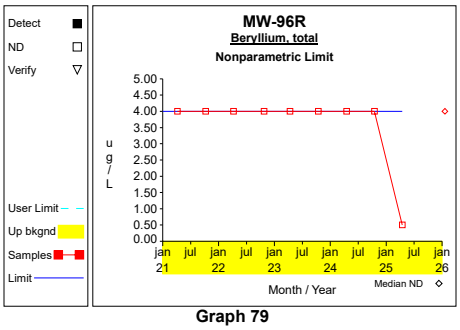
Graph 76



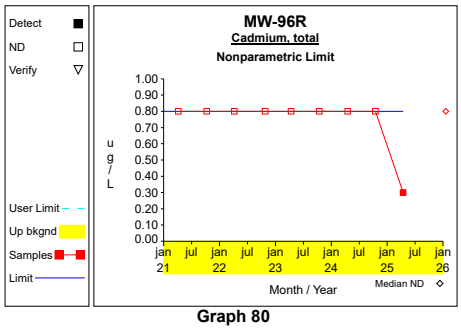
Graph 77



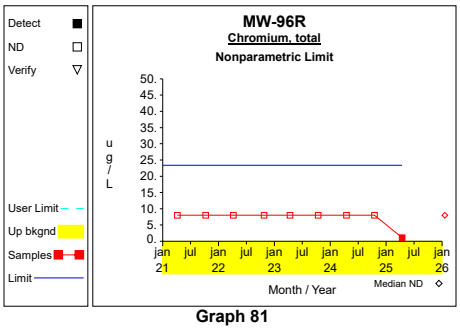
Graph 78



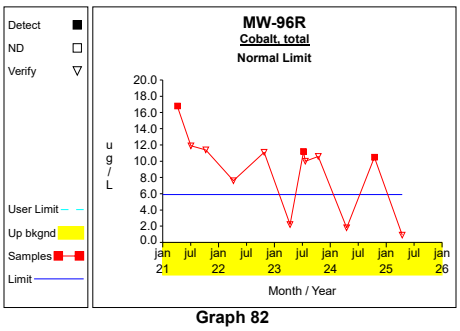
Graph 79



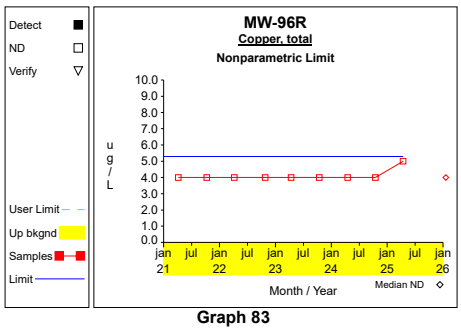
Graph 80



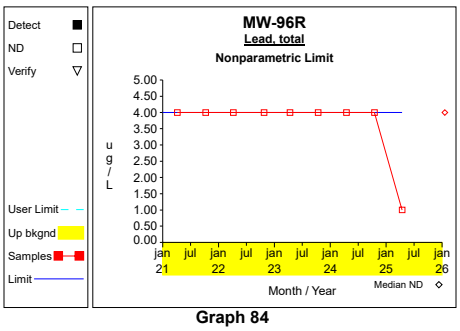
Graph 81



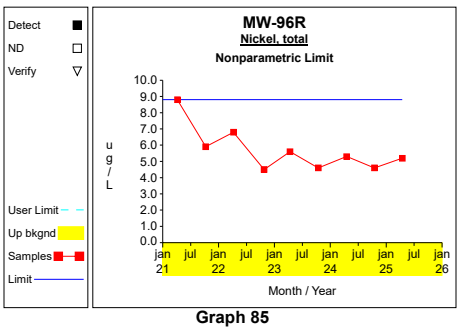
Graph 82



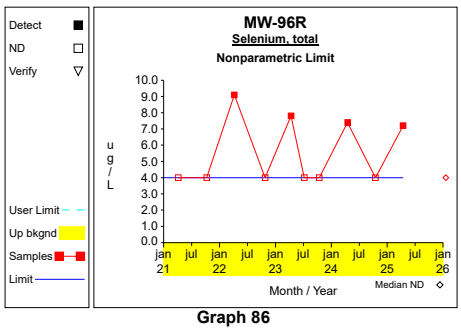
Graph 83



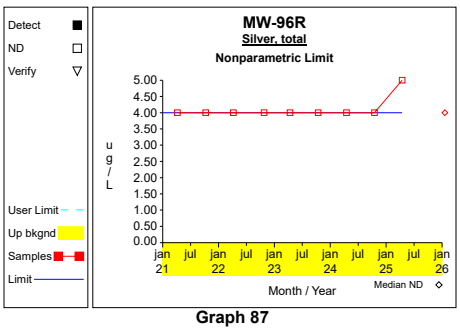
Graph 84



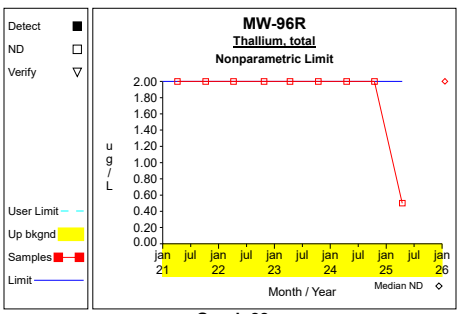
Graph 85



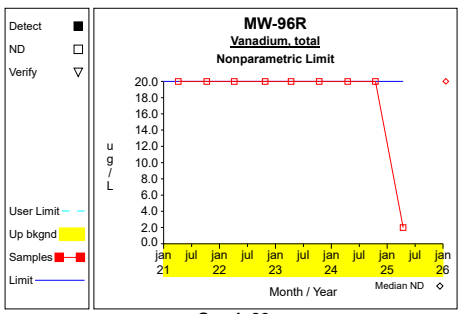
Graph 86



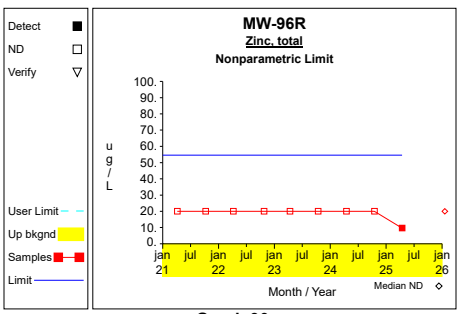
Graph 87



Graph 88



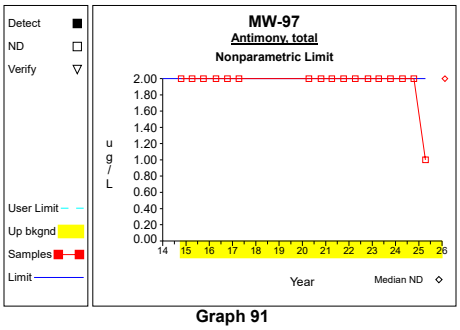
Graph 89



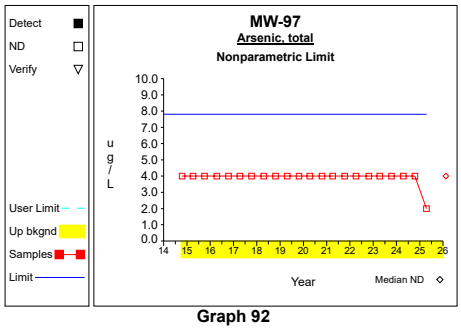
Graph 90

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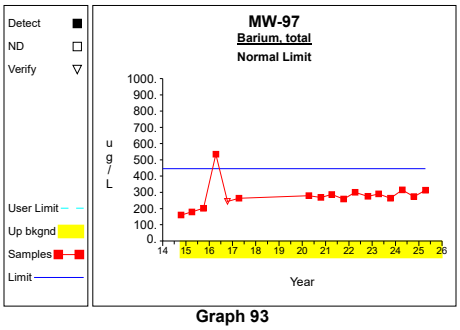
Up vs. Down Prediction Limits



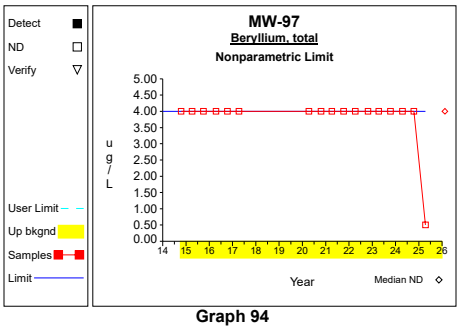
Graph 91



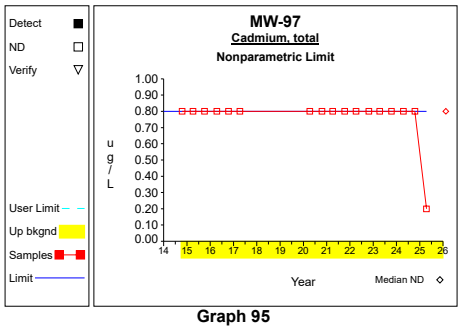
Graph 92



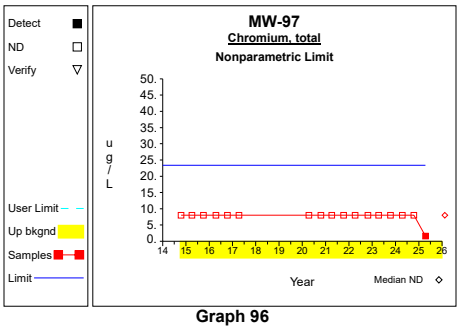
Graph 93



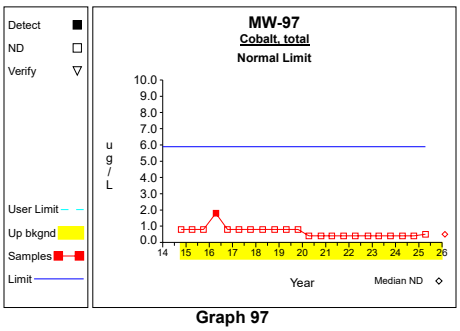
Graph 94



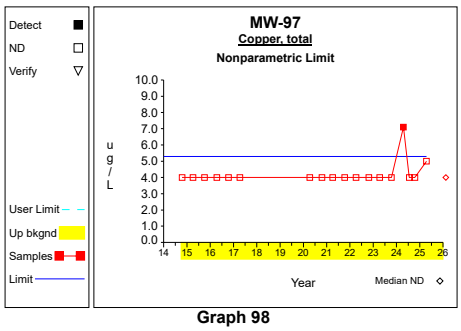
Graph 95



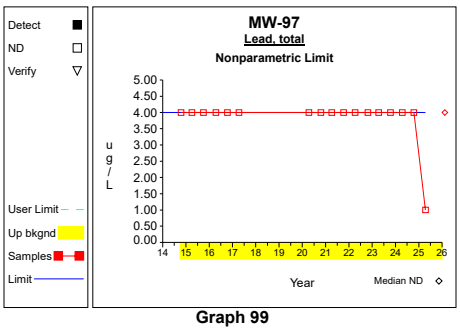
Graph 96



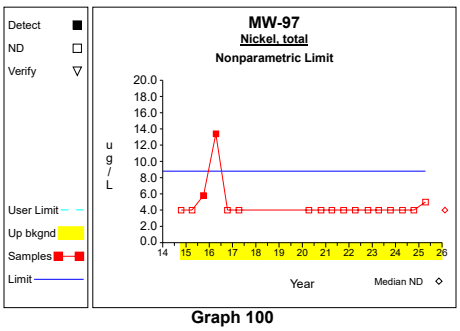
Graph 97



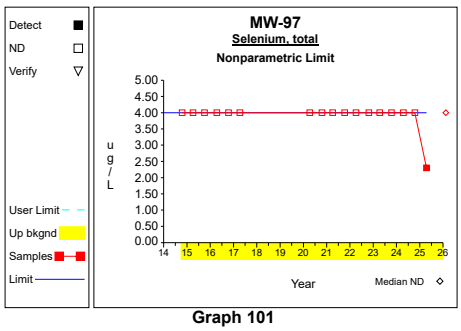
Graph 98



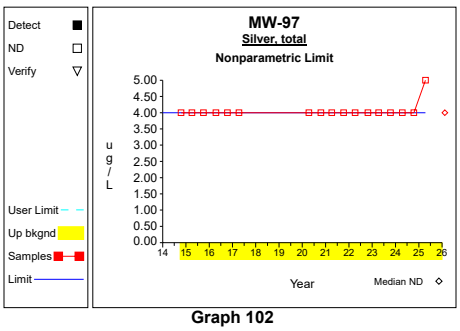
Graph 99



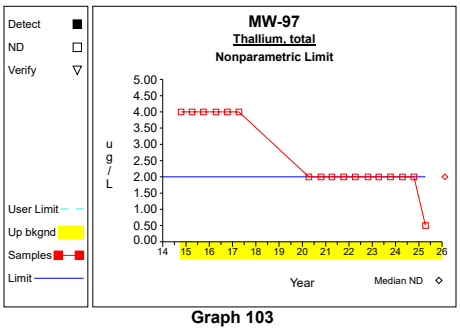
Graph 100



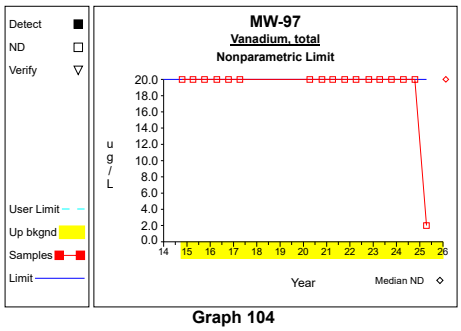
Graph 101



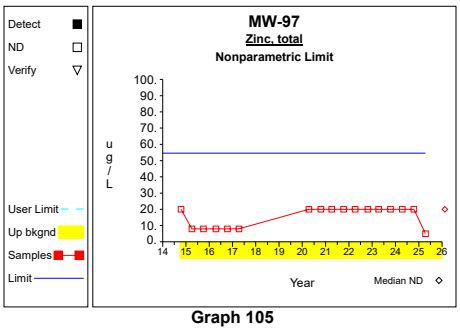
Graph 102



Graph 103



Graph 104

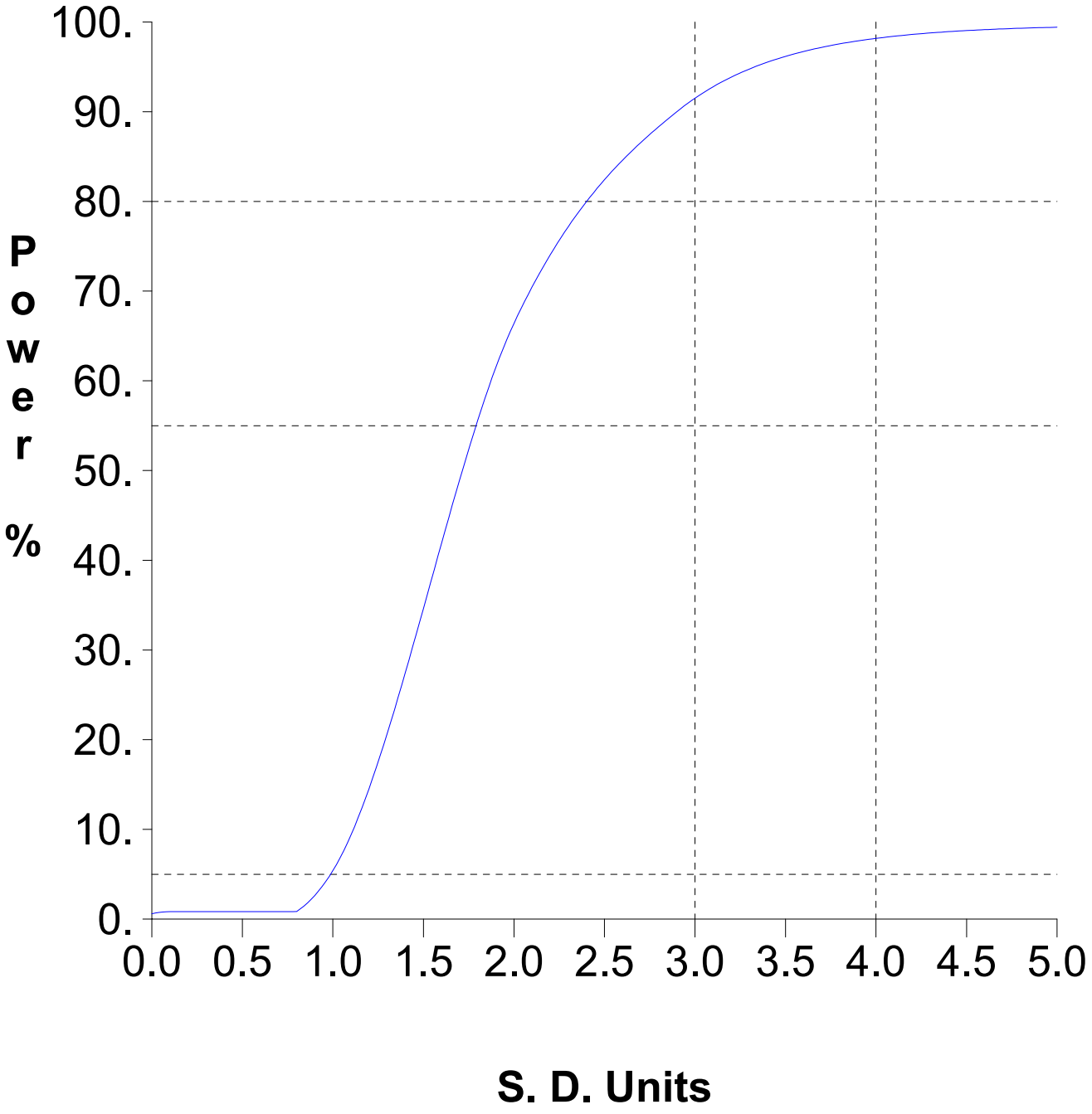


Graph 105

Prepared by: Otter Creek Environmental

False Positive and False Negative Rates for Current

Upgradient vs. Downgradient Monitoring Program



Attachment C

Assessment Statistics for Trace Metals

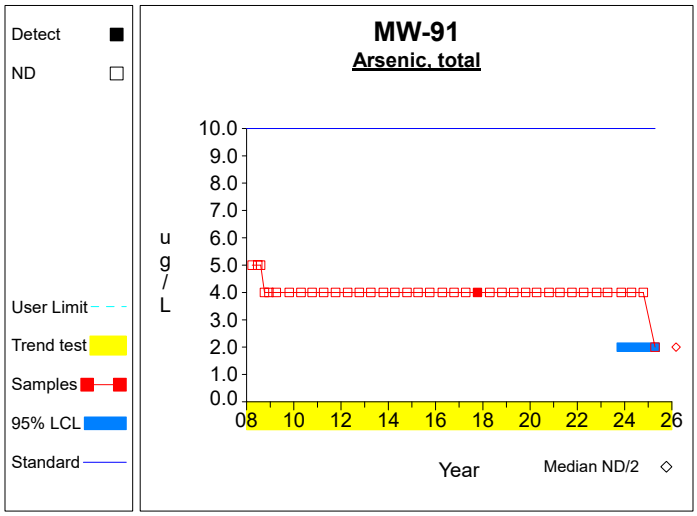
Table 1

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

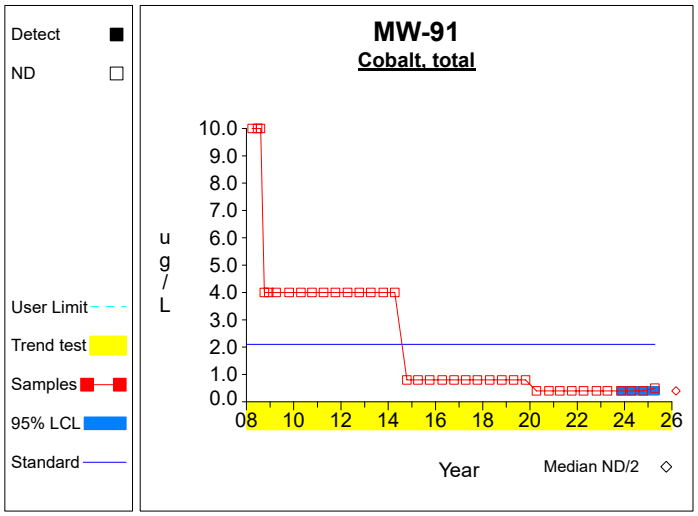
Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-91	4	2.000	0.000	1.176	2.000	2.000	10.000		
Cobalt, total	ug/L	MW-91	4	0.400	0.000	1.176	0.400	0.400	2.100		
Nickel, total	ug/L	MW-91	4	2.000	0.000	1.176	2.000	2.000	100.000		
Selenium, total	ug/L	MW-91	4	2.750	1.500	1.176	0.986	4.514	50.000		
Arsenic, total	ug/L	MW-93	4	24.275	23.635	1.176	0.000	52.077	10.000		
Cobalt, total	ug/L	MW-93	4	9.875	1.307	1.176	8.337	11.413	2.100		**
Nickel, total	ug/L	MW-93	4	27.425	1.468	1.176	25.698	29.152	100.000		
Selenium, total	ug/L	MW-93	4	2.000	0.000	1.176	2.000	2.000	50.000		
Arsenic, total	ug/L	MW-96R	4	6.400	6.130	1.176	0.000	13.610	10.000		
Cobalt, total	ug/L	MW-96R	4	5.950	5.324	1.176	0.000	12.213	2.100	dec	
Nickel, total	ug/L	MW-96R	4	4.925	0.377	1.176	4.481	5.369	100.000		
Selenium, total	ug/L	MW-96R	4	4.650	3.061	1.176	1.049	8.251	50.000		

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

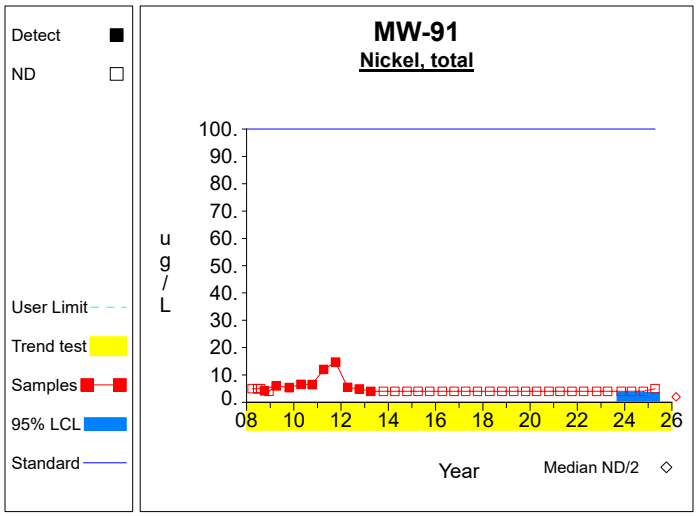
Confidence Limits (Assessment)



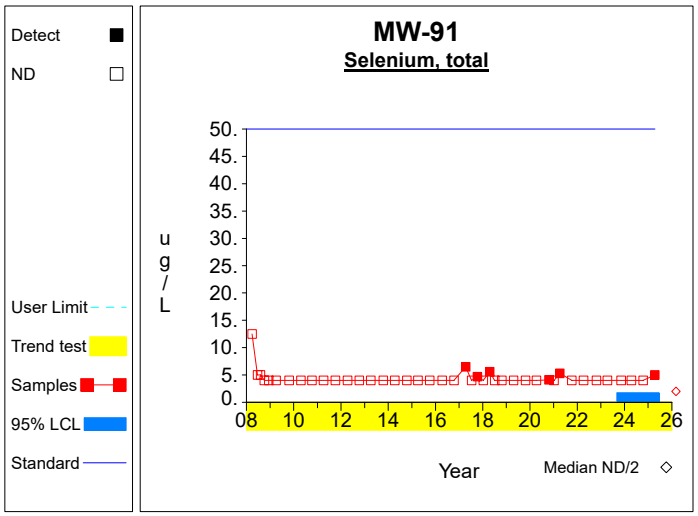
Graph 1



Graph 2

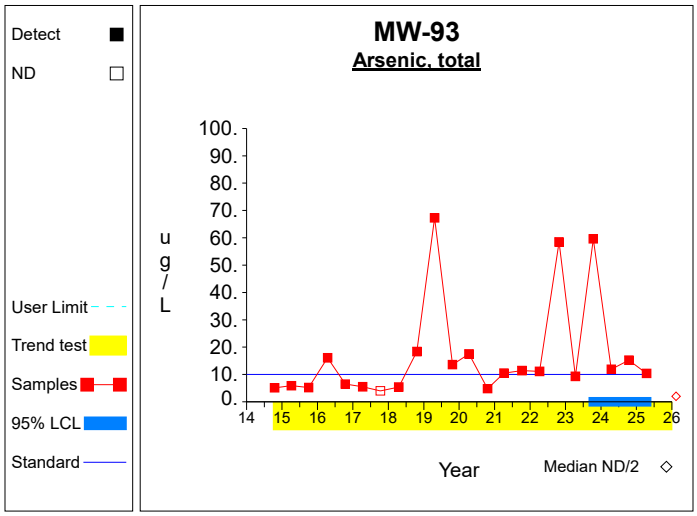


Graph 3

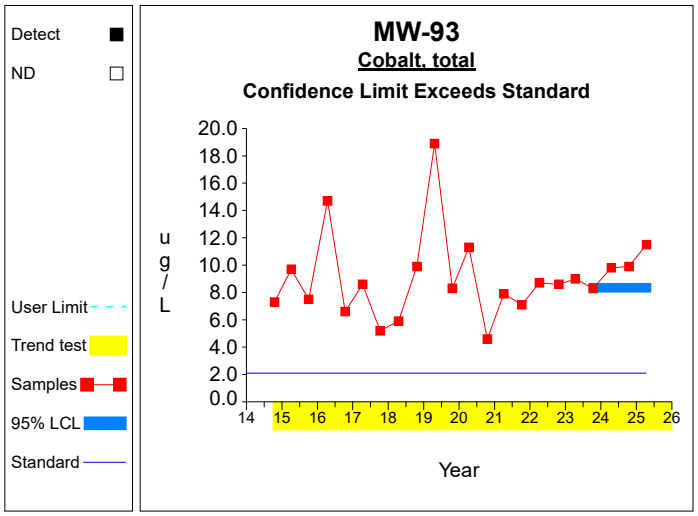


Graph 4

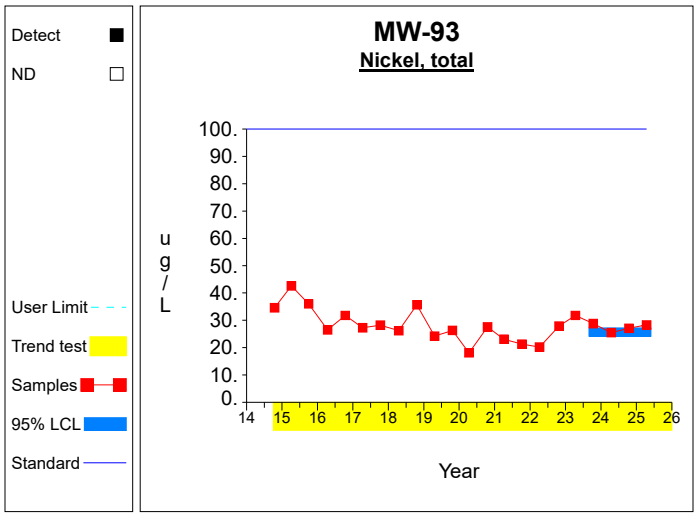
Confidence Limits (Assessment)



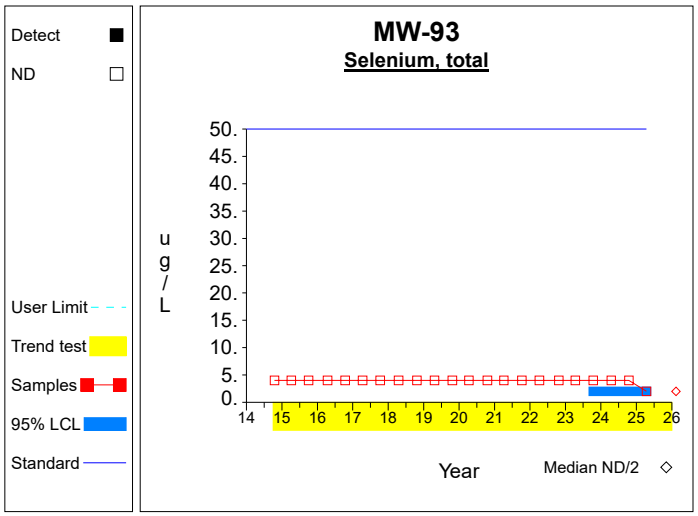
Graph 5



Graph 6

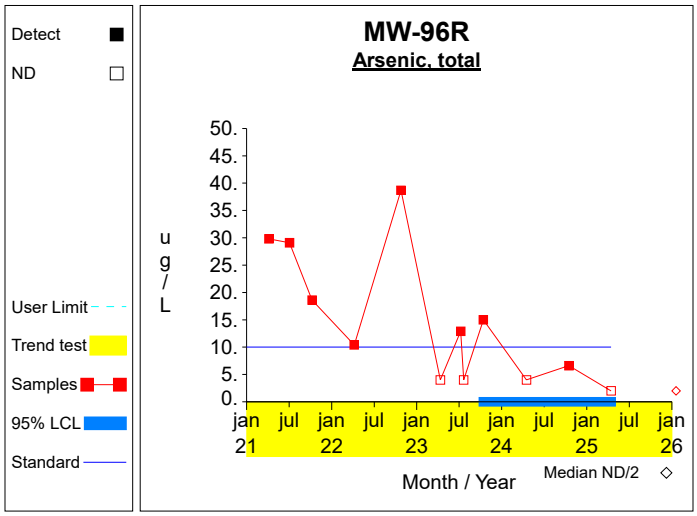


Graph 7

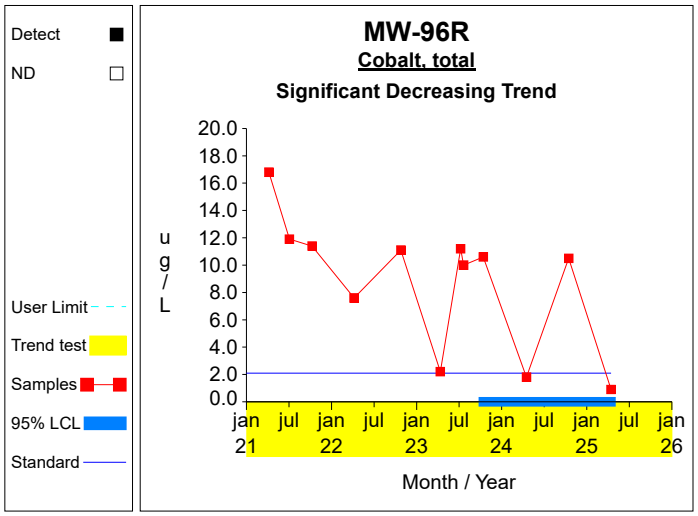


Graph 8

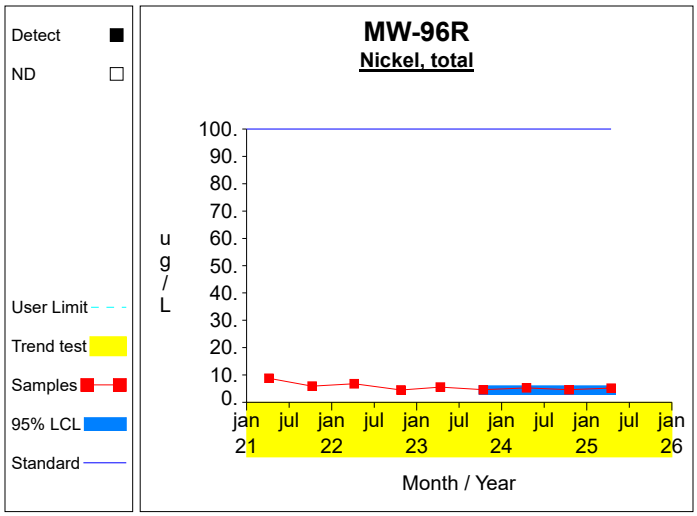
Confidence Limits (Assessment)



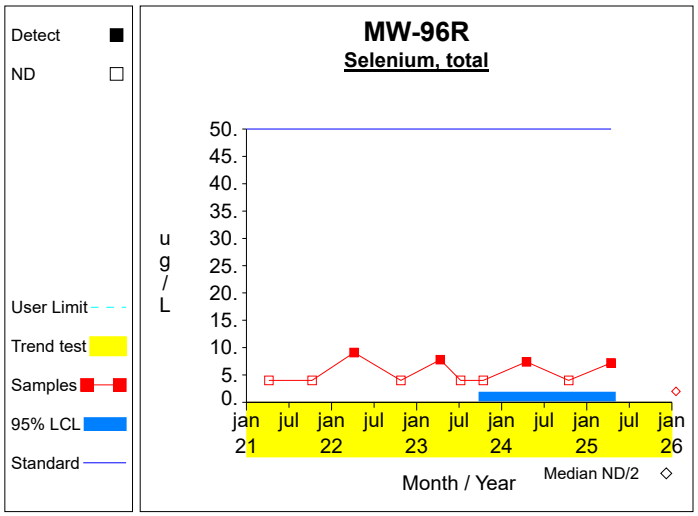
Graph 9



Graph 10



Graph 11

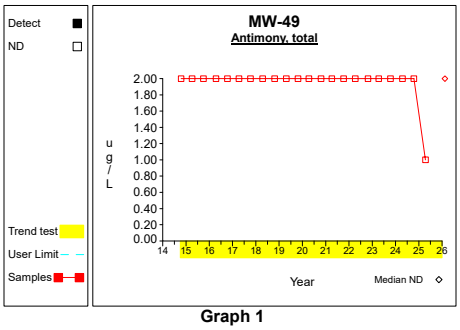


Graph 12

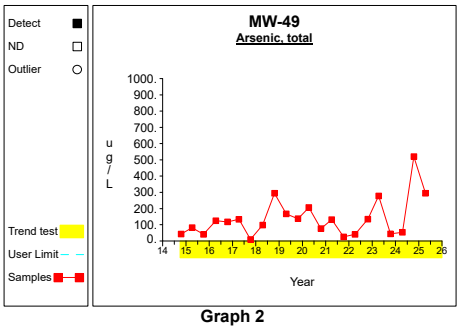
Attachment D

Supplemental Wells Time Series of Trace Metals

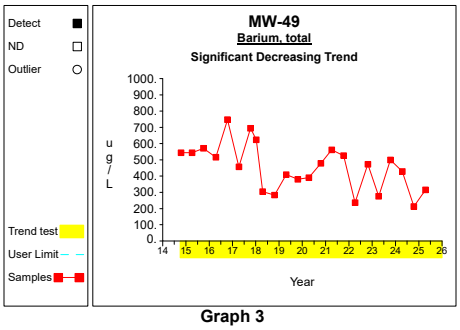
Time Series



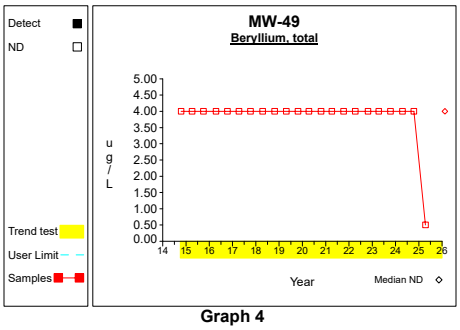
Graph 1



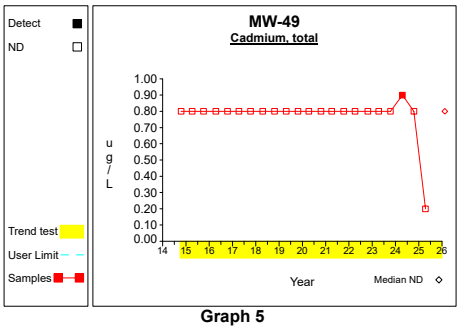
Graph 2



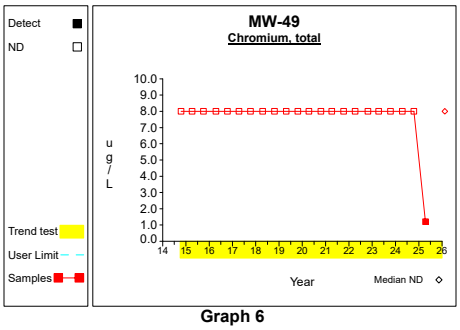
Graph 3



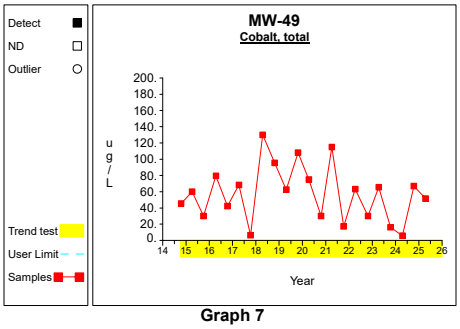
Graph 4



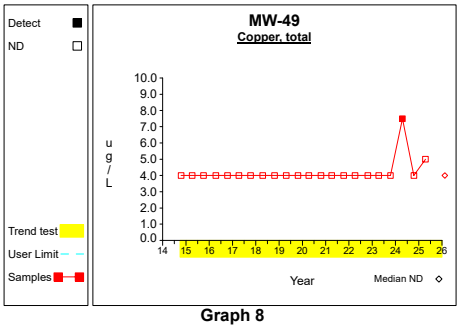
Graph 5



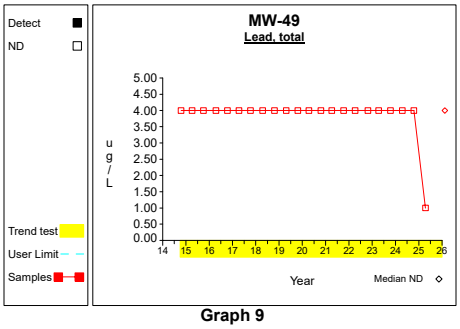
Graph 6



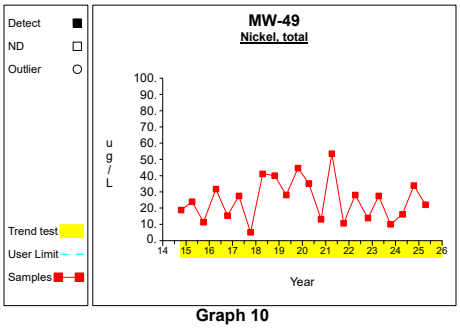
Graph 7



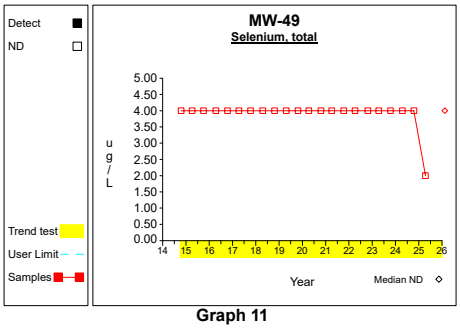
Graph 8



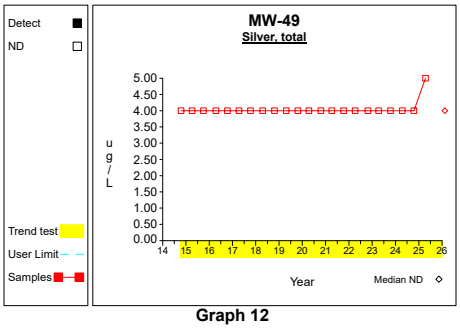
Graph 9



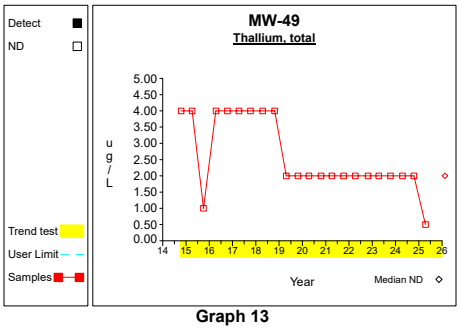
Graph 10



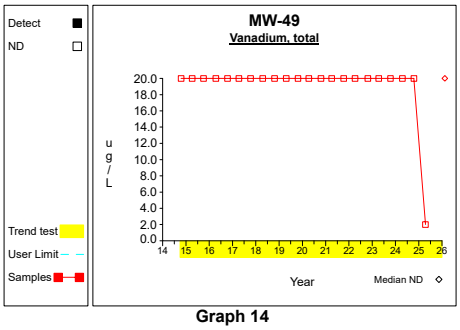
Graph 11



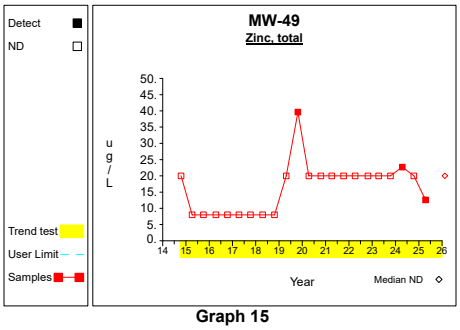
Graph 12



Graph 13



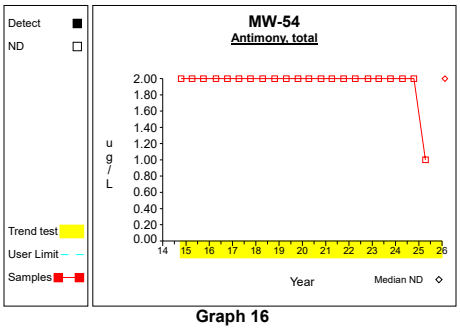
Graph 14



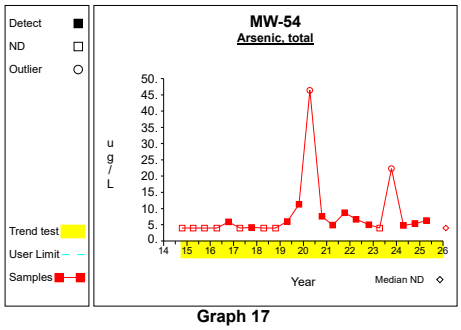
Graph 15

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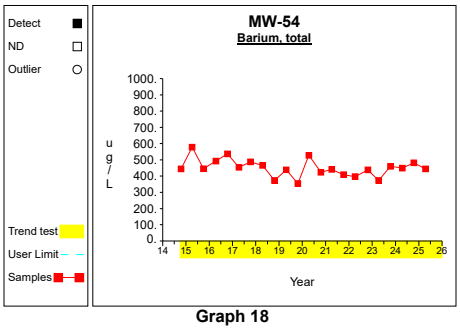
Time Series



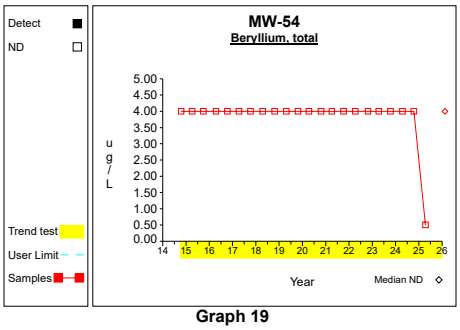
Graph 16



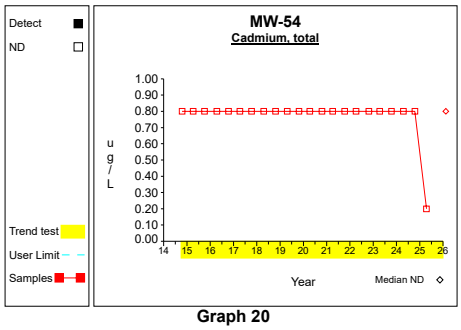
Graph 17



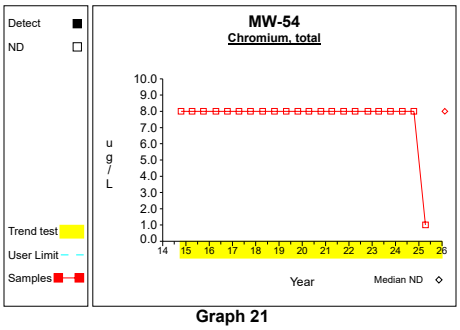
Graph 18



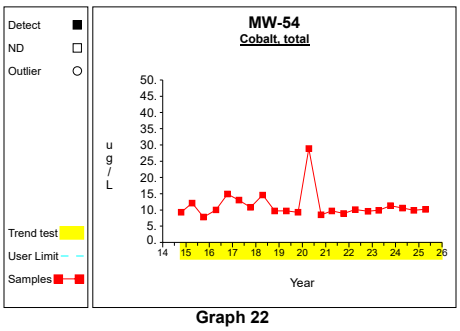
Graph 19



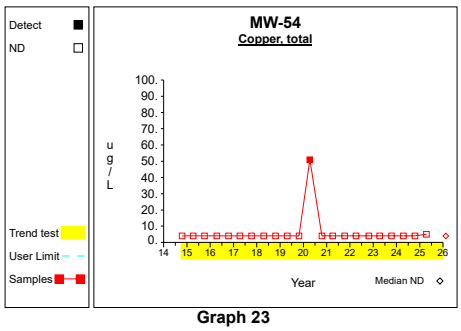
Graph 20



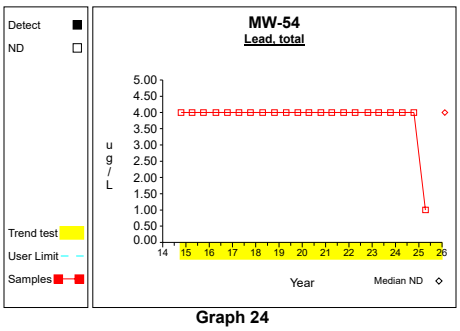
Graph 21



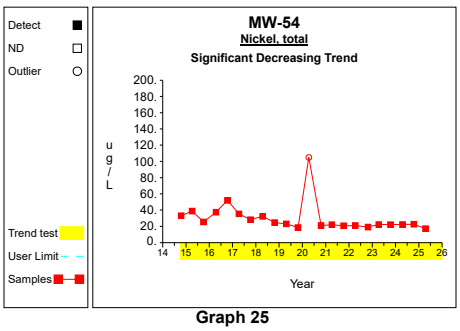
Graph 22



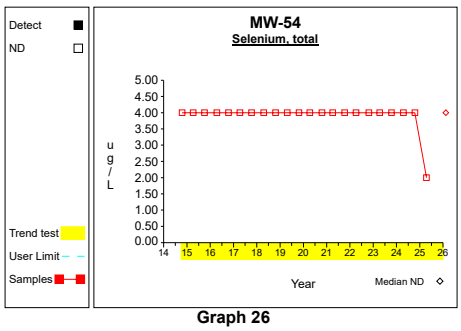
Graph 23



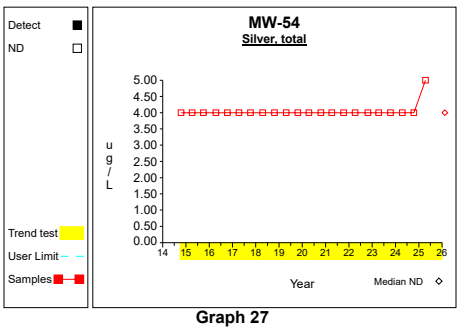
Graph 24



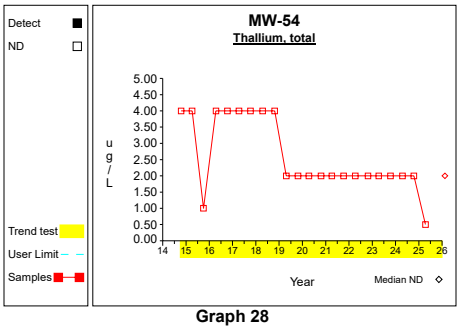
Graph 25



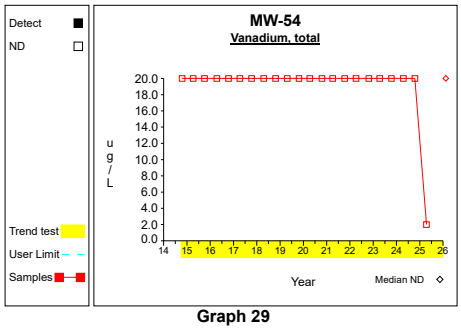
Graph 26



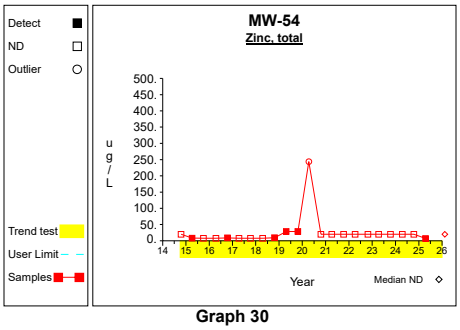
Graph 27



Graph 28



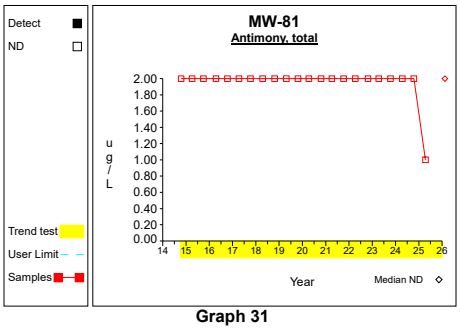
Graph 29



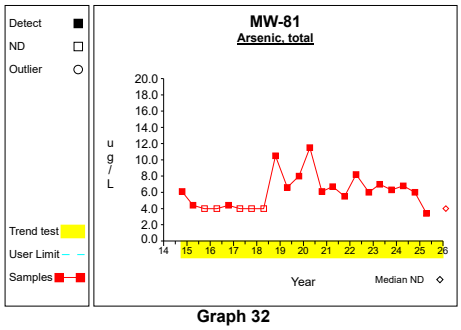
Graph 30

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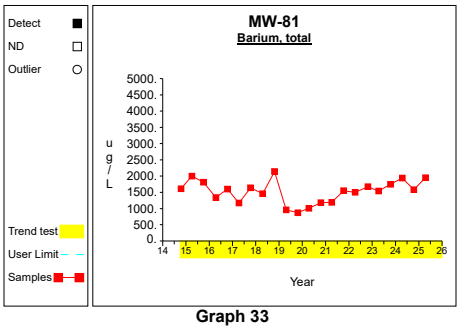
Time Series



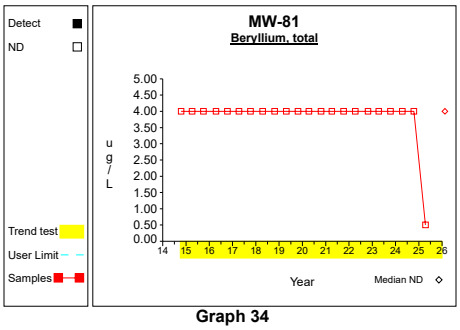
Graph 31



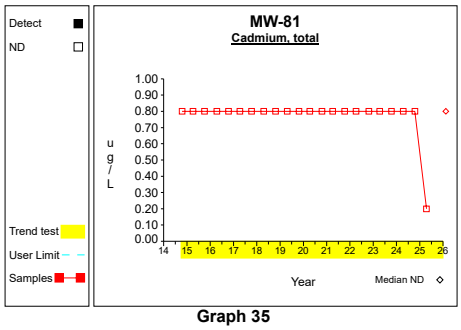
Graph 32



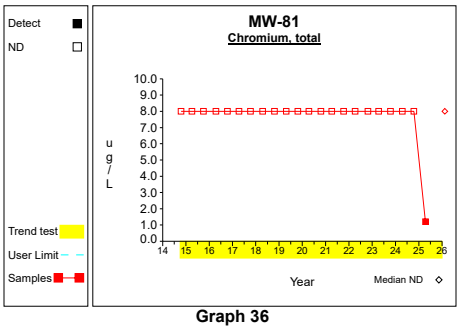
Graph 33



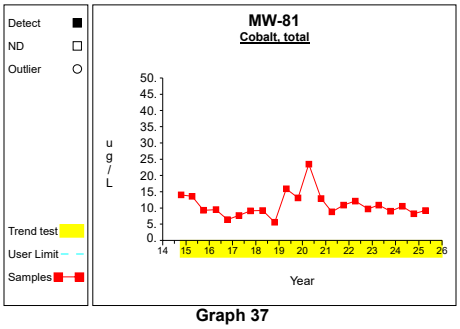
Graph 34



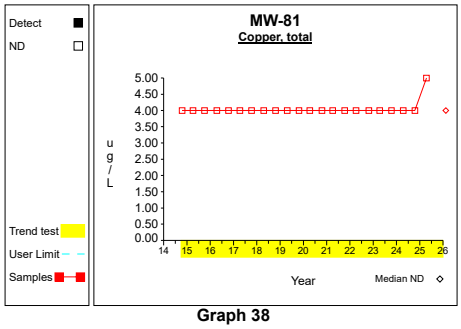
Graph 35



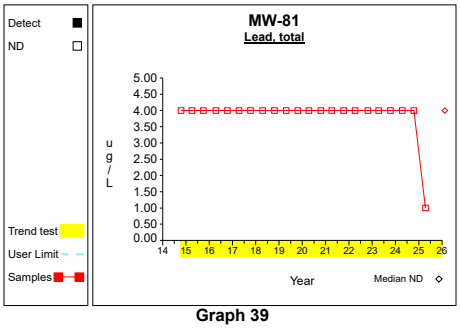
Graph 36



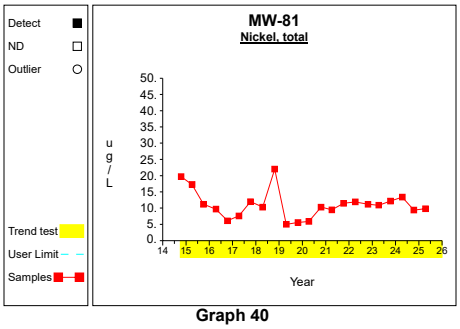
Graph 37



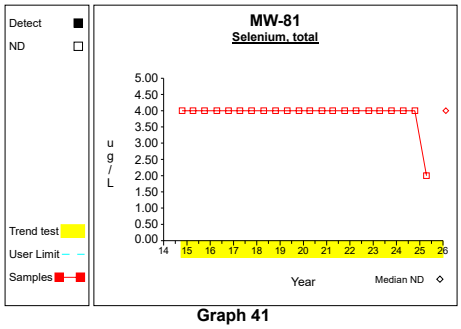
Graph 38



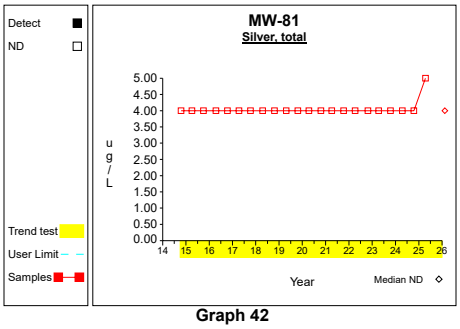
Graph 39



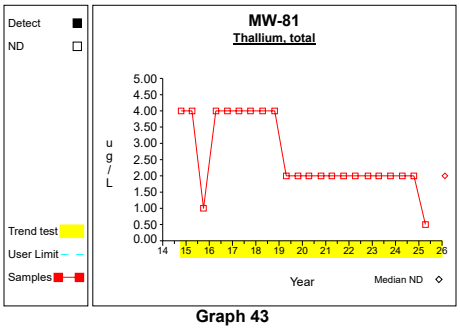
Graph 40



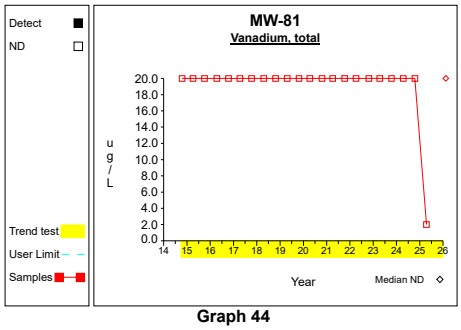
Graph 41



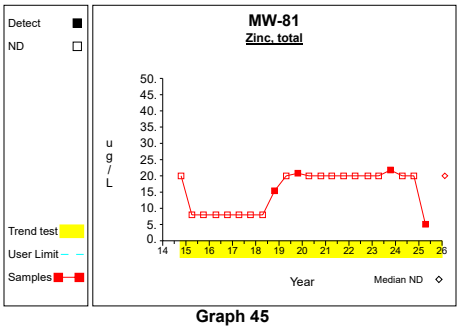
Graph 42



Graph 43



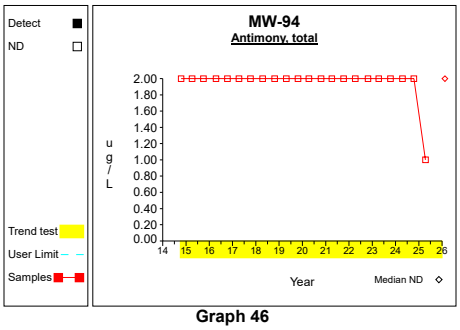
Graph 44



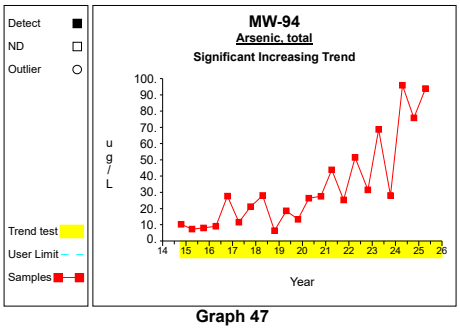
Graph 45

Prepared by: Otter Creek Environmental

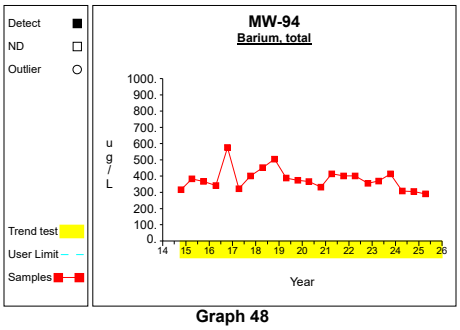
Time Series



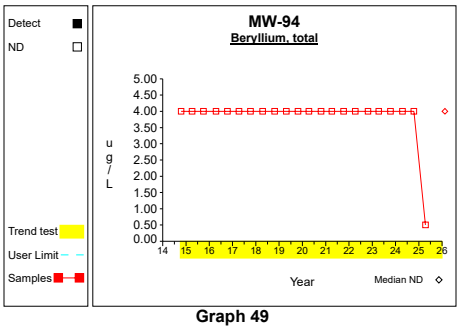
Graph 46



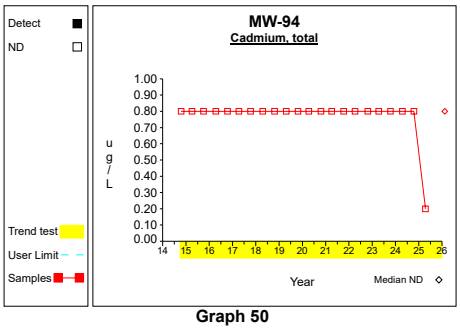
Graph 47



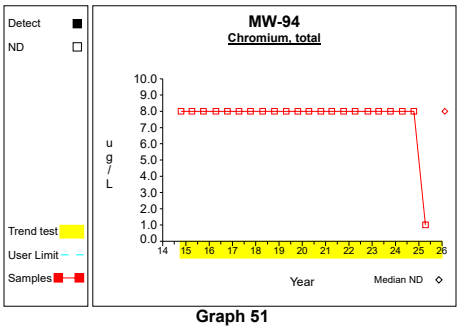
Graph 48



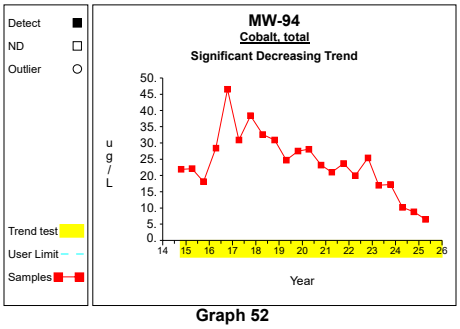
Graph 49



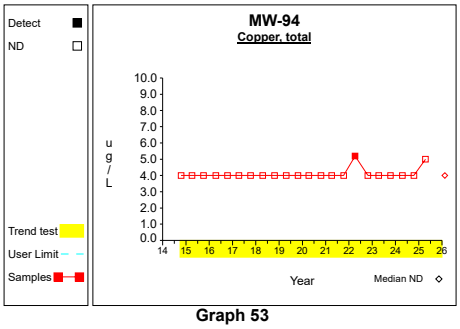
Graph 50



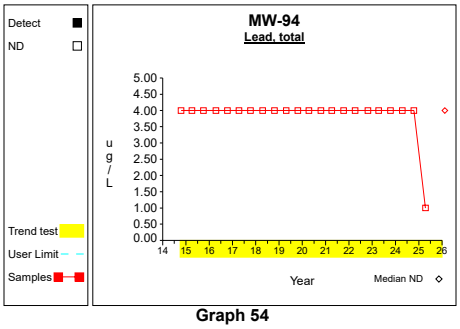
Graph 51



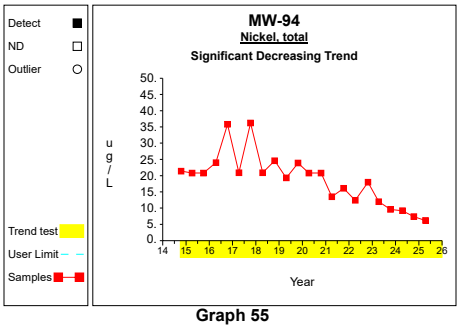
Graph 52



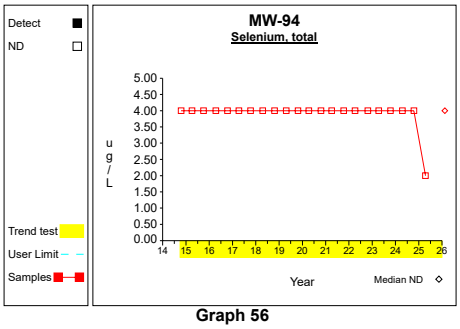
Graph 53



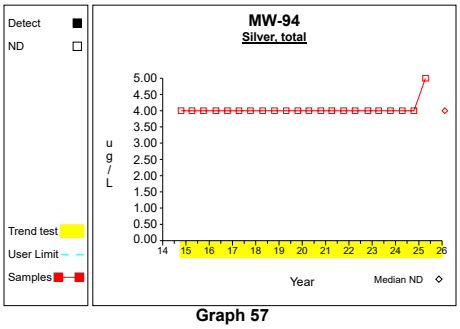
Graph 54



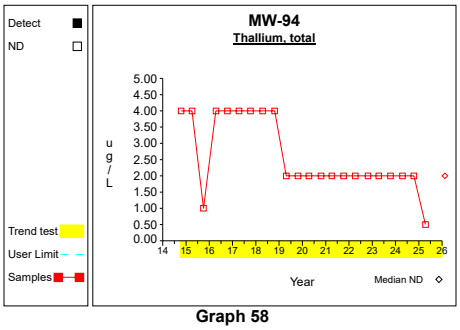
Graph 55



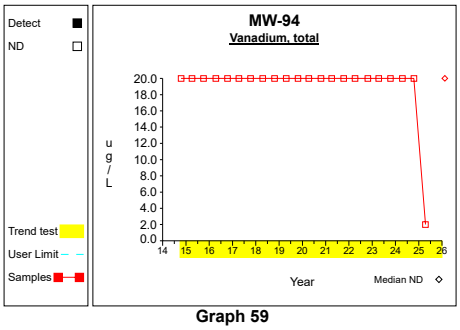
Graph 56



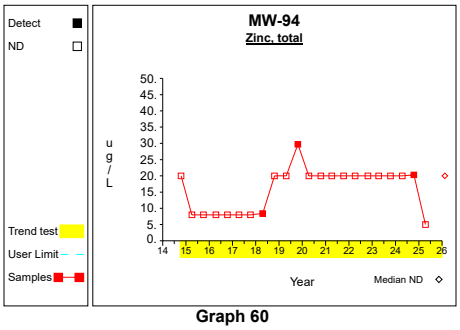
Graph 57



Graph 58



Graph 59



Graph 60

Prepared by: Otter Creek Environmental

Attachment E

Summary Table and Graphs – Intrawell Statistics

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Antimony, total	ug/L	MW-93	13	9	37			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-93	13	9	37	13.4846	17.0367	15.2000	10.4000	36.6740	20.8119	81.6313	normal		
Barium, total	ug/L	MW-93	13	9	37	245.9231	70.0053	242.0000	233.0000	245.9231	245.9231	525.9443	normal		
Beryllium, total	ug/L	MW-93	13	9	37			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-93	13	9	37			0.8000	0.2000			0.8000	nonpar	.99	**
Chromium, total	ug/L	MW-93	13	9	37			8.0000	1.5000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-93	13	9	37	9.1154	3.9987	9.9000	11.5000	9.1154	9.1154	25.1103	normal		
Copper, total	ug/L	MW-93	13	10	38			4.0000	5.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	MW-93	13	9	37			4.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-93	13	9	38	29.6231	6.3359	27.1000	28.3000	29.6231	29.6231	54.9667	normal		
Selenium, total	ug/L	MW-93	13	9	37			4.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-93	13	9	37			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-93	13	9	37			2.0000	0.5000			4.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-93	13	9	37			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-93	13	9	37			20.0000	8.7000			34.2000	nonpar	.99	**
Antimony, total	ug/L	MW-96R	8	1	9			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-96R	11	1	12	15.7364	12.0236	6.6000	2.0000		15.7364	69.8425	normal		
Barium, total	ug/L	MW-96R	9	1	10	535.3333	315.2225	338.0000	126.0000		535.3333	1953.8348	normal		
Beryllium, total	ug/L	MW-96R	8	1	9			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-96R	8	1	9			0.8000	0.3000			0.8000	nonpar	.99	**
Chromium, total	ug/L	MW-96R	8	1	9			8.0000	1.1000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-96R	9	1	12	11.2333	2.4274	10.5000	0.9000		11.2333	22.1568	normal		
Copper, total	ug/L	MW-96R	8	1	9			4.0000	5.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	MW-96R	8	1	9			4.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-96R	8	1	9	5.7625	1.4569	4.6000	5.2000		5.7625	12.3187	normal		
Selenium, total	ug/L	MW-96R	9	1	10	5.3667	2.0976	4.0000	7.2000		5.3667	14.8059	normal		
Silver, total	ug/L	MW-96R	8	1	9			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-96R	8	1	9			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-96R	8	1	9			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-96R	8	1	9			20.0000	9.7000			20.0000	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.

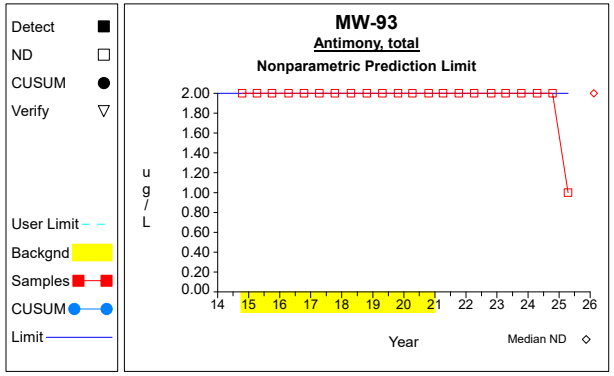
Table 4

Dixon's Test Outliers
1% Significance Level

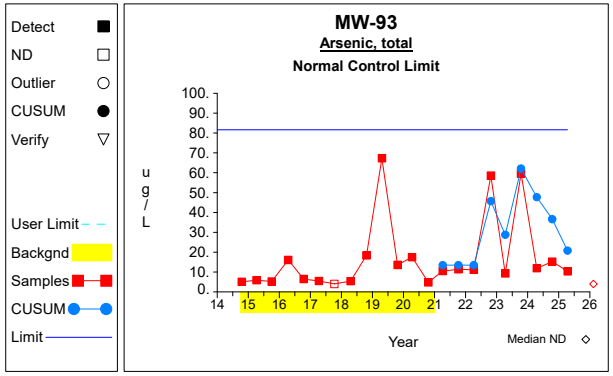
Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Cobalt, total	ug/L	MW-96R	04/11/2023	2.2000		04/05/2021-10/15/2024	11	0.5972
Cobalt, total	ug/L	MW-96R	04/16/2024	1.8000		04/05/2021-10/15/2024	11	0.5972

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.

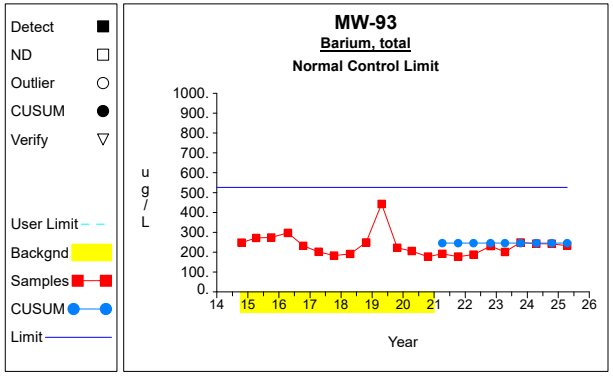
Intra-Well Control Charts / Prediction Limits



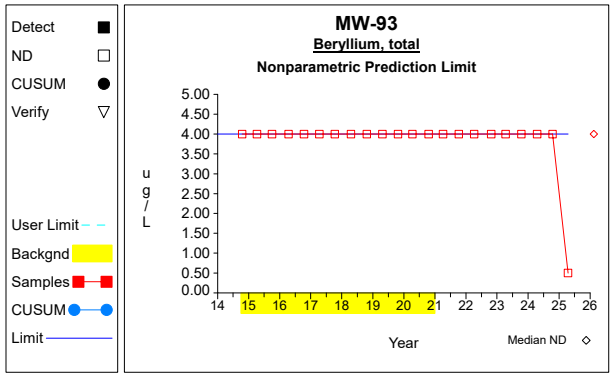
Graph 1



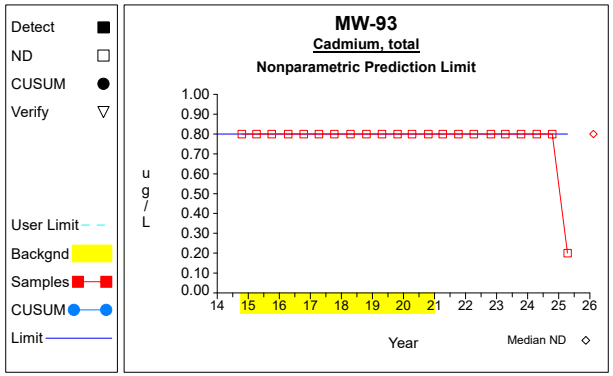
Graph 2



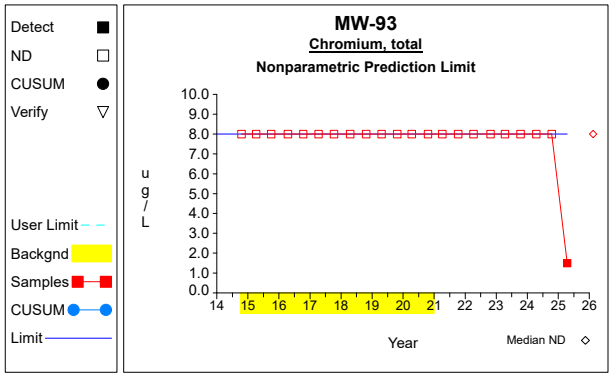
Graph 3



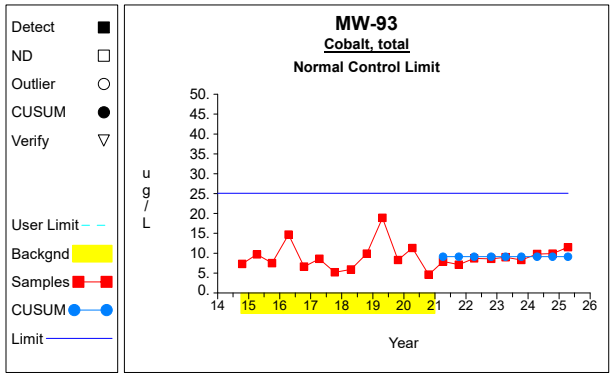
Graph 4



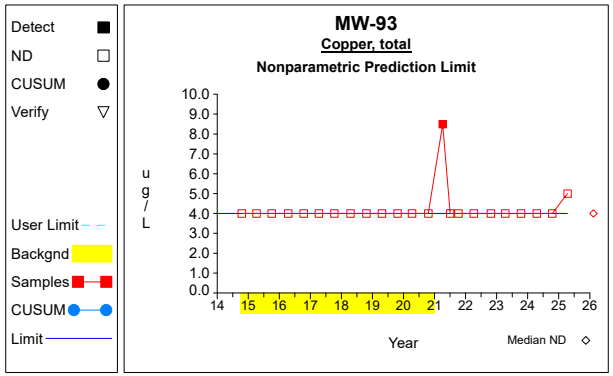
Graph 5



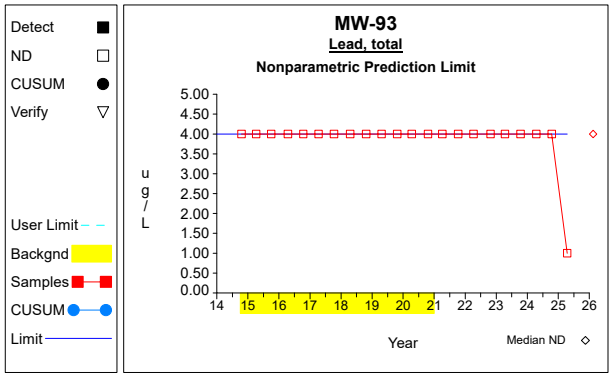
Graph 6



Graph 7



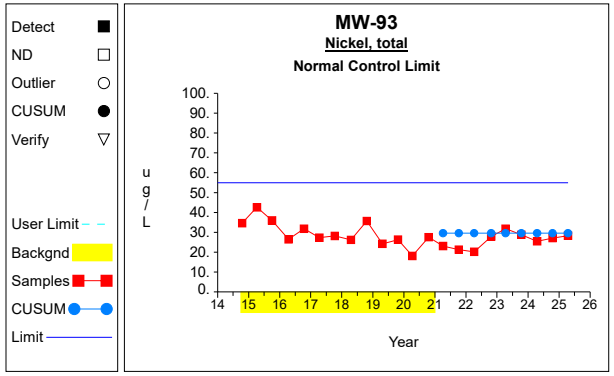
Graph 8



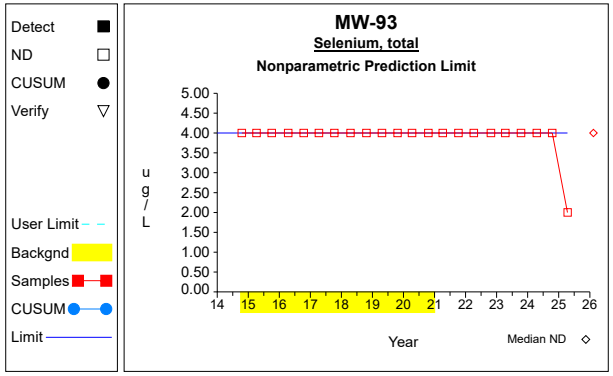
Graph 9

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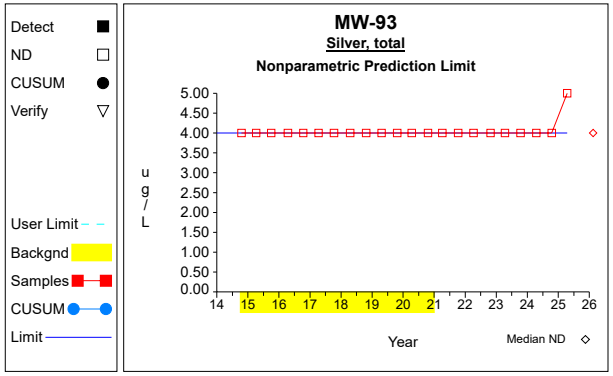
Intra-Well Control Charts / Prediction Limits



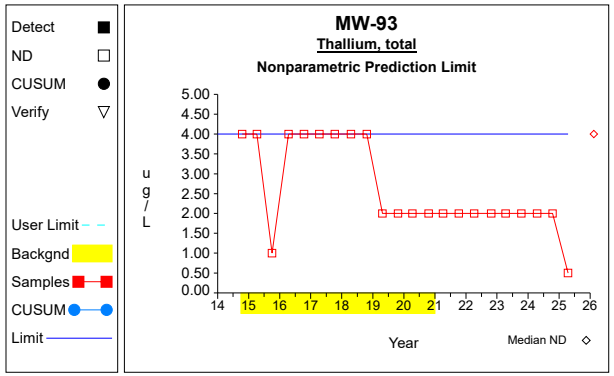
Graph 10



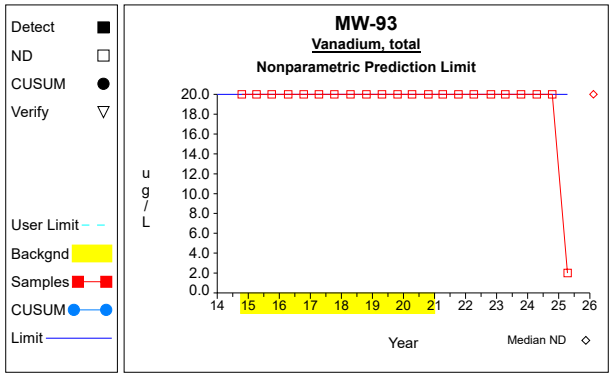
Graph 11



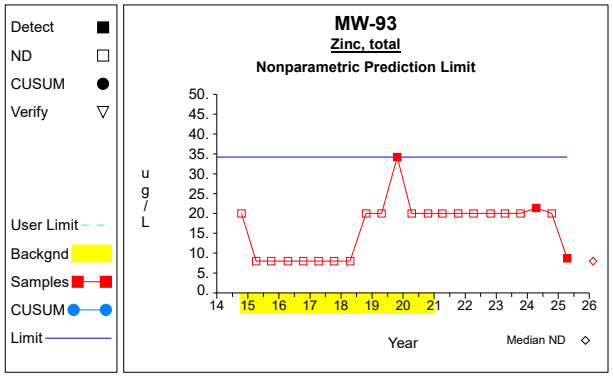
Graph 12



Graph 13

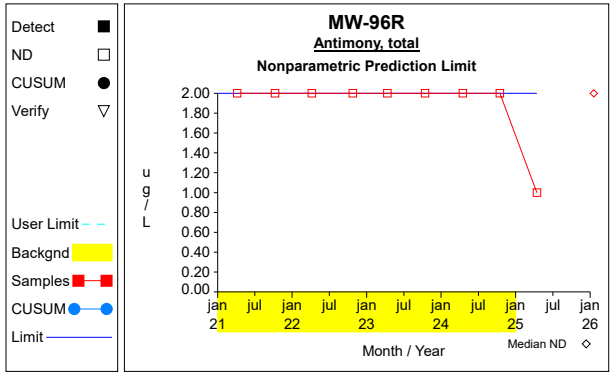


Graph 14

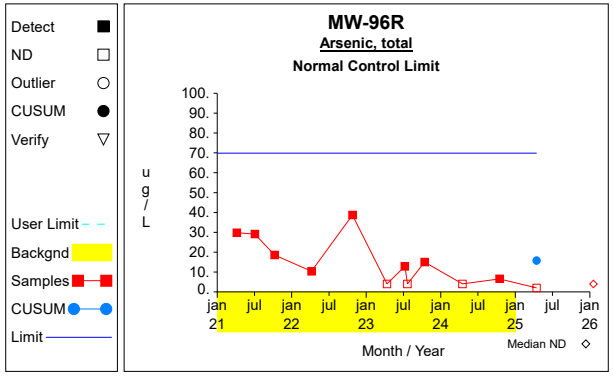


Graph 15

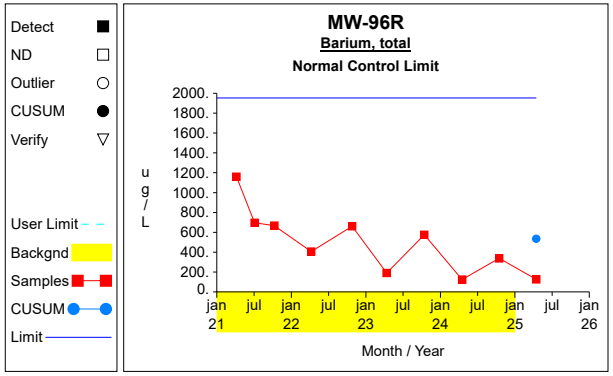
Intra-Well Control Charts / Prediction Limits



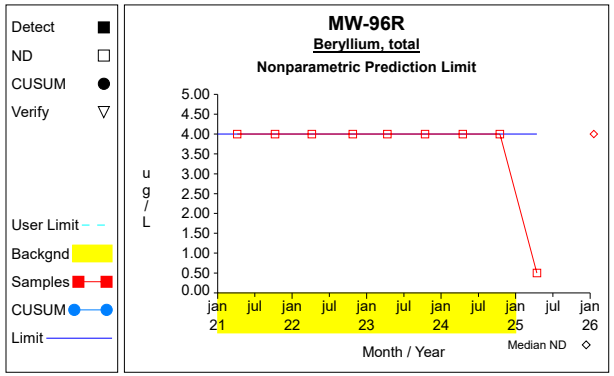
Graph 16



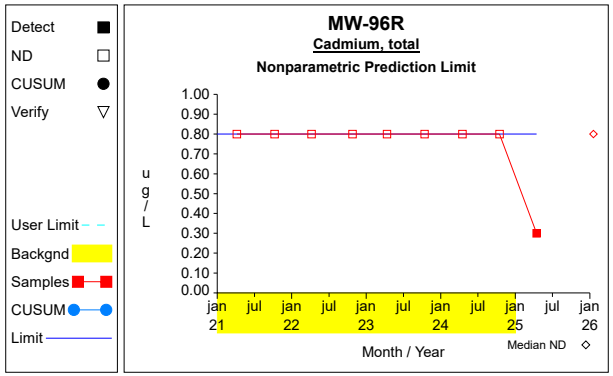
Graph 17



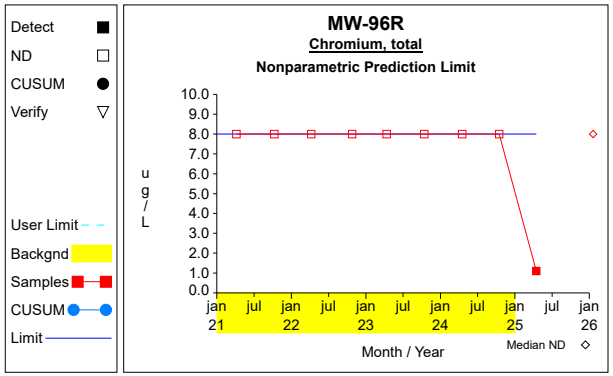
Graph 18



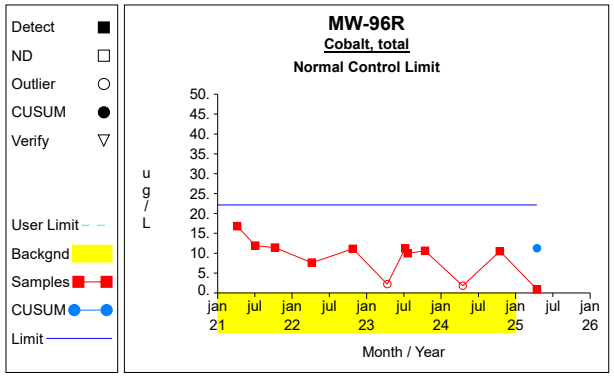
Graph 19



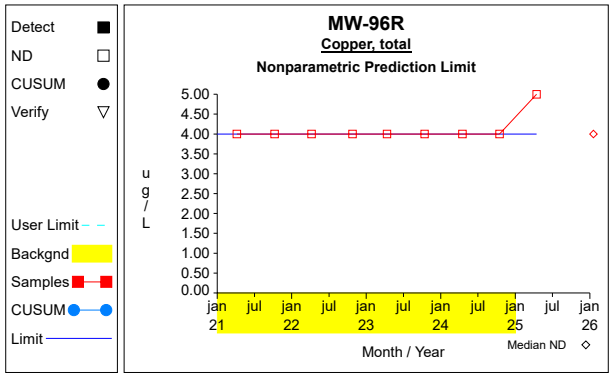
Graph 20



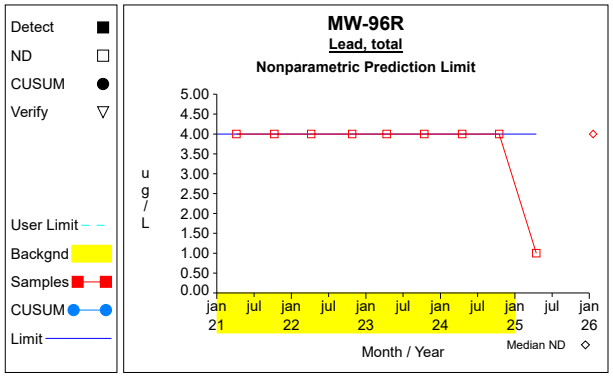
Graph 21



Graph 22



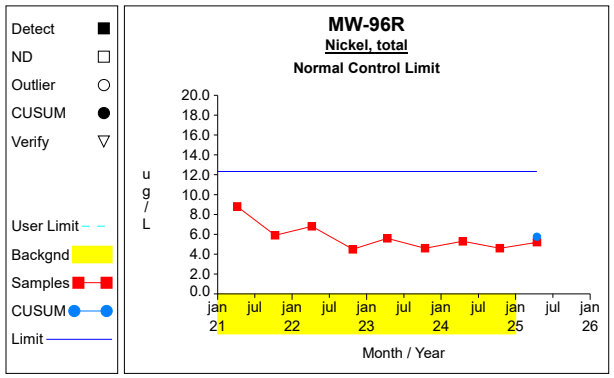
Graph 23



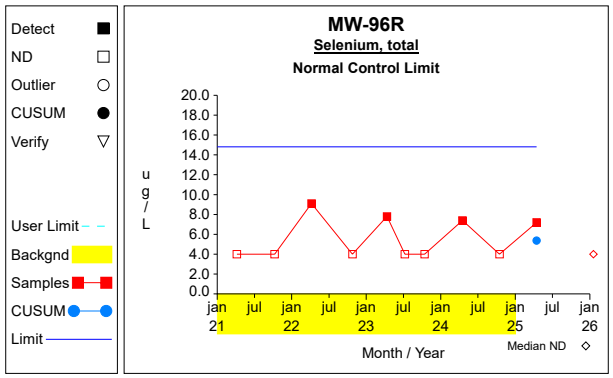
Graph 24

Prepared by: Otter Creek Environmental

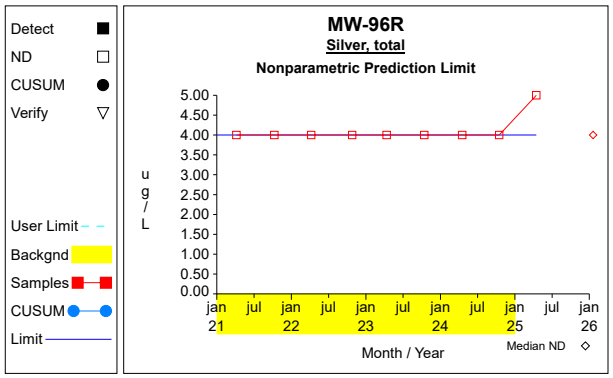
Intra-Well Control Charts / Prediction Limits



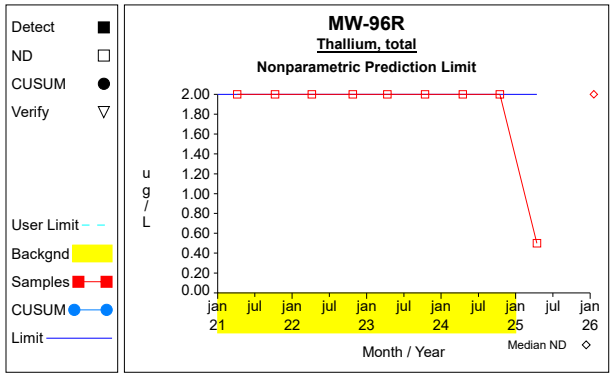
Graph 25



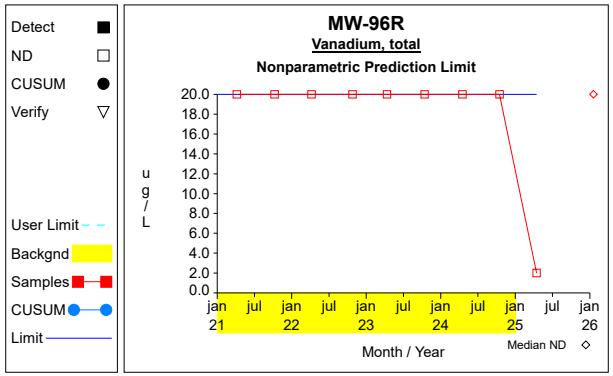
Graph 26



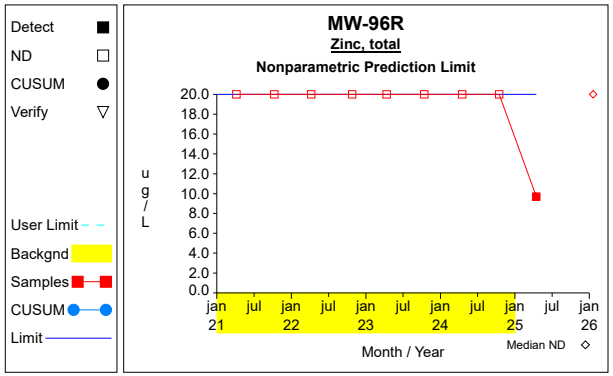
Graph 27



Graph 28

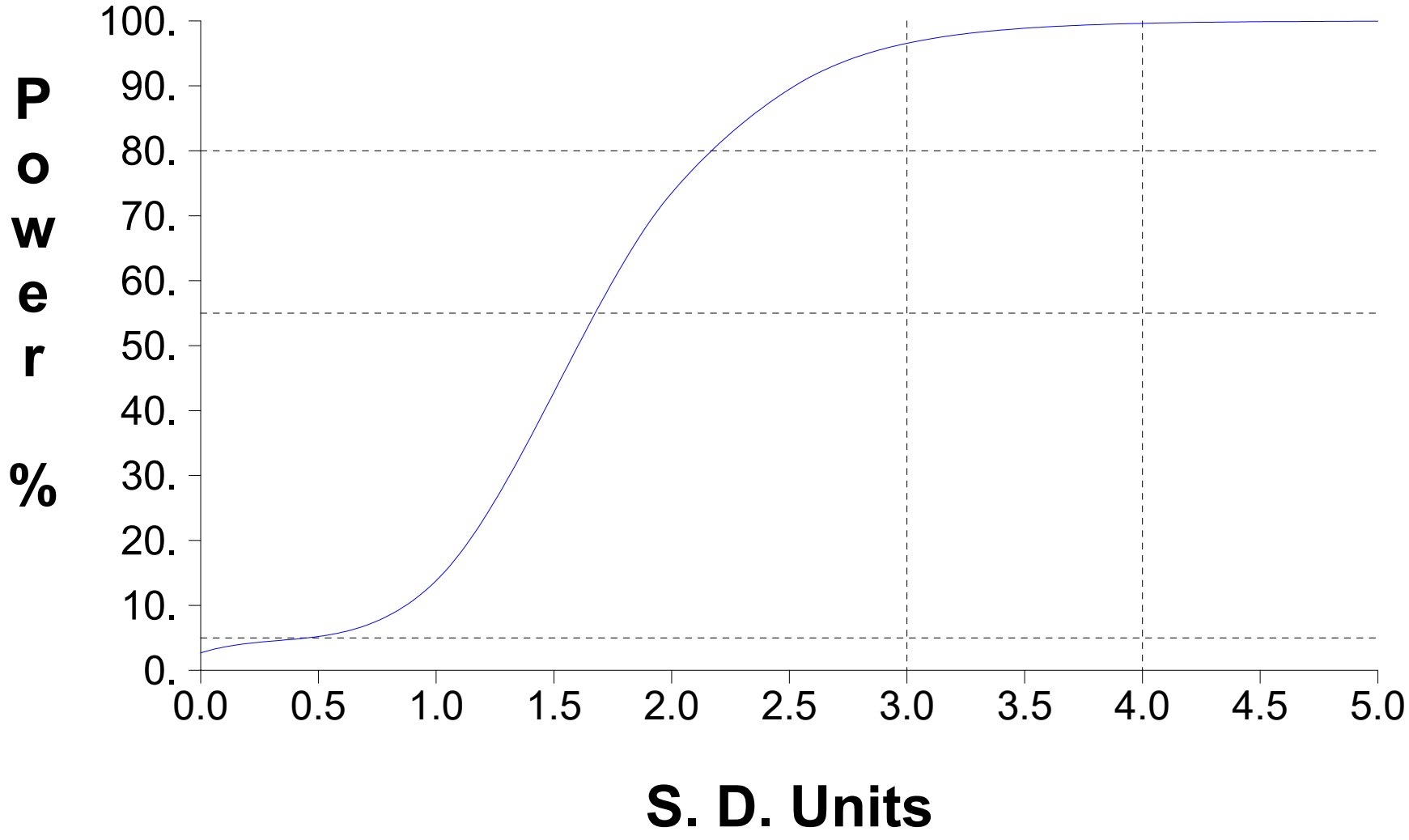


Graph 29



Graph 30

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



Attachment F

Summary Table of Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	GU-2	10/08/2010		2.8	1.0	ug/L
1,1-dichloroethane	GU-2	4/04/2011		4.6	1.0	ug/L
Benzene	GU-2	10/08/2010		1.6	1.0	ug/L
Benzene	GU-2	4/04/2011		2.3	1.0	ug/L
Chloroethane	GU-2	10/08/2010		4.9	1.0	ug/L
Chloroethane	GU-2	4/04/2011		6.8	1.0	ug/L
Cis-1,2-dichloroethylene	GU-2	10/08/2010		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	GU-2	4/04/2011		2.8	1.0	ug/L
Vinyl chloride	GU-2	10/08/2010		4.3	1.0	ug/L
Vinyl chloride	GU-2	4/04/2011		3.4	1.0	ug/L
1,1-dichloroethane	GU-3	8/11/2011		2.8	1.0	ug/L
Benzene	GU-3	8/11/2011		3.5	1.0	ug/L
Chloroethane	GU-3	8/11/2011		7.4	1.0	ug/L
Cis-1,2-dichloroethylene	GU-3	8/11/2011		3.6	1.0	ug/L
Vinyl chloride	GU-3	8/11/2011		4.6	1.0	ug/L
1,1-dichloroethane	LW-75	4/11/2023		3.8	1.0	ug/L
1,1-dichloroethane	LW-75	4/16/2024		7.6	1.0	ug/L
1,1-dichloroethane	LW-75	4/14/2025		17.1	1.0	ug/L
1,2-dichloroethane	LW-75	4/16/2024		1.9	1.0	ug/L
1,4-dichlorobenzene	LW-75	1/15/2019		18.2	5.0	ug/L
1,4-dichlorobenzene	LW-75	1/07/2020		11.2	5.0	ug/L
1,4-dichlorobenzene	LW-75	10/19/2020		9.4	1.0	ug/L
1,4-dichlorobenzene	LW-75	4/05/2021		9.6	1.0	ug/L
1,4-dichlorobenzene	LW-75	4/06/2022		10.0	1.0	ug/L
1,4-dichlorobenzene	LW-75	4/11/2023		67.5	1.0	ug/L
1,4-dichlorobenzene	LW-75	4/16/2024		163.0	1.0	ug/L
1,4-dichlorobenzene	LW-75	4/14/2025		375.0	10.0	ug/L
4-methyl-2-pentanone (mibk)	LW-75	4/11/2023		11.6	5.0	ug/L
4-methyl-2-pentanone (mibk)	LW-75	4/16/2024		6.1	5.0	ug/L
4-methyl-2-pentanone (mibk)	LW-75	4/14/2025		6.6	5.0	ug/L
Acetone	LW-75	10/19/2020		17.0	10.0	ug/L
Acetone	LW-75	4/05/2021		15.5	10.0	ug/L
Acetone	LW-75	4/16/2024		28.8	10.0	ug/L
Acetone	LW-75	4/14/2025		33.2	10.0	ug/L
Benzene	LW-75	1/15/2019		7.8	5.0	ug/L
Benzene	LW-75	10/19/2020		3.4	1.0	ug/L
Benzene	LW-75	4/05/2021		4.8	1.0	ug/L
Benzene	LW-75	4/06/2022		5.2	1.0	ug/L
Benzene	LW-75	4/11/2023		9.4	1.0	ug/L
Benzene	LW-75	4/16/2024		8.9	1.0	ug/L
Benzene	LW-75	4/14/2025		12.5	1.0	ug/L
Carbon disulfide	LW-75	4/11/2023		2.1	1.0	ug/L
Chloroethane	LW-75	10/19/2020		1.6	1.0	ug/L
Chloroethane	LW-75	4/05/2021		4.2	1.0	ug/L
Chloroethane	LW-75	4/06/2022		3.8	1.0	ug/L
Chloroethane	LW-75	4/11/2023		1.9	1.0	ug/L
Chloroethane	LW-75	4/16/2024		3.9	1.0	ug/L
Chloroethane	LW-75	4/14/2025		4.0	1.0	ug/L
Chloromethane	LW-75	4/16/2024		1	1	ug/L
Cis-1,2-dichloroethylene	LW-75	4/05/2021		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	LW-75	4/11/2023		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	LW-75	4/16/2024		6.8	1.0	ug/L
Cis-1,2-dichloroethylene	LW-75	4/14/2025		15.7	1.0	ug/L
Ethylbenzene	LW-75	1/15/2019		77.8	5.0	ug/L
Ethylbenzene	LW-75	1/07/2020		48.4	5.0	ug/L
Ethylbenzene	LW-75	10/19/2020		38.6	1.0	ug/L
Ethylbenzene	LW-75	4/05/2021		39.9	1.0	ug/L
Ethylbenzene	LW-75	4/06/2022		35.3	1.0	ug/L
Ethylbenzene	LW-75	4/11/2023		275.0	5.0	ug/L
Ethylbenzene	LW-75	4/16/2024		297.0	5.0	ug/L
Ethylbenzene	LW-75	4/14/2025		246.0	10.0	ug/L
Methylene chloride	LW-75	4/11/2023		33.1	5.0	ug/L
Methylene chloride	LW-75	4/16/2024		75.3	5.0	ug/L
Methylene chloride	LW-75	4/14/2025		147.0	5.0	ug/L
Styrene	LW-75	4/11/2023		1.6	1.0	ug/L
Styrene	LW-75	4/16/2024		2.5	1.0	ug/L
Toluene	LW-75	4/06/2022		2.5	1.0	ug/L
Toluene	LW-75	4/11/2023		73.8	1.0	ug/L
Toluene	LW-75	4/16/2024		108.0	1.0	ug/L
Toluene	LW-75	4/14/2025		230.0	10.0	ug/L
Trichloroethylene	LW-75	4/16/2024		1.7	1.0	ug/L
Trichloroethylene	LW-75	4/14/2025		2.3	1.0	ug/L
Vinyl chloride	LW-75	4/11/2023		3.4	1.0	ug/L
Vinyl chloride	LW-75	4/16/2024		3.4	1.0	ug/L
Vinyl chloride	LW-75	4/14/2025		6.4	1.0	ug/L
Xylenes, total	LW-75	1/15/2019		86.0	10.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Xylenes, total	LW-75	1/07/2020		65.2	10.0	ug/L
Xylenes, total	LW-75	10/19/2020		49.2	2.0	ug/L
Xylenes, total	LW-75	4/05/2021		71.4	2.0	ug/L
Xylenes, total	LW-75	4/06/2022		62.1	2.0	ug/L
Xylenes, total	LW-75	4/11/2023		161.0	2.0	ug/L
Xylenes, total	LW-75	4/16/2024		231.0	2.0	ug/L
Xylenes, total	LW-75	4/14/2025		165.0	20.0	ug/L
1,1-dichloroethane	MW-205	10/14/2016		10.2	1.0	ug/L
1,1-dichloroethane	MW-205	4/10/2017		7.1	1.0	ug/L
1,1-dichloroethane	MW-205	10/09/2017		7.7	1.0	ug/L
1,1-dichloroethane	MW-205	4/17/2018		7.8	1.0	ug/L
1,1-dichloroethane	MW-205	10/22/2018		3.3	1.0	ug/L
1,1-dichloroethane	MW-205	4/22/2019		5.7	1.0	ug/L
1,1-dichloroethane	MW-205	10/23/2020		4.8	1.0	ug/L
1,1-dichloroethane	MW-205	4/05/2021		2.8	1.0	ug/L
1,2-dichlorobenzene	MW-205	4/17/2018		1.1	1.0	ug/L
1,2-dichloropropane	MW-205	4/10/2017		2.0	1.0	ug/L
1,2-dichloropropane	MW-205	4/17/2018		3.3	1.0	ug/L
1,2-dichloropropane	MW-205	4/22/2019		1.3	1.0	ug/L
1,2-dichloropropane	MW-205	4/05/2021		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-205	10/14/2016		7.2	1.0	ug/L
1,4-dichlorobenzene	MW-205	4/10/2017		8.5	1.0	ug/L
1,4-dichlorobenzene	MW-205	10/09/2017		8.0	1.0	ug/L
1,4-dichlorobenzene	MW-205	4/17/2018		11.9	1.0	ug/L
1,4-dichlorobenzene	MW-205	10/22/2018		9.4	1.0	ug/L
1,4-dichlorobenzene	MW-205	10/23/2020		8.7	1.0	ug/L
1,4-dichlorobenzene	MW-205	4/05/2021		10.2	1.0	ug/L
Acetone	MW-205	10/09/2017		22.2	10.0	ug/L
Benzene	MW-205	4/02/2008		4.6	1.0	ug/L
Benzene	MW-205	10/03/2008		5.9	1.0	ug/L
Benzene	MW-205	4/01/2009		5.8	1.0	ug/L
Benzene	MW-205	10/08/2012		4.3	1.0	ug/L
Benzene	MW-205	10/16/2013		5.6	1.0	ug/L
Benzene	MW-205	4/09/2014		3.0	1.0	ug/L
Benzene	MW-205	10/17/2014		7.2	1.0	ug/L
Benzene	MW-205	4/06/2015		10.8	1.0	ug/L
Benzene	MW-205	4/14/2016		12.1	1.0	ug/L
Benzene	MW-205	10/14/2016		12.3	1.0	ug/L
Benzene	MW-205	4/10/2017		10.8	1.0	ug/L
Benzene	MW-205	10/09/2017		8.7	1.0	ug/L
Benzene	MW-205	4/17/2018		5.6	1.0	ug/L
Benzene	MW-205	10/22/2018		10.8	1.0	ug/L
Benzene	MW-205	4/22/2019		11.9	1.0	ug/L
Benzene	MW-205	10/23/2020		13.6	1.0	ug/L
Benzene	MW-205	4/05/2021		7.2	1.0	ug/L
Chlorobenzene	MW-205	10/14/2016		2.9	1.0	ug/L
Chlorobenzene	MW-205	4/10/2017		2.6	1.0	ug/L
Chlorobenzene	MW-205	10/09/2017		1.9	1.0	ug/L
Chlorobenzene	MW-205	4/17/2018		2.4	1.0	ug/L
Chlorobenzene	MW-205	4/22/2019		4.9	1.0	ug/L
Chlorobenzene	MW-205	10/23/2020		3.4	1.0	ug/L
Chlorobenzene	MW-205	4/05/2021		3.2	1.0	ug/L
Chloroethane	MW-205	10/14/2016		7.1	1.0	ug/L
Chloroethane	MW-205	4/10/2017		5.0	1.0	ug/L
Chloroethane	MW-205	10/09/2017		3.8	1.0	ug/L
Chloroethane	MW-205	4/17/2018		3.4	1.0	ug/L
Chloroethane	MW-205	10/22/2018		3.3	1.0	ug/L
Chloroethane	MW-205	4/22/2019		4.3	1.0	ug/L
Chloroethane	MW-205	10/23/2020		3.9	1.0	ug/L
Chloroethane	MW-205	4/05/2021		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	10/14/2016		6.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	4/10/2017		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	10/09/2017		5.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	4/17/2018		5.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	4/22/2019		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	10/23/2020		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	4/05/2021		1.3	1.0	ug/L
Ethylbenzene	MW-205	10/09/2017		1.1	1.0	ug/L
Ethylbenzene	MW-205	10/22/2018		14.0	1.0	ug/L
Ethylbenzene	MW-205	4/22/2019		4.8	1.0	ug/L
Toluene	MW-205	10/14/2016		1.0	1.0	ug/L
Toluene	MW-205	4/10/2017		1.0	1.0	ug/L
Toluene	MW-205	4/22/2019		1.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-205	4/17/2018		1	1	ug/L
Trichloroethylene	MW-205	4/02/2008		4.1	1.0	ug/L
Trichloroethylene	MW-205	10/03/2008		8.0	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trichloroethylene	MW-205	4/01/2009		2.3	1.0	ug/L
Trichloroethylene	MW-205	10/08/2012		5.2	1.0	ug/L
Trichloroethylene	MW-205	10/16/2013		5.6	1.0	ug/L
Trichloroethylene	MW-205	4/09/2014		6.1	1.0	ug/L
Trichloroethylene	MW-205	10/17/2014		19.3	1.0	ug/L
Trichloroethylene	MW-205	4/06/2015		8.8	1.0	ug/L
Trichloroethylene	MW-205	4/14/2016		1.2	1.0	ug/L
Trichloroethylene	MW-205	10/14/2016		1.2	1.0	ug/L
Trichloroethylene	MW-205	4/17/2018		1.7	1.0	ug/L
Vinyl chloride	MW-205	10/14/2016		1.8	1.0	ug/L
Vinyl chloride	MW-205	4/10/2017		1.9	1.0	ug/L
Vinyl chloride	MW-205	10/09/2017		1.2	1.0	ug/L
Vinyl chloride	MW-205	4/17/2018		1.0	1.0	ug/L
Xylenes, total	MW-205	4/22/2019		4	2	ug/L
1,1-dichloroethane	MW-213	4/05/2021		2.2	1.0	ug/L
1,1-dichloroethane	MW-213	4/06/2022		3.3	1.0	ug/L
1,1-dichloroethane	MW-213	10/25/2022		2.7	1.0	ug/L
1,1-dichloroethane	MW-213	4/10/2023		2.5	1.0	ug/L
1,1-dichloroethane	MW-213	10/13/2023		3.2	1.0	ug/L
1,1-dichloroethane	MW-213	10/15/2024		1.9	1.0	ug/L
1,1-dichloroethane	MW-213	4/14/2025		2.5	1.0	ug/L
1,2-dichloropropane	MW-213	4/10/2017		1.6	1.0	ug/L
1,2-dichloropropane	MW-213	4/22/2019		3.8	1.0	ug/L
1,2-dichloropropane	MW-213	10/23/2020		6.1	1.0	ug/L
1,2-dichloropropane	MW-213	4/05/2021		7.6	1.0	ug/L
1,2-dichloropropane	MW-213	4/06/2022		7.7	1.0	ug/L
1,2-dichloropropane	MW-213	10/25/2022		6.5	1.0	ug/L
1,2-dichloropropane	MW-213	4/10/2023		5.6	1.0	ug/L
1,2-dichloropropane	MW-213	10/13/2023		4.1	1.0	ug/L
1,2-dichloropropane	MW-213	10/15/2024		3.8	1.0	ug/L
1,2-dichloropropane	MW-213	4/14/2025		2.5	1.0	ug/L
Benzene	MW-213	10/25/2022		1.1	1.0	ug/L
Benzene	MW-213	4/10/2023		1.0	1.0	ug/L
Benzene	MW-213	10/13/2023		1.4	1.0	ug/L
Benzene	MW-213	4/14/2025		1.6	1.0	ug/L
Chloroethane	MW-213	10/23/2020		1.5	1.0	ug/L
Chloroethane	MW-213	4/05/2021		2.6	1.0	ug/L
Chloroethane	MW-213	4/06/2022		2.6	1.0	ug/L
Chloroethane	MW-213	10/25/2022		3.0	1.0	ug/L
Chloroethane	MW-213	4/10/2023		2.5	1.0	ug/L
Chloroethane	MW-213	10/13/2023		4.2	1.0	ug/L
Chloroethane	MW-213	10/15/2024		1.4	1.0	ug/L
Chloroethane	MW-213	4/14/2025		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/14/2016		8.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/10/2017		4.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/17/2018		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/22/2018		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/22/2019		19.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/23/2020		44.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/05/2021		37.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/06/2022		43.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/25/2022		31.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/10/2023		21.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/13/2023		32.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/15/2024		19.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/14/2025		20.9	1.0	ug/L
Vinyl chloride	MW-213	10/23/2020		1.4	1.0	ug/L
Vinyl chloride	MW-213	4/05/2021		3.0	1.0	ug/L
Vinyl chloride	MW-213	4/06/2022		2.4	1.0	ug/L
Vinyl chloride	MW-213	10/25/2022		3.1	1.0	ug/L
Vinyl chloride	MW-213	4/10/2023		2.5	1.0	ug/L
Vinyl chloride	MW-213	10/13/2023		4.3	1.0	ug/L
Vinyl chloride	MW-213	10/15/2024		1.4	1.0	ug/L
Vinyl chloride	MW-213	4/14/2025		2.5	1.0	ug/L
1,1-dichloroethane	MW-214	10/14/2016		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	10/14/2016		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	4/10/2017		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	10/09/2017		2.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	4/17/2018		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	10/22/2018		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	4/22/2019		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	10/23/2020		6.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	4/05/2021		3.3	1.0	ug/L
Tetrachloroethylene	MW-214	10/14/2016		12.2	1.0	ug/L
Tetrachloroethylene	MW-214	4/10/2017		9.9	1.0	ug/L
Tetrachloroethylene	MW-214	10/09/2017		8.8	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Tetrachloroethylene	MW-214	4/17/2018		8.6	1.0	ug/L
Tetrachloroethylene	MW-214	10/22/2018		4.1	1.0	ug/L
Tetrachloroethylene	MW-214	4/22/2019		8.5	1.0	ug/L
Tetrachloroethylene	MW-214	10/23/2020		7.8	1.0	ug/L
Tetrachloroethylene	MW-214	4/05/2021		5.4	1.0	ug/L
Trichloroethylene	MW-214	4/02/2008		5.2	1.0	ug/L
Trichloroethylene	MW-214	10/03/2008		5.9	1.0	ug/L
Trichloroethylene	MW-214	4/01/2009		4.1	1.0	ug/L
Trichloroethylene	MW-214	10/08/2012		3.6	1.0	ug/L
Trichloroethylene	MW-214	10/16/2013		2.9	1.0	ug/L
Trichloroethylene	MW-214	4/09/2014		2.0	1.0	ug/L
Trichloroethylene	MW-214	10/17/2014		2.0	1.0	ug/L
Trichloroethylene	MW-214	4/06/2015		1.8	1.0	ug/L
Trichloroethylene	MW-214	4/14/2016		2.1	1.0	ug/L
Trichloroethylene	MW-214	10/14/2016		3.0	1.0	ug/L
Trichloroethylene	MW-214	4/10/2017		2.4	1.0	ug/L
Trichloroethylene	MW-214	10/09/2017		2.8	1.0	ug/L
Trichloroethylene	MW-214	4/17/2018		2.6	1.0	ug/L
Trichloroethylene	MW-214	4/22/2019		3.3	1.0	ug/L
Trichloroethylene	MW-214	10/23/2020		5.8	1.0	ug/L
Trichloroethylene	MW-214	4/05/2021		2.9	1.0	ug/L
1,1,1-trichloroethane	MW-49	10/23/1992		10.5	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/21/1993		17.7	1.0	ug/L
1,1,1-trichloroethane	MW-49	4/22/1993		14.7	1.0	ug/L
1,1,1-trichloroethane	MW-49	7/13/1993		11.4	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/25/1994		18.1	1.0	ug/L
1,1,1-trichloroethane	MW-49	4/14/1994		12.8	1.0	ug/L
1,1,1-trichloroethane	MW-49	7/08/1994		10.1	1.0	ug/L
1,1,1-trichloroethane	MW-49	10/20/1994		7.5	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/04/1995		8.0	1.0	ug/L
1,1,1-trichloroethane	MW-49	4/21/1995		9.0	1.0	ug/L
1,1,1-trichloroethane	MW-49	7/07/1995		9.8	1.0	ug/L
1,1,1-trichloroethane	MW-49	10/12/1995		9.5	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/10/1996		8.1	1.0	ug/L
1,1,1-trichloroethane	MW-49	7/17/1996		4.5	1.0	ug/L
1,1,1-trichloroethane	MW-49	10/08/1996		5.2	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/21/1997		2.7	1.0	ug/L
1,1,1-trichloroethane	MW-49	4/11/1997		2.3	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/27/1998		2.8	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/06/2000		1.0	1.0	ug/L
1,1-dichloroethane	MW-49	3/28/2008		2.9	1.0	ug/L
1,1-dichloroethane	MW-49	6/27/2008		2.7	1.0	ug/L
1,1-dichloroethane	MW-49	8/04/2008		2.7	1.0	ug/L
1,1-dichloroethane	MW-49	12/08/2008		3.1	1.0	ug/L
1,1-dichloroethane	MW-49	4/02/2009		2.7	1.0	ug/L
1,1-dichloroethane	MW-49	10/21/2009		2.6	1.0	ug/L
1,1-dichloroethane	MW-49	4/20/2010		3.0	1.0	ug/L
1,1-dichloroethane	MW-49	10/08/2010		3.0	1.0	ug/L
1,1-dichloroethane	MW-49	4/05/2011		2.3	1.0	ug/L
1,1-dichloroethane	MW-49	10/06/2011		2.8	1.0	ug/L
1,1-dichloroethane	MW-49	4/10/2012		2.1	1.0	ug/L
1,1-dichloroethane	MW-49	10/09/2012		2.8	1.0	ug/L
1,1-dichloroethane	MW-49	4/04/2013		2.0	1.0	ug/L
1,1-dichloroethane	MW-49	10/16/2013		2.6	1.0	ug/L
1,1-dichloroethane	MW-49	4/10/2014		2.2	1.0	ug/L
1,1-dichloroethane	MW-49	4/06/2015		1.5	1.0	ug/L
1,1-dichloroethane	MW-49	10/01/2015		1.1	1.0	ug/L
1,1-dichloroethane	MW-49	4/14/2016		1.3	1.0	ug/L
1,1-dichloroethane	MW-49	10/13/2016		1.9	1.0	ug/L
1,1-dichloroethane	MW-49	4/10/2017		1.7	1.0	ug/L
1,1-dichloroethane	MW-49	10/09/2017		2.1	1.0	ug/L
1,1-dichloroethane	MW-49	4/17/2018		1.4	1.0	ug/L
1,1-dichloroethane	MW-49	10/22/2018		1.2	1.0	ug/L
1,1-dichloroethane	MW-49	4/22/2019		3.4	1.0	ug/L
1,1-dichloroethane	MW-49	10/23/2019		2.6	1.0	ug/L
1,1-dichloroethane	MW-49	4/10/2020		2.6	1.0	ug/L
1,1-dichloroethane	MW-49	10/19/2020		2.5	1.0	ug/L
1,1-dichloroethane	MW-49	4/05/2021		1.4	1.0	ug/L
1,1-dichloroethane	MW-49	10/08/2021		1.9	1.0	ug/L
1,1-dichloroethane	MW-49	4/06/2022		1.0	1.0	ug/L
1,1-dichloroethane	MW-49	10/25/2022		1.7	1.0	ug/L
1,1-dichloroethane	MW-49	4/11/2023		1.4	1.0	ug/L
1,1-dichloroethane	MW-49	10/13/2023		1.6	1.0	ug/L
1,1-dichloroethane	MW-49	4/17/2024		1.1	1.0	ug/L
1,1-dichloroethane	MW-49	10/15/2024		1.2	1.0	ug/L
1,1-dichloroethane	MW-49	4/14/2025		1.5	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethylene	MW-49	1/25/1994		3.9	1.0	ug/L
1,1-dichloroethylene	MW-49	7/07/1995		1.2	1.0	ug/L
1,1-dichloroethylene	MW-49	10/18/2001		9.1	1.0	ug/L
1,2-dichloroethane	MW-49	10/04/1999		1.4	1.0	ug/L
1,2-dichloroethane	MW-49	7/05/2000		1.7	1.0	ug/L
1,2-dichloroethane	MW-49	9/11/2000		1.3	1.0	ug/L
1,2-dichloroethane	MW-49	10/08/2000		1.4	1.0	ug/L
1,2-dichloroethane	MW-49	4/27/2001		1.1	1.0	ug/L
1,2-dichloroethane	MW-49	7/23/2001		1.4	1.0	ug/L
1,2-dichloroethane	MW-49	1/25/2002		1.0	1.0	ug/L
1,2-dichloroethane	MW-49	10/14/2002		1.2	1.0	ug/L
1,2-dichloroethane	MW-49	10/10/2007		.6	.5	ug/L
1,4-dichlorobenzene	MW-49	3/28/2008		6.3	1.0	ug/L
1,4-dichlorobenzene	MW-49	6/27/2008		7.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	8/04/2008		9.0	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/03/2008		8.3	1.0	ug/L
1,4-dichlorobenzene	MW-49	12/08/2008		7.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/02/2009		8.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/21/2009		8.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/20/2010		9.2	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/08/2010		5.6	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/05/2011		8.1	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/06/2011		4.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/10/2012		8.4	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/09/2012		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/04/2013		10.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/16/2013		7.2	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/10/2014		4.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/16/2014		8.7	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/06/2015		8.7	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/01/2015		8.6	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/14/2016		8.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/13/2016		9.2	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/10/2017		7.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/09/2017		5.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/17/2018		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/22/2018		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/22/2019		11.4	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/23/2019		7.4	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/19/2020		6.6	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/05/2021		6.4	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/08/2021		6.0	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/06/2022		3.6	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/25/2022		6.3	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/11/2023		7.4	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/13/2023		6.1	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/17/2024		3.3	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/15/2024		7.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/14/2025		5.6	1.0	ug/L
Acetone	MW-49	10/21/2009		48.4	10.0	ug/L
Acetone	MW-49	4/05/2011		69.3	10.0	ug/L
Acetone	MW-49	10/09/2017		20.0	10.0	ug/L
Acetone	MW-49	4/17/2018		76.0	10.0	ug/L
Acetone	MW-49	10/22/2018		36.8	10.0	ug/L
Acetone	MW-49	4/06/2022		24.1	10.0	ug/L
Benzene	MW-49	7/07/1995		1.0	1.0	ug/L
Benzene	MW-49	7/17/1996		1.9	1.0	ug/L
Benzene	MW-49	10/08/1996		1.1	1.0	ug/L
Benzene	MW-49	1/21/1997		2.5	1.0	ug/L
Benzene	MW-49	4/11/1997		3.1	1.0	ug/L
Benzene	MW-49	7/17/1997		2.5	1.0	ug/L
Benzene	MW-49	10/15/1997		2.2	1.0	ug/L
Benzene	MW-49	1/27/1998		1.6	1.0	ug/L
Benzene	MW-49	7/21/1998		1.7	1.0	ug/L
Benzene	MW-49	1/26/1999		1.8	1.0	ug/L
Benzene	MW-49	4/19/1999		2.4	1.0	ug/L
Benzene	MW-49	10/04/1999		1.9	1.0	ug/L
Benzene	MW-49	1/06/2000		1.3	1.0	ug/L
Benzene	MW-49	7/05/2000		1.3	1.0	ug/L
Benzene	MW-49	9/11/2000		1.4	1.0	ug/L
Benzene	MW-49	10/08/2000		1.4	1.0	ug/L
Benzene	MW-49	1/18/2001		1.7	1.0	ug/L
Benzene	MW-49	4/27/2001		1.7	1.0	ug/L
Benzene	MW-49	7/23/2001		2.8	1.0	ug/L
Benzene	MW-49	10/18/2001		1.7	1.0	ug/L
Benzene	MW-49	1/25/2002		1.6	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-49	4/24/2002		2.4	1.0	ug/L
Benzene	MW-49	7/22/2002		2.4	1.0	ug/L
Benzene	MW-49	1/29/2003		1.3	1.0	ug/L
Benzene	MW-49	7/11/2003		2.1	1.0	ug/L
Benzene	MW-49	10/06/2003		2.0	1.0	ug/L
Benzene	MW-49	1/12/2004		2.0	1.0	ug/L
Benzene	MW-49	4/26/2004		2.6	1.0	ug/L
Benzene	MW-49	4/11/2005		2.4	1.0	ug/L
Benzene	MW-49	10/05/2005		2.1	1.0	ug/L
Benzene	MW-49	4/05/2006		2.3	1.0	ug/L
Benzene	MW-49	10/04/2006		2.0	1.0	ug/L
Benzene	MW-49	4/12/2007		2.3	1.0	ug/L
Benzene	MW-49	10/10/2007		2.0	1.0	ug/L
Benzene	MW-49	3/28/2008		2.5	1.0	ug/L
Benzene	MW-49	6/27/2008		2.6	1.0	ug/L
Benzene	MW-49	8/04/2008		2.6	1.0	ug/L
Benzene	MW-49	12/08/2008		2.2	1.0	ug/L
Benzene	MW-49	4/02/2009		2.7	1.0	ug/L
Benzene	MW-49	10/21/2009		2.6	1.0	ug/L
Benzene	MW-49	4/20/2010		2.0	1.0	ug/L
Benzene	MW-49	4/05/2011		2.6	1.0	ug/L
Benzene	MW-49	10/06/2011		1.0	1.0	ug/L
Benzene	MW-49	4/10/2012		2.2	1.0	ug/L
Benzene	MW-49	4/04/2013		2.2	1.0	ug/L
Benzene	MW-49	10/16/2014		2.9	1.0	ug/L
Benzene	MW-49	4/06/2015		2.3	1.0	ug/L
Benzene	MW-49	10/01/2015		1.9	1.0	ug/L
Benzene	MW-49	4/14/2016		2.6	1.0	ug/L
Benzene	MW-49	10/13/2016		3.5	1.0	ug/L
Benzene	MW-49	4/10/2017		3.0	1.0	ug/L
Benzene	MW-49	10/09/2017		1.2	1.0	ug/L
Benzene	MW-49	4/17/2018		1.9	1.0	ug/L
Benzene	MW-49	10/22/2018		2.5	1.0	ug/L
Benzene	MW-49	4/22/2019		4.3	1.0	ug/L
Benzene	MW-49	10/23/2019		3.5	1.0	ug/L
Benzene	MW-49	4/10/2020		3.7	1.0	ug/L
Benzene	MW-49	10/19/2020		2.0	1.0	ug/L
Benzene	MW-49	4/05/2021		2.8	1.0	ug/L
Benzene	MW-49	10/08/2021		1.9	1.0	ug/L
Benzene	MW-49	4/06/2022		2.4	1.0	ug/L
Benzene	MW-49	10/25/2022		2.4	1.0	ug/L
Benzene	MW-49	4/11/2023		2.9	1.0	ug/L
Benzene	MW-49	10/13/2023		1.1	1.0	ug/L
Benzene	MW-49	10/15/2024		3.7	1.0	ug/L
Benzene	MW-49	4/14/2025		2.7	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-49	12/08/2008		13	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-49	4/06/2015		65	10	ug/L
Chlorobenzene	MW-49	4/22/2019		1.1	1.0	ug/L
Chlorobenzene	MW-49	4/10/2020		1.1	1.0	ug/L
Chlorobenzene	MW-49	10/19/2020		1.0	1.0	ug/L
Chlorobenzene	MW-49	4/05/2021		1.0	1.0	ug/L
Chlorobenzene	MW-49	10/08/2021		1.0	1.0	ug/L
Chlorobenzene	MW-49	10/25/2022		1.1	1.0	ug/L
Chlorobenzene	MW-49	10/13/2023		1.0	1.0	ug/L
Chlorobenzene	MW-49	10/15/2024		1.1	1.0	ug/L
Chloroethane	MW-49	3/28/2008		17.8	1.0	ug/L
Chloroethane	MW-49	6/27/2008		15.5	1.0	ug/L
Chloroethane	MW-49	8/04/2008		16.5	1.0	ug/L
Chloroethane	MW-49	10/03/2008		18.1	1.0	ug/L
Chloroethane	MW-49	12/08/2008		18.1	1.0	ug/L
Chloroethane	MW-49	4/02/2009		18.1	1.0	ug/L
Chloroethane	MW-49	10/21/2009		18.6	1.0	ug/L
Chloroethane	MW-49	4/20/2010		15.8	1.0	ug/L
Chloroethane	MW-49	10/08/2010		13.6	1.0	ug/L
Chloroethane	MW-49	4/05/2011		17.2	1.0	ug/L
Chloroethane	MW-49	10/06/2011		11.6	1.0	ug/L
Chloroethane	MW-49	4/10/2012		11.8	1.0	ug/L
Chloroethane	MW-49	10/09/2012		10.0	1.0	ug/L
Chloroethane	MW-49	4/04/2013		11.3	1.0	ug/L
Chloroethane	MW-49	10/16/2013		5.7	1.0	ug/L
Chloroethane	MW-49	4/10/2014		11.2	1.0	ug/L
Chloroethane	MW-49	10/16/2014		12.9	1.0	ug/L
Chloroethane	MW-49	4/06/2015		8.9	1.0	ug/L
Chloroethane	MW-49	10/01/2015		8.7	1.0	ug/L
Chloroethane	MW-49	4/14/2016		9.0	1.0	ug/L
Chloroethane	MW-49	10/13/2016		11.9	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-49	4/10/2017		10.1	1.0	ug/L
Chloroethane	MW-49	10/09/2017		8.7	1.0	ug/L
Chloroethane	MW-49	4/17/2018		5.5	1.0	ug/L
Chloroethane	MW-49	10/22/2018		11.0	1.0	ug/L
Chloroethane	MW-49	4/22/2019		8.2	1.0	ug/L
Chloroethane	MW-49	10/23/2019		10.2	1.0	ug/L
Chloroethane	MW-49	4/10/2020		9.4	1.0	ug/L
Chloroethane	MW-49	10/19/2020		9.8	1.0	ug/L
Chloroethane	MW-49	4/05/2021		6.8	1.0	ug/L
Chloroethane	MW-49	10/08/2021		7.3	1.0	ug/L
Chloroethane	MW-49	4/06/2022		5.6	1.0	ug/L
Chloroethane	MW-49	10/25/2022		7.4	1.0	ug/L
Chloroethane	MW-49	4/11/2023		6.6	1.0	ug/L
Chloroethane	MW-49	10/13/2023		6.6	1.0	ug/L
Chloroethane	MW-49	4/17/2024		4.6	1.0	ug/L
Chloroethane	MW-49	10/15/2024		5.5	1.0	ug/L
Chloroethane	MW-49	4/14/2025		5.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	3/28/2008		42.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	6/27/2008		41.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	8/04/2008		41.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/03/2008		45.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	12/08/2008		42.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/02/2009		42.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/21/2009		41.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/20/2010		38.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/08/2010		33.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/05/2011		41.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/06/2011		28.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/10/2012		32.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/09/2012		25.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/04/2013		28.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/16/2013		24.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/10/2014		23.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/16/2014		23.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/06/2015		13.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/01/2015		11.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/14/2016		13.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/13/2016		13.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/10/2017		10.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/09/2017		16.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/17/2018		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/22/2019		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/10/2020		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/19/2020		6.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/08/2021		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/25/2022		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/13/2023		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/17/2024		2.4	1.0	ug/L
Trichloroethylene	MW-49	1/21/1993		1.2	1.0	ug/L
Trichloroethylene	MW-49	4/22/1993		3.3	1.0	ug/L
Trichloroethylene	MW-49	7/13/1993		5.5	1.0	ug/L
Trichloroethylene	MW-49	1/25/1994		3.2	1.0	ug/L
Trichloroethylene	MW-49	4/14/1994		1.8	1.0	ug/L
Trichloroethylene	MW-49	7/08/1994		2.5	1.0	ug/L
Trichloroethylene	MW-49	10/20/1994		4.7	1.0	ug/L
Trichloroethylene	MW-49	1/04/1995		4.1	1.0	ug/L
Trichloroethylene	MW-49	4/21/1995		4.7	1.0	ug/L
Trichloroethylene	MW-49	7/07/1995		4.4	1.0	ug/L
Trichloroethylene	MW-49	10/12/1995		3.4	1.0	ug/L
Trichloroethylene	MW-49	1/10/1996		2.7	1.0	ug/L
Trichloroethylene	MW-49	7/17/1996		5.7	1.0	ug/L
Trichloroethylene	MW-49	10/08/1996		5.8	1.0	ug/L
Trichloroethylene	MW-49	1/21/1997		9.5	1.0	ug/L
Trichloroethylene	MW-49	4/11/1997		10.4	1.0	ug/L
Trichloroethylene	MW-49	7/17/1997		10.8	1.0	ug/L
Trichloroethylene	MW-49	10/15/1997		9.6	1.0	ug/L
Trichloroethylene	MW-49	1/27/1998		7.6	1.0	ug/L
Trichloroethylene	MW-49	4/21/1998		12.2	1.0	ug/L
Trichloroethylene	MW-49	7/21/1998		12.9	1.0	ug/L
Trichloroethylene	MW-49	10/09/1998		9.5	1.0	ug/L
Trichloroethylene	MW-49	1/26/1999		11.1	1.0	ug/L
Trichloroethylene	MW-49	4/19/1999		13.1	1.0	ug/L
Trichloroethylene	MW-49	7/29/1999		10.4	1.0	ug/L
Trichloroethylene	MW-49	10/04/1999		9.8	1.0	ug/L
Trichloroethylene	MW-49	1/06/2000		7.9	1.0	ug/L
Trichloroethylene	MW-49	4/13/2000		5.0	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trichloroethylene	MW-49	7/05/2000		12.0	1.0	ug/L
Trichloroethylene	MW-49	9/11/2000		6.4	1.0	ug/L
Trichloroethylene	MW-49	10/08/2000		4.0	1.0	ug/L
Trichloroethylene	MW-49	1/18/2001		1.2	1.0	ug/L
Trichloroethylene	MW-49	4/27/2001		1.2	1.0	ug/L
Trichloroethylene	MW-49	7/23/2001		2.4	1.0	ug/L
Trichloroethylene	MW-49	10/18/2001		1.5	1.0	ug/L
Trichloroethylene	MW-49	1/25/2002		2.0	1.0	ug/L
Trichloroethylene	MW-49	4/26/2004		.4	.3	ug/L
Trichloroethylene	MW-49	6/27/2008		1.0	1.0	ug/L
Trichloroethylene	MW-49	8/04/2008		1.5	1.0	ug/L
Trichloroethylene	MW-49	4/02/2009		1.0	1.0	ug/L
Trichloroethylene	MW-49	10/21/2009		1.9	1.0	ug/L
Vinyl chloride	MW-49	3/28/2008		6.6	1.0	ug/L
Vinyl chloride	MW-49	6/27/2008		6.6	1.0	ug/L
Vinyl chloride	MW-49	8/04/2008		7.2	1.0	ug/L
Vinyl chloride	MW-49	10/03/2008		6.0	1.0	ug/L
Vinyl chloride	MW-49	12/08/2008		6.8	1.0	ug/L
Vinyl chloride	MW-49	4/02/2009		7.2	1.0	ug/L
Vinyl chloride	MW-49	10/21/2009		6.8	1.0	ug/L
Vinyl chloride	MW-49	4/20/2010		5.6	1.0	ug/L
Vinyl chloride	MW-49	10/08/2010		5.1	1.0	ug/L
Vinyl chloride	MW-49	4/05/2011		7.0	1.0	ug/L
Vinyl chloride	MW-49	10/06/2011		3.2	1.0	ug/L
Vinyl chloride	MW-49	4/10/2012		5.7	1.0	ug/L
Vinyl chloride	MW-49	10/09/2012		3.3	1.0	ug/L
Vinyl chloride	MW-49	4/04/2013		4.5	1.0	ug/L
Vinyl chloride	MW-49	10/16/2013		3.4	1.0	ug/L
Vinyl chloride	MW-49	4/10/2014		3.8	1.0	ug/L
Vinyl chloride	MW-49	10/16/2014		4.6	1.0	ug/L
Vinyl chloride	MW-49	4/06/2015		3.1	1.0	ug/L
Vinyl chloride	MW-49	10/01/2015		3.1	1.0	ug/L
Vinyl chloride	MW-49	4/14/2016		4.0	1.0	ug/L
Vinyl chloride	MW-49	10/13/2016		5.1	1.0	ug/L
Vinyl chloride	MW-49	4/10/2017		5.5	1.0	ug/L
Vinyl chloride	MW-49	10/09/2017		3.2	1.0	ug/L
Vinyl chloride	MW-49	4/17/2018		1.1	1.0	ug/L
Vinyl chloride	MW-49	10/22/2018		2.6	1.0	ug/L
Vinyl chloride	MW-49	4/22/2019		2.8	1.0	ug/L
Vinyl chloride	MW-49	10/23/2019		1.4	1.0	ug/L
Vinyl chloride	MW-49	4/10/2020		1.1	1.0	ug/L
Vinyl chloride	MW-49	10/19/2020		2.4	1.0	ug/L
1,1,1-trichloroethane	MW-54	10/23/1992		16.8	1.0	ug/L
1,1,1-trichloroethane	MW-54	1/21/1993		20.8	1.0	ug/L
1,1,1-trichloroethane	MW-54	4/22/1993		29.4	1.0	ug/L
1,1,1-trichloroethane	MW-54	7/13/1993		49.9	1.0	ug/L
1,1,1-trichloroethane	MW-54	7/26/1999		1.1	1.0	ug/L
1,1,1-trichloroethane	MW-54	10/04/1999		1.4	1.0	ug/L
1,1,1-trichloroethane	MW-54	1/06/2000		1.5	1.0	ug/L
1,1,1-trichloroethane	MW-54	4/13/2000		1.0	1.0	ug/L
1,1,1-trichloroethane	MW-54	7/05/2000		.9	.5	ug/L
1,1,1-trichloroethane	MW-54	9/11/2000		.8	.5	ug/L
1,1-dichloroethane	MW-54	3/28/2008		1.8	1.0	ug/L
1,1-dichloroethane	MW-54	6/25/2008		1.4	1.0	ug/L
1,1-dichloroethane	MW-54	8/04/2008		1.2	1.0	ug/L
1,1-dichloroethane	MW-54	12/08/2008		1.7	1.0	ug/L
1,1-dichloroethane	MW-54	4/02/2009		1.2	1.0	ug/L
1,1-dichloroethane	MW-54	10/21/2009		1.4	1.0	ug/L
1,1-dichloroethane	MW-54	4/20/2010		2.2	1.0	ug/L
1,1-dichloroethane	MW-54	10/08/2010		5.0	1.0	ug/L
1,1-dichloroethane	MW-54	4/05/2011		8.8	1.0	ug/L
1,1-dichloroethane	MW-54	10/06/2011		8.7	1.0	ug/L
1,1-dichloroethane	MW-54	4/10/2012		14.6	1.0	ug/L
1,1-dichloroethane	MW-54	10/09/2012		16.0	1.0	ug/L
1,1-dichloroethane	MW-54	4/04/2013		17.0	1.0	ug/L
1,1-dichloroethane	MW-54	10/16/2013		19.7	1.0	ug/L
1,1-dichloroethane	MW-54	4/10/2014		18.9	1.0	ug/L
1,1-dichloroethane	MW-54	10/16/2014		17.5	1.0	ug/L
1,1-dichloroethane	MW-54	4/06/2015		13.4	1.0	ug/L
1,1-dichloroethane	MW-54	10/01/2015		12.2	1.0	ug/L
1,1-dichloroethane	MW-54	4/14/2016		11.0	1.0	ug/L
1,1-dichloroethane	MW-54	10/13/2016		13.0	1.0	ug/L
1,1-dichloroethane	MW-54	4/10/2017		10.4	1.0	ug/L
1,1-dichloroethane	MW-54	10/09/2017		11.2	1.0	ug/L
1,1-dichloroethane	MW-54	4/17/2018		7.8	1.0	ug/L
1,1-dichloroethane	MW-54	10/22/2018		3.8	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-54	4/22/2019		4.7	1.0	ug/L
1,1-dichloroethane	MW-54	10/23/2019		2.9	1.0	ug/L
1,1-dichloroethane	MW-54	10/19/2020		1.9	1.0	ug/L
1,1-dichloroethane	MW-54	10/08/2021		1.2	1.0	ug/L
1,1-dichloroethane	MW-54	10/25/2022		1.1	1.0	ug/L
1,1-dichloroethylene	MW-54	10/18/2001		18.9	1.0	ug/L
1,4-dichlorobenzene	MW-54	3/28/2008		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-54	6/25/2008		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-54	8/04/2008		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-54	12/08/2008		1.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/02/2009		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/21/2009		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/20/2010		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/05/2011		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/06/2011		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/16/2013		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/10/2014		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/16/2014		2.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/06/2015		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/01/2015		2.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/14/2016		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/13/2016		2.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/10/2017		2.7	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/09/2017		3.5	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/17/2018		4.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/22/2019		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/23/2019		3.5	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/19/2020		3.8	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/05/2021		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/08/2021		2.8	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/06/2022		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/25/2022		3.1	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/11/2023		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/13/2023		4.1	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/17/2024		2.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/15/2024		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/14/2025		2.6	1.0	ug/L
Acetone	MW-54	10/09/2017		18.1	10.0	ug/L
Benzene	MW-54	7/26/1999		2.1	1.0	ug/L
Benzene	MW-54	10/04/1999		1.4	1.0	ug/L
Benzene	MW-54	1/06/2000		1.2	1.0	ug/L
Benzene	MW-54	4/13/2000		1.3	1.0	ug/L
Benzene	MW-54	7/05/2000		1.7	1.0	ug/L
Benzene	MW-54	9/11/2000		1.8	1.0	ug/L
Benzene	MW-54	4/27/2001		2.1	1.0	ug/L
Benzene	MW-54	7/23/2001		1.7	1.0	ug/L
Benzene	MW-54	10/05/2005		1.0	1.0	ug/L
Benzene	MW-54	4/05/2006		.6	.5	ug/L
Benzene	MW-54	10/16/2013		1.0	1.0	ug/L
Benzene	MW-54	10/16/2014		1.0	1.0	ug/L
Benzene	MW-54	10/13/2016		1.0	1.0	ug/L
Benzene	MW-54	10/09/2017		1.0	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-54	12/08/2008		16	8	ug/L
Chloroethane	MW-54	3/28/2008		9.7	1.0	ug/L
Chloroethane	MW-54	6/25/2008		7.4	1.0	ug/L
Chloroethane	MW-54	8/04/2008		6.0	1.0	ug/L
Chloroethane	MW-54	10/03/2008		5.0	1.0	ug/L
Chloroethane	MW-54	12/08/2008		5.1	1.0	ug/L
Chloroethane	MW-54	4/02/2009		5.1	1.0	ug/L
Chloroethane	MW-54	10/21/2009		8.2	1.0	ug/L
Chloroethane	MW-54	4/20/2010		5.6	1.0	ug/L
Chloroethane	MW-54	10/08/2010		7.8	1.0	ug/L
Chloroethane	MW-54	4/05/2011		13.0	1.0	ug/L
Chloroethane	MW-54	10/06/2011		11.5	1.0	ug/L
Chloroethane	MW-54	4/10/2012		14.3	1.0	ug/L
Chloroethane	MW-54	10/09/2012		15.6	1.0	ug/L
Chloroethane	MW-54	4/04/2013		15.9	1.0	ug/L
Chloroethane	MW-54	10/16/2013		12.0	1.0	ug/L
Chloroethane	MW-54	4/10/2014		17.3	1.0	ug/L
Chloroethane	MW-54	10/16/2014		20.6	1.0	ug/L
Chloroethane	MW-54	4/06/2015		14.1	1.0	ug/L
Chloroethane	MW-54	10/01/2015		13.6	1.0	ug/L
Chloroethane	MW-54	4/14/2016		5.8	1.0	ug/L
Chloroethane	MW-54	10/13/2016		13.7	1.0	ug/L
Chloroethane	MW-54	4/10/2017		10.5	1.0	ug/L
Chloroethane	MW-54	10/09/2017		11.4	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-54	4/17/2018		8.5	1.0	ug/L
Chloroethane	MW-54	10/22/2018		2.0	1.0	ug/L
Chloroethane	MW-54	4/22/2019		4.0	1.0	ug/L
Chloroethane	MW-54	10/23/2019		4.3	1.0	ug/L
Chloroethane	MW-54	4/10/2020		1.9	1.0	ug/L
Chloroethane	MW-54	10/19/2020		2.7	1.0	ug/L
Chloroethane	MW-54	10/25/2022		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	3/28/2008		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	6/25/2008		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	8/04/2008		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	12/08/2008		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/02/2009		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/21/2009		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/20/2010		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/08/2010		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/05/2011		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/06/2011		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/10/2012		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/09/2012		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/04/2013		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/16/2013		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/10/2014		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/16/2014		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/06/2015		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/01/2015		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/14/2016		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/13/2016		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/10/2017		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/09/2017		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/17/2018		1.2	1.0	ug/L
Toluene	MW-54	4/22/2019		1.3	1.0	ug/L
Trichloroethylene	MW-54	1/21/1993		1.0	1.0	ug/L
Trichloroethylene	MW-54	4/22/1993		2.2	1.0	ug/L
Trichloroethylene	MW-54	7/13/1993		4.9	1.0	ug/L
Trichloroethylene	MW-54	7/29/1999		7.0	1.0	ug/L
Trichloroethylene	MW-54	10/04/1999		6.0	1.0	ug/L
Trichloroethylene	MW-54	1/06/2000		6.3	1.0	ug/L
Trichloroethylene	MW-54	4/13/2000		5.1	1.0	ug/L
Trichloroethylene	MW-54	7/05/2000		5.7	1.0	ug/L
Trichloroethylene	MW-54	9/11/2000		6.5	1.0	ug/L
Trichloroethylene	MW-54	10/08/2000		5.0	1.0	ug/L
Trichloroethylene	MW-54	4/27/2001		5.9	1.0	ug/L
Trichloroethylene	MW-54	7/23/2001		6.3	1.0	ug/L
Trichloroethylene	MW-54	10/18/2001		4.8	1.0	ug/L
Trichloroethylene	MW-54	1/25/2002		5.6	1.0	ug/L
Trichloroethylene	MW-54	4/24/2002		5.7	1.0	ug/L
Trichloroethylene	MW-54	7/22/2002		5.3	1.0	ug/L
Trichloroethylene	MW-54	10/14/2002		5.0	1.0	ug/L
Trichloroethylene	MW-54	1/29/2003		5.2	1.0	ug/L
Trichloroethylene	MW-54	7/11/2003		4.3	1.0	ug/L
Trichloroethylene	MW-54	10/06/2003		4.3	1.0	ug/L
Trichloroethylene	MW-54	4/26/2004		4.4	1.0	ug/L
Trichloroethylene	MW-54	10/05/2004		5.5	1.0	ug/L
Trichloroethylene	MW-54	4/11/2005		3.9	1.0	ug/L
Trichloroethylene	MW-54	10/05/2005		4.0	1.0	ug/L
Trichloroethylene	MW-54	4/05/2006		3.4	1.0	ug/L
Trichloroethylene	MW-54	10/04/2006		2.7	1.0	ug/L
Trichloroethylene	MW-54	4/12/2007		2.3	1.0	ug/L
Trichloroethylene	MW-54	10/10/2007		2.1	1.0	ug/L
Trichloroethylene	MW-54	3/28/2008		1.2	1.0	ug/L
Trichloroethylene	MW-54	12/08/2008		1.4	1.0	ug/L
Vinyl chloride	MW-54	4/10/2012		1.1	1.0	ug/L
Vinyl chloride	MW-54	10/09/2012		1.0	1.0	ug/L
Vinyl chloride	MW-54	10/16/2014		1.0	1.0	ug/L
Vinyl chloride	MW-54	10/01/2015		1.0	1.0	ug/L
Vinyl chloride	MW-54	10/13/2016		2.0	1.0	ug/L
Vinyl chloride	MW-54	4/10/2017		1.8	1.0	ug/L
Vinyl chloride	MW-54	10/09/2017		1.6	1.0	ug/L
1,1-dichloroethane	MW-66	8/05/2008		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-66	8/05/2008		1.1	1.0	ug/L
1,1,1-trichloroethane	MW-81	7/13/1993		1.1	1.0	ug/L
1,1,1-trichloroethane	MW-81	1/25/1994		2.2	1.0	ug/L
1,1,1-trichloroethane	MW-81	4/14/1994		1.4	1.0	ug/L
1,1,1-trichloroethane	MW-81	7/08/1994		1.2	1.0	ug/L
1,1,1-trichloroethane	MW-81	10/20/1994		1.2	1.0	ug/L
1,1,1-trichloroethane	MW-81	4/21/1995		1.1	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1,1-trichloroethane	MW-81	7/07/1995		1.3	1.0	ug/L
1,1,1-trichloroethane	MW-81	7/17/1996		1.6	1.0	ug/L
1,1,1-trichloroethane	MW-81	10/08/1996		1.5	1.0	ug/L
1,1,1-trichloroethane	MW-81	1/21/1997		1.4	1.0	ug/L
1,1,1-trichloroethane	MW-81	4/11/1997		2.2	1.0	ug/L
1,1,1-trichloroethane	MW-81	10/09/1998		1.1	1.0	ug/L
1,1-dichloroethane	MW-81	3/28/2008		59.5	1.0	ug/L
1,1-dichloroethane	MW-81	6/20/2008		50.6	1.0	ug/L
1,1-dichloroethane	MW-81	8/04/2008		56.8	1.0	ug/L
1,1-dichloroethane	MW-81	10/03/2008		70.7	1.0	ug/L
1,1-dichloroethane	MW-81	12/08/2008		53.4	1.0	ug/L
1,1-dichloroethane	MW-81	4/01/2009		54.3	1.0	ug/L
1,1-dichloroethane	MW-81	10/21/2009		58.2	1.0	ug/L
1,1-dichloroethane	MW-81	4/20/2010		47.6	1.0	ug/L
1,1-dichloroethane	MW-81	10/08/2010		34.8	1.0	ug/L
1,1-dichloroethane	MW-81	4/05/2011		44.1	1.0	ug/L
1,1-dichloroethane	MW-81	10/06/2011		41.3	1.0	ug/L
1,1-dichloroethane	MW-81	4/10/2012		38.1	1.0	ug/L
1,1-dichloroethane	MW-81	10/09/2012		42.8	1.0	ug/L
1,1-dichloroethane	MW-81	4/04/2013		39.0	1.0	ug/L
1,1-dichloroethane	MW-81	10/16/2013		49.2	1.0	ug/L
1,1-dichloroethane	MW-81	4/10/2014		46.6	1.0	ug/L
1,1-dichloroethane	MW-81	10/16/2014		44.6	1.0	ug/L
1,1-dichloroethane	MW-81	4/03/2015		39.2	1.0	ug/L
1,1-dichloroethane	MW-81	10/01/2015		38.6	1.0	ug/L
1,1-dichloroethane	MW-81	4/14/2016		27.5	1.0	ug/L
1,1-dichloroethane	MW-81	10/13/2016		29.7	1.0	ug/L
1,1-dichloroethane	MW-81	4/10/2017		25.9	1.0	ug/L
1,1-dichloroethane	MW-81	10/09/2017		33.9	1.0	ug/L
1,1-dichloroethane	MW-81	4/17/2018		24.5	1.0	ug/L
1,1-dichloroethane	MW-81	10/22/2018		19.0	1.0	ug/L
1,1-dichloroethane	MW-81	4/22/2019		13.8	1.0	ug/L
1,1-dichloroethane	MW-81	10/23/2019		11.0	1.0	ug/L
1,1-dichloroethane	MW-81	4/10/2020		10.8	1.0	ug/L
1,1-dichloroethane	MW-81	10/19/2020		27.9	1.0	ug/L
1,1-dichloroethane	MW-81	4/05/2021		15.8	1.0	ug/L
1,1-dichloroethane	MW-81	10/08/2021		29.3	1.0	ug/L
1,1-dichloroethane	MW-81	4/06/2022		21.5	1.0	ug/L
1,1-dichloroethane	MW-81	10/25/2022		27.7	1.0	ug/L
1,1-dichloroethane	MW-81	4/11/2023		23.9	1.0	ug/L
1,1-dichloroethane	MW-81	10/13/2023		30.0	1.0	ug/L
1,1-dichloroethane	MW-81	4/16/2024		28.2	1.0	ug/L
1,1-dichloroethane	MW-81	10/15/2024		24.8	1.0	ug/L
1,1-dichloroethane	MW-81	4/14/2025		24.6	1.0	ug/L
1,1-dichloroethylene	MW-81	1/25/1994		3.6	1.0	ug/L
1,1-dichloroethylene	MW-81	7/07/1995		1.2	1.0	ug/L
1,2-dichlorobenzene	MW-81	4/22/2019		1.9	1.0	ug/L
1,2-dichlorobenzene	MW-81	10/23/2019		1.3	1.0	ug/L
1,2-dichlorobenzene	MW-81	4/10/2020		2.0	1.0	ug/L
1,2-dichlorobenzene	MW-81	10/19/2020		1.1	1.0	ug/L
1,2-dichloroethane	MW-81	7/08/1994		2.2	1.0	ug/L
1,2-dichloroethane	MW-81	10/20/1994		2.1	1.0	ug/L
1,2-dichloroethane	MW-81	1/04/1995		2.6	1.0	ug/L
1,2-dichloroethane	MW-81	4/21/1995		1.6	1.0	ug/L
1,2-dichloroethane	MW-81	7/07/1995		1.7	1.0	ug/L
1,2-dichloroethane	MW-81	10/12/1995		3.1	1.0	ug/L
1,2-dichloroethane	MW-81	7/17/1996		1.6	1.0	ug/L
1,2-dichloroethane	MW-81	10/08/1996		3.0	1.0	ug/L
1,2-dichloroethane	MW-81	1/21/1997		2.2	1.0	ug/L
1,2-dichloroethane	MW-81	10/04/1999		3.5	1.0	ug/L
1,2-dichloroethane	MW-81	1/06/2000		3.4	1.0	ug/L
1,2-dichloroethane	MW-81	4/13/2000		2.9	1.0	ug/L
1,2-dichloroethane	MW-81	7/05/2000		6.6	1.0	ug/L
1,2-dichloroethane	MW-81	10/08/2000		3.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/27/2001		2.6	1.0	ug/L
1,2-dichloroethane	MW-81	10/18/2001		3.3	1.0	ug/L
1,2-dichloroethane	MW-81	4/24/2002		4.2	1.0	ug/L
1,2-dichloroethane	MW-81	10/14/2002		3.5	1.0	ug/L
1,2-dichloroethane	MW-81	10/06/2003		3.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/26/2004		2.8	1.0	ug/L
1,2-dichloroethane	MW-81	4/05/2006		3.0	1.0	ug/L
1,2-dichloroethane	MW-81	10/04/2006		2.0	1.0	ug/L
1,2-dichloroethane	MW-81	4/12/2007		2.4	1.0	ug/L
1,2-dichloroethane	MW-81	10/10/2007		2.4	1.0	ug/L
1,2-dichloroethane	MW-81	3/28/2008		2.1	1.0	ug/L
1,2-dichloroethane	MW-81	6/20/2008		2.9	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,2-dichloroethane	MW-81	8/04/2008		2.7	1.0	ug/L
1,2-dichloroethane	MW-81	12/08/2008		2.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/01/2009		2.7	1.0	ug/L
1,2-dichloroethane	MW-81	10/21/2009		3.4	1.0	ug/L
1,2-dichloroethane	MW-81	4/20/2010		3.6	1.0	ug/L
1,2-dichloroethane	MW-81	4/05/2011		3.2	1.0	ug/L
1,2-dichloroethane	MW-81	10/06/2011		4.5	1.0	ug/L
1,2-dichloroethane	MW-81	4/10/2012		3.7	1.0	ug/L
1,2-dichloroethane	MW-81	10/09/2012		6.5	1.0	ug/L
1,2-dichloroethane	MW-81	4/04/2013		5.4	1.0	ug/L
1,2-dichloroethane	MW-81	10/16/2013		10.8	1.0	ug/L
1,2-dichloroethane	MW-81	4/10/2014		11.3	1.0	ug/L
1,2-dichloroethane	MW-81	10/16/2014		7.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/03/2015		6.5	1.0	ug/L
1,2-dichloroethane	MW-81	10/01/2015		8.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/14/2016		4.7	1.0	ug/L
1,2-dichloroethane	MW-81	10/13/2016		6.4	1.0	ug/L
1,2-dichloroethane	MW-81	4/10/2017		4.2	1.0	ug/L
1,2-dichloroethane	MW-81	10/09/2017		9.9	1.0	ug/L
1,2-dichloroethane	MW-81	4/17/2018		5.8	1.0	ug/L
1,2-dichloroethane	MW-81	10/22/2018		2.9	1.0	ug/L
1,2-dichloroethane	MW-81	4/22/2019		2.1	1.0	ug/L
1,2-dichloroethane	MW-81	4/10/2020		2.4	1.0	ug/L
1,2-dichloroethane	MW-81	10/19/2020		7.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/05/2021		3.9	1.0	ug/L
1,2-dichloroethane	MW-81	10/08/2021		9.8	1.0	ug/L
1,2-dichloroethane	MW-81	4/06/2022		5.7	1.0	ug/L
1,2-dichloroethane	MW-81	10/25/2022		12.8	1.0	ug/L
1,2-dichloroethane	MW-81	4/11/2023		6.9	1.0	ug/L
1,2-dichloroethane	MW-81	10/13/2023		15.6	1.0	ug/L
1,2-dichloroethane	MW-81	4/16/2024		12.3	1.0	ug/L
1,2-dichloroethane	MW-81	10/15/2024		11.2	1.0	ug/L
1,2-dichloroethane	MW-81	4/14/2025		10.0	1.0	ug/L
1,2-dichloropropane	MW-81	3/28/2008		12.2	1.0	ug/L
1,2-dichloropropane	MW-81	6/20/2008		5.1	1.0	ug/L
1,2-dichloropropane	MW-81	8/04/2008		9.1	1.0	ug/L
1,2-dichloropropane	MW-81	12/08/2008		12.0	1.0	ug/L
1,2-dichloropropane	MW-81	4/01/2009		17.3	1.0	ug/L
1,2-dichloropropane	MW-81	10/21/2009		10.0	1.0	ug/L
1,2-dichloropropane	MW-81	4/20/2010		7.0	1.0	ug/L
1,2-dichloropropane	MW-81	10/08/2010		5.9	1.0	ug/L
1,2-dichloropropane	MW-81	4/05/2011		14.7	1.0	ug/L
1,2-dichloropropane	MW-81	10/06/2011		16.7	1.0	ug/L
1,2-dichloropropane	MW-81	4/10/2012		12.6	1.0	ug/L
1,2-dichloropropane	MW-81	10/09/2012		17.5	1.0	ug/L
1,2-dichloropropane	MW-81	4/04/2013		16.7	1.0	ug/L
1,2-dichloropropane	MW-81	10/16/2013		22.7	1.0	ug/L
1,2-dichloropropane	MW-81	4/10/2014		18.1	1.0	ug/L
1,2-dichloropropane	MW-81	10/16/2014		19.6	1.0	ug/L
1,2-dichloropropane	MW-81	4/03/2015		16.1	1.0	ug/L
1,2-dichloropropane	MW-81	10/01/2015		15.8	1.0	ug/L
1,2-dichloropropane	MW-81	4/14/2016		11.1	1.0	ug/L
1,2-dichloropropane	MW-81	10/13/2016		10.6	1.0	ug/L
1,2-dichloropropane	MW-81	4/10/2017		9.1	1.0	ug/L
1,2-dichloropropane	MW-81	10/09/2017		12.6	1.0	ug/L
1,2-dichloropropane	MW-81	4/17/2018		8.6	1.0	ug/L
1,2-dichloropropane	MW-81	10/22/2018		4.9	1.0	ug/L
1,2-dichloropropane	MW-81	4/22/2019		1.9	1.0	ug/L
1,2-dichloropropane	MW-81	10/23/2019		1.5	1.0	ug/L
1,2-dichloropropane	MW-81	4/10/2020		1.1	1.0	ug/L
1,2-dichloropropane	MW-81	10/19/2020		7.9	1.0	ug/L
1,2-dichloropropane	MW-81	4/05/2021		4.0	1.0	ug/L
1,2-dichloropropane	MW-81	10/08/2021		9.3	1.0	ug/L
1,2-dichloropropane	MW-81	4/06/2022		2.6	1.0	ug/L
1,2-dichloropropane	MW-81	10/25/2022		8.1	1.0	ug/L
1,2-dichloropropane	MW-81	4/11/2023		3.5	1.0	ug/L
1,2-dichloropropane	MW-81	10/13/2023		8.4	1.0	ug/L
1,2-dichloropropane	MW-81	4/16/2024		6.5	1.0	ug/L
1,2-dichloropropane	MW-81	10/15/2024		6.9	1.0	ug/L
1,2-dichloropropane	MW-81	4/14/2025		2.8	1.0	ug/L
1,4-dichlorobenzene	MW-81	1/06/2000		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/13/2000		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-81	7/05/2000		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-81	6/20/2008		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-81	8/04/2008		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-81	12/08/2008		2.0	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,4-dichlorobenzene	MW-81	4/01/2009		1.3	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/21/2009		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/20/2010		3.5	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/08/2010		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/05/2011		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/06/2011		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/10/2012		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/09/2012		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/04/2013		2.3	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/16/2013		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/10/2014		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/16/2014		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/03/2015		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/01/2015		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/14/2016		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/13/2016		3.2	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/10/2017		2.8	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/09/2017		3.4	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/17/2018		4.2	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/22/2019		8.0	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/23/2019		7.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/19/2020		6.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/05/2021		5.2	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/08/2021		5.0	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/06/2022		4.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/25/2022		5.8	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/11/2023		4.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/13/2023		5.7	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/16/2024		4.7	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/15/2024		5.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/14/2025		5.6	1.0	ug/L
Acetone	MW-81	3/28/2008		31.0	10.0	ug/L
Acetone	MW-81	10/21/2009		61.2	10.0	ug/L
Acetone	MW-81	10/22/2018		26.7	10.0	ug/L
Benzene	MW-81	7/13/1993		4.8	1.0	ug/L
Benzene	MW-81	1/25/1994		21.4	10.0	ug/L
Benzene	MW-81	4/14/1994		8.0	1.0	ug/L
Benzene	MW-81	7/08/1994		8.9	1.0	ug/L
Benzene	MW-81	10/20/1994		6.3	1.0	ug/L
Benzene	MW-81	1/04/1995		2.2	1.0	ug/L
Benzene	MW-81	10/08/1996		1.0	1.0	ug/L
Benzene	MW-81	4/19/1999		1.1	1.0	ug/L
Benzene	MW-81	10/04/1999		1.0	1.0	ug/L
Benzene	MW-81	1/06/2000		1.1	1.0	ug/L
Benzene	MW-81	7/05/2000		1.1	1.0	ug/L
Benzene	MW-81	4/24/2002		1.0	1.0	ug/L
Benzene	MW-81	4/22/2003		1.0	1.0	ug/L
Benzene	MW-81	3/28/2008		2.2	1.0	ug/L
Benzene	MW-81	6/20/2008		4.2	1.0	ug/L
Benzene	MW-81	8/04/2008		3.4	1.0	ug/L
Benzene	MW-81	12/08/2008		3.0	1.0	ug/L
Benzene	MW-81	4/01/2009		2.2	1.0	ug/L
Benzene	MW-81	10/21/2009		3.6	1.0	ug/L
Benzene	MW-81	4/20/2010		4.0	1.0	ug/L
Benzene	MW-81	10/08/2010		3.6	1.0	ug/L
Benzene	MW-81	4/05/2011		2.2	1.0	ug/L
Benzene	MW-81	10/06/2011		2.0	1.0	ug/L
Benzene	MW-81	4/10/2012		2.3	1.0	ug/L
Benzene	MW-81	10/09/2012		1.2	1.0	ug/L
Benzene	MW-81	4/04/2013		1.1	1.0	ug/L
Benzene	MW-81	10/16/2013		1.2	1.0	ug/L
Benzene	MW-81	10/13/2016		1.3	1.0	ug/L
Benzene	MW-81	4/10/2017		1.5	1.0	ug/L
Benzene	MW-81	10/09/2017		1.1	1.0	ug/L
Benzene	MW-81	4/17/2018		1.0	1.0	ug/L
Benzene	MW-81	4/22/2019		2.9	1.0	ug/L
Benzene	MW-81	10/23/2019		2.7	1.0	ug/L
Benzene	MW-81	4/10/2020		2.9	1.0	ug/L
Benzene	MW-81	10/19/2020		1.5	1.0	ug/L
Benzene	MW-81	4/05/2021		1.1	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-81	4/03/2015		36	10	ug/L
Chlorobenzene	MW-81	10/13/2016		1.1	1.0	ug/L
Chlorobenzene	MW-81	4/10/2017		1.0	1.0	ug/L
Chlorobenzene	MW-81	10/09/2017		1.1	1.0	ug/L
Chlorobenzene	MW-81	4/17/2018		1.1	1.0	ug/L
Chlorobenzene	MW-81	4/22/2019		1.4	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chlorobenzene	MW-81	10/23/2019		1.4	1.0	ug/L
Chlorobenzene	MW-81	4/10/2020		1.3	1.0	ug/L
Chlorobenzene	MW-81	10/19/2020		1.5	1.0	ug/L
Chlorobenzene	MW-81	4/05/2021		1.2	1.0	ug/L
Chlorobenzene	MW-81	10/08/2021		1.3	1.0	ug/L
Chlorobenzene	MW-81	4/06/2022		1.2	1.0	ug/L
Chlorobenzene	MW-81	10/25/2022		1.7	1.0	ug/L
Chlorobenzene	MW-81	4/11/2023		1.4	1.0	ug/L
Chlorobenzene	MW-81	10/13/2023		1.9	1.0	ug/L
Chlorobenzene	MW-81	4/16/2024		1.7	1.0	ug/L
Chlorobenzene	MW-81	10/15/2024		1.8	1.0	ug/L
Chlorobenzene	MW-81	4/14/2025		1.8	1.0	ug/L
Chloroethane	MW-81	3/28/2008		13.4	1.0	ug/L
Chloroethane	MW-81	6/20/2008		13.9	1.0	ug/L
Chloroethane	MW-81	8/04/2008		13.4	1.0	ug/L
Chloroethane	MW-81	10/03/2008		14.2	1.0	ug/L
Chloroethane	MW-81	12/08/2008		15.0	1.0	ug/L
Chloroethane	MW-81	4/01/2009		14.0	1.0	ug/L
Chloroethane	MW-81	10/21/2009		18.1	1.0	ug/L
Chloroethane	MW-81	4/20/2010		14.4	1.0	ug/L
Chloroethane	MW-81	10/08/2010		12.9	1.0	ug/L
Chloroethane	MW-81	4/05/2011		14.0	1.0	ug/L
Chloroethane	MW-81	10/06/2011		13.2	1.0	ug/L
Chloroethane	MW-81	4/10/2012		12.2	1.0	ug/L
Chloroethane	MW-81	10/09/2012		11.5	1.0	ug/L
Chloroethane	MW-81	4/04/2013		10.2	1.0	ug/L
Chloroethane	MW-81	10/16/2013		12.5	1.0	ug/L
Chloroethane	MW-81	4/10/2014		13.4	1.0	ug/L
Chloroethane	MW-81	10/16/2014		13.3	1.0	ug/L
Chloroethane	MW-81	4/03/2015		13.7	1.0	ug/L
Chloroethane	MW-81	10/01/2015		8.6	1.0	ug/L
Chloroethane	MW-81	4/14/2016		7.5	1.0	ug/L
Chloroethane	MW-81	10/13/2016		11.5	1.0	ug/L
Chloroethane	MW-81	4/10/2017		9.8	1.0	ug/L
Chloroethane	MW-81	10/09/2017		8.7	1.0	ug/L
Chloroethane	MW-81	4/17/2018		7.1	1.0	ug/L
Chloroethane	MW-81	10/22/2018		5.2	1.0	ug/L
Chloroethane	MW-81	4/22/2019		6.0	1.0	ug/L
Chloroethane	MW-81	10/23/2019		7.8	1.0	ug/L
Chloroethane	MW-81	4/10/2020		6.0	1.0	ug/L
Chloroethane	MW-81	10/19/2020		9.2	1.0	ug/L
Chloroethane	MW-81	4/05/2021		5.6	1.0	ug/L
Chloroethane	MW-81	10/08/2021		5.7	1.0	ug/L
Chloroethane	MW-81	4/06/2022		5.0	1.0	ug/L
Chloroethane	MW-81	10/25/2022		7.2	1.0	ug/L
Chloroethane	MW-81	4/11/2023		5.4	1.0	ug/L
Chloroethane	MW-81	10/13/2023		6.5	1.0	ug/L
Chloroethane	MW-81	4/16/2024		6.8	1.0	ug/L
Chloroethane	MW-81	10/15/2024		6.0	1.0	ug/L
Chloroethane	MW-81	4/14/2025		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-81	3/28/2008		133	1	ug/L
Cis-1,2-dichloroethylene	MW-81	6/20/2008		209	1	ug/L
Cis-1,2-dichloroethylene	MW-81	8/04/2008		190	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/03/2008		206	1	ug/L
Cis-1,2-dichloroethylene	MW-81	12/08/2008		218	1	ug/L
Cis-1,2-dichloroethylene	MW-81	12/08/2008		188	5	ug/L
Cis-1,2-dichloroethylene	MW-81	4/01/2009		223	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/01/2009		215	5	ug/L
Cis-1,2-dichloroethylene	MW-81	10/21/2009		220	5	ug/L
Cis-1,2-dichloroethylene	MW-81	10/21/2009		228	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/20/2010		245	5	ug/L
Cis-1,2-dichloroethylene	MW-81	10/08/2010		295	5	ug/L
Cis-1,2-dichloroethylene	MW-81	4/05/2011		305	5	ug/L
Cis-1,2-dichloroethylene	MW-81	10/06/2011		250	5	ug/L
Cis-1,2-dichloroethylene	MW-81	4/10/2012		267	5	ug/L
Cis-1,2-dichloroethylene	MW-81	10/09/2012		295	5	ug/L
Cis-1,2-dichloroethylene	MW-81	4/04/2013		238	5	ug/L
Cis-1,2-dichloroethylene	MW-81	10/16/2013		268	5	ug/L
Cis-1,2-dichloroethylene	MW-81	4/10/2014		226	10	ug/L
Cis-1,2-dichloroethylene	MW-81	10/16/2014		288	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/03/2015		252	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/01/2015		201	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/14/2016		247	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/13/2016		243	10	ug/L
Cis-1,2-dichloroethylene	MW-81	4/10/2017		205	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/09/2017		188	5	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-81	4/17/2018		195	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/22/2018		101	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/22/2019		84	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/23/2019		127	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/10/2020		83	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/19/2020		210	10	ug/L
Cis-1,2-dichloroethylene	MW-81	4/05/2021		148	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/08/2021		188	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/06/2022		192	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/25/2022		225	10	ug/L
Cis-1,2-dichloroethylene	MW-81	4/11/2023		140	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/13/2023		181	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/16/2024		164	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/15/2024		127	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/14/2025		130	1	ug/L
Tetrachloroethylene	MW-81	3/28/2008		3.6	1.0	ug/L
Tetrachloroethylene	MW-81	8/04/2008		1.1	1.0	ug/L
Tetrachloroethylene	MW-81	12/08/2008		1.3	1.0	ug/L
Tetrachloroethylene	MW-81	4/01/2009		6.7	1.0	ug/L
Tetrachloroethylene	MW-81	4/05/2011		1.7	1.0	ug/L
Tetrachloroethylene	MW-81	10/06/2011		2.0	1.0	ug/L
Tetrachloroethylene	MW-81	10/09/2012		1.6	1.0	ug/L
Tetrachloroethylene	MW-81	4/04/2013		1.0	1.0	ug/L
Tetrachloroethylene	MW-81	10/16/2013		4.0	1.0	ug/L
Toluene	MW-81	6/20/2008		2.2	1.0	ug/L
Toluene	MW-81	8/04/2008		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	3/28/2008		2.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	6/20/2008		3.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	8/04/2008		3.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/03/2008		2.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	12/08/2008		3.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/01/2009		2.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/21/2009		4.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/20/2010		4.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/08/2010		3.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/05/2011		3.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/06/2011		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/10/2012		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/09/2012		2.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/04/2013		3.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/16/2013		3.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/10/2014		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/16/2014		2.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/03/2015		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/01/2015		2.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/14/2016		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/13/2016		3.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/10/2017		3.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/09/2017		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/17/2018		2.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/22/2019		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/23/2019		2.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/10/2020		2.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/19/2020		4.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/05/2021		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/08/2021		1.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/25/2022		2.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/11/2023		2.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/13/2023		2.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/16/2024		2.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/15/2024		2.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/14/2025		2.3	1.0	ug/L
Trichloroethylene	MW-81	4/22/1993		2.8	1.0	ug/L
Trichloroethylene	MW-81	7/13/1993		14.6	1.0	ug/L
Trichloroethylene	MW-81	1/25/1994		61.2	1.0	ug/L
Trichloroethylene	MW-81	4/14/1994		30.0	1.0	ug/L
Trichloroethylene	MW-81	7/08/1994		39.8	1.0	ug/L
Trichloroethylene	MW-81	10/20/1994		48.7	1.0	ug/L
Trichloroethylene	MW-81	1/04/1995		59.2	1.0	ug/L
Trichloroethylene	MW-81	4/21/1995		41.2	1.0	ug/L
Trichloroethylene	MW-81	7/07/1995		50.1	1.0	ug/L
Trichloroethylene	MW-81	10/12/1995		64.4	1.0	ug/L
Trichloroethylene	MW-81	1/10/1996		59.7	1.0	ug/L
Trichloroethylene	MW-81	4/15/1996		61.1	1.0	ug/L
Trichloroethylene	MW-81	7/17/1996		34.6	1.0	ug/L
Trichloroethylene	MW-81	10/08/1996		46.0	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trichloroethylene	MW-81	1/21/1997		38.8	1.0	ug/L
Trichloroethylene	MW-81	4/11/1997		42.4	1.0	ug/L
Trichloroethylene	MW-81	7/17/1997		42.9	1.0	ug/L
Trichloroethylene	MW-81	10/15/1997		45.5	1.0	ug/L
Trichloroethylene	MW-81	1/27/1998		44.1	1.0	ug/L
Trichloroethylene	MW-81	4/21/1998		36.7	1.0	ug/L
Trichloroethylene	MW-81	7/21/1998		33.5	1.0	ug/L
Trichloroethylene	MW-81	10/09/1998		35.8	1.0	ug/L
Trichloroethylene	MW-81	1/26/1999		41.2	1.0	ug/L
Trichloroethylene	MW-81	4/19/1999		35.4	1.0	ug/L
Trichloroethylene	MW-81	7/29/1999		33.0	1.0	ug/L
Trichloroethylene	MW-81	10/04/1999		52.8	1.0	ug/L
Trichloroethylene	MW-81	1/06/2000		72.2	1.0	ug/L
Trichloroethylene	MW-81	4/13/2000		57.8	1.0	ug/L
Trichloroethylene	MW-81	7/05/2000		100.0	1.0	ug/L
Trichloroethylene	MW-81	10/08/2000		55.9	1.0	ug/L
Trichloroethylene	MW-81	4/27/2001		57.8	1.0	ug/L
Trichloroethylene	MW-81	10/18/2001		61.9	1.0	ug/L
Trichloroethylene	MW-81	4/24/2002		71.3	1.0	ug/L
Trichloroethylene	MW-81	10/14/2002		41.2	1.0	ug/L
Trichloroethylene	MW-81	4/22/2003		49.9	1.0	ug/L
Trichloroethylene	MW-81	10/06/2003		38.4	1.0	ug/L
Trichloroethylene	MW-81	4/26/2004		39.4	1.0	ug/L
Trichloroethylene	MW-81	4/11/2005		44.5	1.0	ug/L
Trichloroethylene	MW-81	10/05/2005		20.2	1.0	ug/L
Trichloroethylene	MW-81	4/05/2006		32.5	1.0	ug/L
Trichloroethylene	MW-81	10/04/2006		21.1	1.0	ug/L
Trichloroethylene	MW-81	4/12/2007		16.2	1.0	ug/L
Trichloroethylene	MW-81	10/10/2007		37.2	1.0	ug/L
Trichloroethylene	MW-81	3/28/2008		21.3	1.0	ug/L
Trichloroethylene	MW-81	6/20/2008		22.0	1.0	ug/L
Trichloroethylene	MW-81	8/04/2008		15.8	1.0	ug/L
Trichloroethylene	MW-81	10/03/2008		17.8	1.0	ug/L
Trichloroethylene	MW-81	12/08/2008		12.0	1.0	ug/L
Trichloroethylene	MW-81	4/01/2009		36.2	1.0	ug/L
Trichloroethylene	MW-81	10/21/2009		10.2	1.0	ug/L
Trichloroethylene	MW-81	4/20/2010		6.4	1.0	ug/L
Trichloroethylene	MW-81	10/08/2010		5.2	1.0	ug/L
Trichloroethylene	MW-81	4/05/2011		21.2	1.0	ug/L
Trichloroethylene	MW-81	10/06/2011		12.5	1.0	ug/L
Trichloroethylene	MW-81	4/10/2012		10.1	1.0	ug/L
Trichloroethylene	MW-81	10/09/2012		12.2	1.0	ug/L
Trichloroethylene	MW-81	4/04/2013		11.9	1.0	ug/L
Trichloroethylene	MW-81	10/16/2013		18.3	1.0	ug/L
Trichloroethylene	MW-81	4/10/2014		7.1	1.0	ug/L
Trichloroethylene	MW-81	10/16/2014		10.0	1.0	ug/L
Trichloroethylene	MW-81	4/03/2015		6.7	1.0	ug/L
Trichloroethylene	MW-81	10/01/2015		12.2	1.0	ug/L
Trichloroethylene	MW-81	4/14/2016		4.7	1.0	ug/L
Trichloroethylene	MW-81	10/13/2016		2.1	1.0	ug/L
Trichloroethylene	MW-81	4/10/2017		5.4	1.0	ug/L
Trichloroethylene	MW-81	10/09/2017		9.4	1.0	ug/L
Trichloroethylene	MW-81	4/17/2018		4.3	1.0	ug/L
Trichloroethylene	MW-81	10/19/2020		3.0	1.0	ug/L
Trichloroethylene	MW-81	4/05/2021		2.0	1.0	ug/L
Trichloroethylene	MW-81	10/08/2021		2.3	1.0	ug/L
Trichloroethylene	MW-81	4/06/2022		1.0	1.0	ug/L
Trichloroethylene	MW-81	10/25/2022		2.9	1.0	ug/L
Trichloroethylene	MW-81	4/11/2023		2.6	1.0	ug/L
Trichloroethylene	MW-81	10/13/2023		3.3	1.0	ug/L
Trichloroethylene	MW-81	4/16/2024		1.4	1.0	ug/L
Trichloroethylene	MW-81	10/15/2024		2.2	1.0	ug/L
Vinyl chloride	MW-81	3/28/2008		7.6	1.0	ug/L
Vinyl chloride	MW-81	6/20/2008		15.7	1.0	ug/L
Vinyl chloride	MW-81	8/04/2008		12.4	1.0	ug/L
Vinyl chloride	MW-81	10/03/2008		7.5	1.0	ug/L
Vinyl chloride	MW-81	12/08/2008		13.2	1.0	ug/L
Vinyl chloride	MW-81	4/01/2009		8.3	1.0	ug/L
Vinyl chloride	MW-81	10/21/2009		26.8	1.0	ug/L
Vinyl chloride	MW-81	4/20/2010		22.9	1.0	ug/L
Vinyl chloride	MW-81	10/08/2010		21.1	1.0	ug/L
Vinyl chloride	MW-81	4/05/2011		13.8	1.0	ug/L
Vinyl chloride	MW-81	10/06/2011		9.3	1.0	ug/L
Vinyl chloride	MW-81	4/10/2012		12.4	1.0	ug/L
Vinyl chloride	MW-81	10/09/2012		8.4	1.0	ug/L
Vinyl chloride	MW-81	4/04/2013		7.8	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Vinyl chloride	MW-81	10/16/2013		9.4	1.0	ug/L
Vinyl chloride	MW-81	4/10/2014		11.0	1.0	ug/L
Vinyl chloride	MW-81	10/16/2014		9.7	1.0	ug/L
Vinyl chloride	MW-81	4/03/2015		12.9	1.0	ug/L
Vinyl chloride	MW-81	10/01/2015		8.8	1.0	ug/L
Vinyl chloride	MW-81	4/14/2016		15.8	1.0	ug/L
Vinyl chloride	MW-81	10/13/2016		20.1	1.0	ug/L
Vinyl chloride	MW-81	4/10/2017		16.5	1.0	ug/L
Vinyl chloride	MW-81	10/09/2017		13.2	1.0	ug/L
Vinyl chloride	MW-81	4/17/2018		13.6	1.0	ug/L
Vinyl chloride	MW-81	10/22/2018		26.6	1.0	ug/L
Vinyl chloride	MW-81	4/22/2019		15.5	1.0	ug/L
Vinyl chloride	MW-81	10/23/2019		24.2	1.0	ug/L
Vinyl chloride	MW-81	4/10/2020		13.9	1.0	ug/L
Vinyl chloride	MW-81	10/19/2020		15.4	1.0	ug/L
Vinyl chloride	MW-81	4/05/2021		11.3	1.0	ug/L
Vinyl chloride	MW-81	10/08/2021		7.2	1.0	ug/L
Vinyl chloride	MW-81	4/06/2022		7.0	1.0	ug/L
Vinyl chloride	MW-81	10/25/2022		8.4	1.0	ug/L
Vinyl chloride	MW-81	4/11/2023		7.7	1.0	ug/L
Vinyl chloride	MW-81	10/13/2023		6.7	1.0	ug/L
Vinyl chloride	MW-81	4/16/2024		6.8	1.0	ug/L
Vinyl chloride	MW-81	10/15/2024		6.5	1.0	ug/L
Vinyl chloride	MW-81	4/14/2025		6.8	1.0	ug/L
Acetone	MW-85	10/09/2017		15.4	10.0	ug/L
Acetone	MW-87	10/09/2017		18.4	10.0	ug/L
Benzene	MW-87	7/17/1997		1.3	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-87	12/08/2008		28	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-87	4/10/2014		13	10	ug/L
1,1-dichloroethane	MW-89	10/09/2012		4	1	ug/L
Acetone	MW-89	10/09/2017		18.2	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-89	12/10/2008		60	11	ug/L
Bis(2-ethylhexyl) phthalate	MW-89	10/16/2013		9	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-89	4/10/2014		18	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-89	4/14/2016		19	13	ug/L
1,1,1-trichloroethane	MW-91	9/11/2000		1.1	1.0	ug/L
1,1,1-trichloroethane	MW-91	10/08/2000		1.0	1.0	ug/L
1,1-dichloroethane	MW-91	3/28/2008		5.5	1.0	ug/L
1,1-dichloroethane	MW-91	6/20/2008		4.4	1.0	ug/L
1,1-dichloroethane	MW-91	8/05/2008		6.5	1.0	ug/L
1,1-dichloroethane	MW-91	10/03/2008		9.3	1.0	ug/L
1,1-dichloroethane	MW-91	12/10/2008		6.8	1.0	ug/L
1,1-dichloroethane	MW-91	4/02/2009		5.3	1.0	ug/L
1,1-dichloroethane	MW-91	10/21/2009		2.5	1.0	ug/L
1,1-dichloroethane	MW-91	4/20/2010		4.4	1.0	ug/L
1,1-dichloroethane	MW-91	10/08/2010		4.3	1.0	ug/L
1,1-dichloroethane	MW-91	4/05/2011		4.5	1.0	ug/L
1,1-dichloroethane	MW-91	10/06/2011		3.9	1.0	ug/L
1,1-dichloroethane	MW-91	4/10/2012		3.9	1.0	ug/L
1,1-dichloroethane	MW-91	4/04/2013		1.0	1.0	ug/L
1,1-dichloroethane	MW-91	10/16/2013		3.4	1.0	ug/L
1,1-dichloroethane	MW-91	4/10/2014		1.8	1.0	ug/L
1,1-dichloroethane	MW-91	10/16/2014		2.4	1.0	ug/L
1,1-dichloroethane	MW-91	4/03/2015		6.1	1.0	ug/L
1,1-dichloroethane	MW-91	10/01/2015		3.6	1.0	ug/L
1,1-dichloroethane	MW-91	10/09/2017		2.5	1.0	ug/L
1,1-dichloroethane	MW-91	1/09/2018		1.7	1.0	ug/L
1,1-dichloroethane	MW-91	4/22/2019		2.7	1.0	ug/L
1,1-dichloroethane	MW-91	10/19/2020		1.5	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-91	8/05/2008		8	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-91	12/10/2008		9	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-91	10/08/2010		15	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-91	10/16/2013		142	84	ug/L
Carbon disulfide	MW-91	4/06/2022		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-91	6/20/2008		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-91	8/05/2008		3.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-91	4/20/2010		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-91	10/06/2011		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-91	4/03/2015		1.5	1.0	ug/L
Tetrachloroethylene	MW-91	12/10/2008		1.1	1.0	ug/L
Trichloroethylene	MW-91	9/11/2000		1.0	1.0	ug/L
Trichloroethylene	MW-91	1/25/2002		1.1	1.0	ug/L
Trichloroethylene	MW-91	4/24/2002		1.0	1.0	ug/L
Trichloroethylene	MW-91	10/14/2002		1.2	1.0	ug/L
Trichloroethylene	MW-91	10/05/2004		1.2	1.0	ug/L
Trichloroethylene	MW-91	4/11/2005		.3	.3	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
Trichloroethylene	MW-91	10/05/2005		1.9	1.0	ug/L
1,1-dichloroethane	MW-94	1/14/2011		40.0	1.0	ug/L
1,1-dichloroethane	MW-94	4/05/2011		41.9	1.0	ug/L
1,1-dichloroethane	MW-94	6/18/2011		33.4	1.0	ug/L
1,1-dichloroethane	MW-94	8/11/2011		30.9	1.0	ug/L
1,1-dichloroethane	MW-94	10/06/2011		43.5	1.0	ug/L
1,1-dichloroethane	MW-94	4/10/2012		36.2	1.0	ug/L
1,1-dichloroethane	MW-94	10/09/2012		36.0	1.0	ug/L
1,1-dichloroethane	MW-94	4/04/2013		23.3	1.0	ug/L
1,1-dichloroethane	MW-94	10/16/2013		24.3	1.0	ug/L
1,1-dichloroethane	MW-94	4/10/2014		21.1	1.0	ug/L
1,1-dichloroethane	MW-94	10/16/2014		16.1	1.0	ug/L
1,1-dichloroethane	MW-94	4/03/2015		11.3	1.0	ug/L
1,1-dichloroethane	MW-94	10/01/2015		8.2	1.0	ug/L
1,1-dichloroethane	MW-94	4/14/2016		8.6	1.0	ug/L
1,1-dichloroethane	MW-94	10/13/2016		9.8	1.0	ug/L
1,1-dichloroethane	MW-94	4/10/2017		7.7	1.0	ug/L
1,1-dichloroethane	MW-94	10/09/2017		8.3	1.0	ug/L
1,1-dichloroethane	MW-94	4/17/2018		5.7	1.0	ug/L
1,1-dichloroethane	MW-94	10/22/2018		6.0	1.0	ug/L
1,1-dichloroethane	MW-94	4/22/2019		5.4	1.0	ug/L
1,1-dichloroethane	MW-94	10/23/2019		4.3	1.0	ug/L
1,1-dichloroethane	MW-94	4/10/2020		3.5	1.0	ug/L
1,1-dichloroethane	MW-94	10/19/2020		3.8	1.0	ug/L
1,1-dichloroethane	MW-94	4/05/2021		1.8	1.0	ug/L
1,1-dichloroethane	MW-94	10/08/2021		2.6	1.0	ug/L
1,1-dichloroethane	MW-94	4/06/2022		1.9	1.0	ug/L
1,1-dichloroethane	MW-94	10/25/2022		2.4	1.0	ug/L
1,1-dichloroethane	MW-94	4/11/2023		1.6	1.0	ug/L
1,1-dichloroethane	MW-94	10/13/2023		2.4	1.0	ug/L
1,1-dichloroethane	MW-94	4/17/2024		1.3	1.0	ug/L
1,1-dichloroethane	MW-94	10/15/2024		1.0	1.0	ug/L
1,1-dichloroethane	MW-94	4/14/2025		1.1	1.0	ug/L
1,2-dichloroethane	MW-94	10/01/2015		1.1	1.0	ug/L
1,2-dichloroethane	MW-94	10/13/2016		1.9	1.0	ug/L
1,2-dichloroethane	MW-94	4/10/2017		1.4	1.0	ug/L
1,2-dichloroethane	MW-94	10/09/2017		1.5	1.0	ug/L
1,2-dichloroethane	MW-94	4/17/2018		1.3	1.0	ug/L
1,2-dichloropropane	MW-94	1/14/2011		3.7	1.0	ug/L
1,2-dichloropropane	MW-94	10/06/2011		3.0	1.0	ug/L
1,2-dichloropropane	MW-94	4/10/2012		4.0	1.0	ug/L
1,2-dichloropropane	MW-94	4/04/2013		4.4	1.0	ug/L
1,2-dichloropropane	MW-94	10/16/2013		3.8	1.0	ug/L
1,2-dichloropropane	MW-94	10/16/2014		3.8	1.0	ug/L
1,2-dichloropropane	MW-94	10/01/2015		2.4	1.0	ug/L
1,2-dichloropropane	MW-94	10/13/2016		2.8	1.0	ug/L
1,2-dichloropropane	MW-94	4/10/2017		2.7	1.0	ug/L
1,2-dichloropropane	MW-94	10/09/2017		3.2	1.0	ug/L
1,2-dichloropropane	MW-94	4/17/2018		2.9	1.0	ug/L
1,2-dichloropropane	MW-94	10/22/2018		4.5	1.0	ug/L
1,2-dichloropropane	MW-94	4/22/2019		3.0	1.0	ug/L
1,2-dichloropropane	MW-94	10/23/2019		2.4	1.0	ug/L
1,2-dichloropropane	MW-94	4/10/2020		2.2	1.0	ug/L
1,2-dichloropropane	MW-94	10/19/2020		2.7	1.0	ug/L
1,2-dichloropropane	MW-94	4/05/2021		1.6	1.0	ug/L
1,2-dichloropropane	MW-94	10/08/2021		2.2	1.0	ug/L
1,2-dichloropropane	MW-94	4/06/2022		1.7	1.0	ug/L
1,2-dichloropropane	MW-94	10/25/2022		2.1	1.0	ug/L
1,2-dichloropropane	MW-94	4/11/2023		1.4	1.0	ug/L
1,2-dichloropropane	MW-94	10/13/2023		2.2	1.0	ug/L
1,2-dichloropropane	MW-94	4/17/2024		1.1	1.0	ug/L
1,2-dichloropropane	MW-94	10/15/2024		1.0	1.0	ug/L
Acetone	MW-94	1/14/2011		43.5	10.0	ug/L
Acetone	MW-94	10/09/2012		32.1	10.0	ug/L
Acetone	MW-94	10/09/2017		38.8	10.0	ug/L
Acetone	MW-94	10/13/2023		15.6	10.0	ug/L
Benzene	MW-94	1/14/2011		1.1	1.0	ug/L
Benzene	MW-94	4/05/2011		1.2	1.0	ug/L
Benzene	MW-94	4/10/2012		1.3	1.0	ug/L
Benzene	MW-94	10/09/2012		1.2	1.0	ug/L
Benzene	MW-94	4/04/2013		2.0	1.0	ug/L
Benzene	MW-94	10/16/2013		1.6	1.0	ug/L
Benzene	MW-94	4/10/2014		1.4	1.0	ug/L
Benzene	MW-94	10/16/2014		4.2	1.0	ug/L
Benzene	MW-94	4/03/2015		2.6	1.0	ug/L
Benzene	MW-94	10/01/2015		3.2	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-94	4/14/2016		3.5	1.0	ug/L
Benzene	MW-94	10/13/2016		4.5	1.0	ug/L
Benzene	MW-94	4/10/2017		2.8	1.0	ug/L
Benzene	MW-94	10/09/2017		3.6	1.0	ug/L
Benzene	MW-94	4/17/2018		2.4	1.0	ug/L
Benzene	MW-94	10/22/2018		3.5	1.0	ug/L
Benzene	MW-94	4/22/2019		2.5	1.0	ug/L
Benzene	MW-94	10/23/2019		2.3	1.0	ug/L
Benzene	MW-94	4/10/2020		2.2	1.0	ug/L
Benzene	MW-94	10/19/2020		2.4	1.0	ug/L
Benzene	MW-94	4/05/2021		1.6	1.0	ug/L
Benzene	MW-94	10/08/2021		1.6	1.0	ug/L
Benzene	MW-94	4/06/2022		2.1	1.0	ug/L
Benzene	MW-94	10/25/2022		2.1	1.0	ug/L
Benzene	MW-94	4/11/2023		1.9	1.0	ug/L
Benzene	MW-94	10/13/2023		1.7	1.0	ug/L
Benzene	MW-94	4/17/2024		2.0	1.0	ug/L
Benzene	MW-94	10/15/2024		1.8	1.0	ug/L
Benzene	MW-94	4/14/2025		1.4	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-94	10/09/2012		8	8	ug/L
Chloroethane	MW-94	1/14/2011		16.5	1.0	ug/L
Chloroethane	MW-94	4/05/2011		19.0	1.0	ug/L
Chloroethane	MW-94	6/18/2011		6.4	1.0	ug/L
Chloroethane	MW-94	8/11/2011		12.7	1.0	ug/L
Chloroethane	MW-94	10/06/2011		19.8	1.0	ug/L
Chloroethane	MW-94	4/10/2012		16.7	1.0	ug/L
Chloroethane	MW-94	10/09/2012		18.2	1.0	ug/L
Chloroethane	MW-94	4/04/2013		14.3	1.0	ug/L
Chloroethane	MW-94	10/16/2013		17.2	1.0	ug/L
Chloroethane	MW-94	4/10/2014		18.5	1.0	ug/L
Chloroethane	MW-94	10/16/2014		16.4	1.0	ug/L
Chloroethane	MW-94	4/03/2015		13.0	1.0	ug/L
Chloroethane	MW-94	10/01/2015		9.5	1.0	ug/L
Chloroethane	MW-94	4/14/2016		9.2	1.0	ug/L
Chloroethane	MW-94	10/13/2016		11.8	1.0	ug/L
Chloroethane	MW-94	4/10/2017		8.9	1.0	ug/L
Chloroethane	MW-94	10/09/2017		8.6	1.0	ug/L
Chloroethane	MW-94	4/17/2018		5.6	1.0	ug/L
Chloroethane	MW-94	10/22/2018		5.2	1.0	ug/L
Chloroethane	MW-94	4/22/2019		5.4	1.0	ug/L
Chloroethane	MW-94	10/23/2019		6.0	1.0	ug/L
Chloroethane	MW-94	4/10/2020		4.4	1.0	ug/L
Chloroethane	MW-94	10/19/2020		5.2	1.0	ug/L
Chloroethane	MW-94	4/05/2021		3.7	1.0	ug/L
Chloroethane	MW-94	10/08/2021		4.0	1.0	ug/L
Chloroethane	MW-94	4/06/2022		4.6	1.0	ug/L
Chloroethane	MW-94	10/25/2022		4.7	1.0	ug/L
Chloroethane	MW-94	4/11/2023		4.0	1.0	ug/L
Chloroethane	MW-94	10/13/2023		4.5	1.0	ug/L
Chloroethane	MW-94	4/17/2024		4.3	1.0	ug/L
Chloroethane	MW-94	10/15/2024		3.0	1.0	ug/L
Chloroethane	MW-94	4/14/2025		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	1/14/2011		112.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/05/2011		204.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-94	6/18/2011		114.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	8/11/2011		153.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/06/2011		89.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/10/2012		131.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/09/2012		170.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/04/2013		150.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/16/2013		140.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/10/2014		118.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/16/2014		144.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/03/2015		102.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/01/2015		88.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/14/2016		89.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/13/2016		63.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/10/2017		43.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/09/2017		56.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/17/2018		28.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/22/2018		27.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/22/2019		30.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/23/2019		23.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/10/2020		21.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/19/2020		27.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/05/2021		13.2	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-94	10/08/2021		25.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/06/2022		18.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/25/2022		29.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/11/2023		11.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/13/2023		29.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/17/2024		5.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/15/2024		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/14/2025		3.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	1/14/2011		2.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/05/2011		4.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	6/18/2011		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	8/11/2011		3.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/06/2011		2.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/10/2012		2.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/09/2012		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/04/2013		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/16/2013		1.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/10/2014		1.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/16/2014		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/03/2015		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/13/2016		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/10/2020		1.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/19/2020		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/25/2022		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/13/2023		1.6	1.0	ug/L
Trichloroethylene	MW-94	1/14/2011		59.7	1.0	ug/L
Trichloroethylene	MW-94	4/05/2011		109.0	1.0	ug/L
Trichloroethylene	MW-94	6/18/2011		58.1	1.0	ug/L
Trichloroethylene	MW-94	8/11/2011		47.4	1.0	ug/L
Trichloroethylene	MW-94	10/06/2011		42.0	1.0	ug/L
Trichloroethylene	MW-94	4/10/2012		37.0	1.0	ug/L
Trichloroethylene	MW-94	10/09/2012		28.1	1.0	ug/L
Trichloroethylene	MW-94	4/04/2013		21.2	1.0	ug/L
Trichloroethylene	MW-94	10/16/2013		7.7	1.0	ug/L
Trichloroethylene	MW-94	4/10/2014		5.4	1.0	ug/L
Trichloroethylene	MW-94	10/16/2014		2.0	1.0	ug/L
Trichloroethylene	MW-94	4/03/2015		1.5	1.0	ug/L
Vinyl chloride	MW-94	1/14/2011		5.0	1.0	ug/L
Vinyl chloride	MW-94	4/05/2011		5.5	1.0	ug/L
Vinyl chloride	MW-94	6/18/2011		4.0	1.0	ug/L
Vinyl chloride	MW-94	8/11/2011		4.1	1.0	ug/L
Vinyl chloride	MW-94	10/06/2011		3.6	1.0	ug/L
Vinyl chloride	MW-94	4/10/2012		4.6	1.0	ug/L
Vinyl chloride	MW-94	10/09/2012		4.6	1.0	ug/L
Vinyl chloride	MW-94	4/04/2013		5.3	1.0	ug/L
Vinyl chloride	MW-94	10/16/2013		4.8	1.0	ug/L
Vinyl chloride	MW-94	4/10/2014		4.4	1.0	ug/L
Vinyl chloride	MW-94	10/16/2014		6.2	1.0	ug/L
Vinyl chloride	MW-94	4/03/2015		4.5	1.0	ug/L
Vinyl chloride	MW-94	10/01/2015		3.6	1.0	ug/L
Vinyl chloride	MW-94	4/14/2016		2.9	1.0	ug/L
Vinyl chloride	MW-94	10/13/2016		2.6	1.0	ug/L
Vinyl chloride	MW-94	4/10/2017		3.2	1.0	ug/L
Vinyl chloride	MW-94	10/09/2017		2.0	1.0	ug/L
Vinyl chloride	MW-94	4/17/2018		2.0	1.0	ug/L
Vinyl chloride	MW-94	10/22/2018		2.2	1.0	ug/L
Vinyl chloride	MW-94	4/22/2019		1.7	1.0	ug/L
Vinyl chloride	MW-94	4/10/2020		1.1	1.0	ug/L
Vinyl chloride	MW-94	10/19/2020		1.1	1.0	ug/L
Vinyl chloride	MW-94	10/25/2022		1.2	1.0	ug/L
Vinyl chloride	MW-94	4/11/2023		2.1	1.0	ug/L
Vinyl chloride	MW-94	10/13/2023		2.0	1.0	ug/L
Vinyl chloride	MW-94	4/17/2024		2.2	1.0	ug/L
Vinyl chloride	MW-94	10/15/2024		2.0	1.0	ug/L
Vinyl chloride	MW-94	4/14/2025		2.2	1.0	ug/L
Acetone	MW-95	10/13/2023		10.7	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-96	10/09/2012		8	8	ug/L
Cis-1,2-dichloroethylene	MW-96	1/14/2011		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-96	4/05/2011		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-96	6/18/2011		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-96	8/11/2011		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-96	10/09/2012		1.0	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-96R	10/08/2021		6	6	ug/L
Acetone	MW-98	10/09/2017		18.4	10.0	ug/L
1,1-dichloroethane	SRAMP A	4/22/2019		1.4	1.0	ug/L
1,2-dichloropropane	SRAMP A	4/22/2019		1.7	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	SRAMP A	4/10/2017		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	SRAMP A	4/22/2019		2.8	1.0	ug/L

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

Attachment G

Assessment Statistics for VOCs

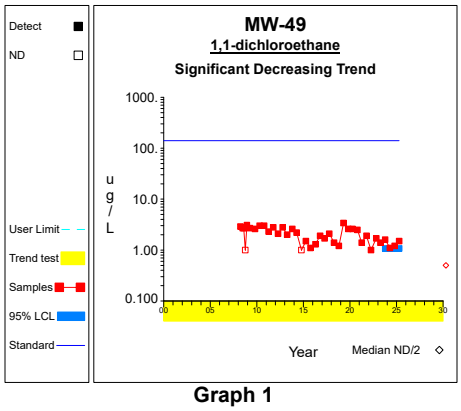
Table 1

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

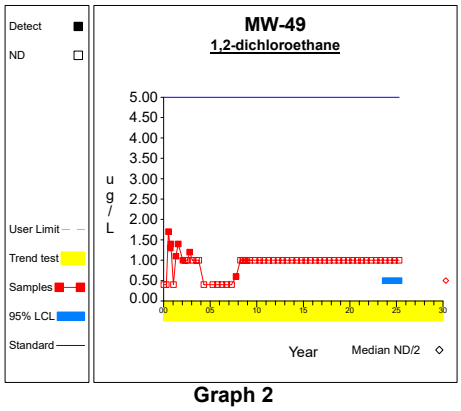
Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
1,1-dichloroethane	ug/L	MW-49	4	1.350	0.238	1.176	1.070	1.630	140.000	dec	
1,2-dichloroethane	ug/L	MW-49	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-dichloropropane	ug/L	MW-49	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,4-dichlorobenzene	ug/L	MW-49	4	5.725	1.895	1.176	3.497	7.953	75.000		
Benzene	ug/L	MW-49	4	2.000	1.465	1.176	0.277	3.723	5.000		
Chlorobenzene	ug/L	MW-49	4	0.775	0.320	1.176	0.398	1.152	100.000		
Chloroethane	ug/L	MW-49	4	5.425	0.866	1.176	4.407	6.443	2800.000	dec	
Cis-1,2-dichloroethylene	ug/L	MW-49	4	1.375	1.018	1.176	0.178	2.572	70.000	dec	
Trans-1,2-dichloroethylene	ug/L	MW-49	4	0.500	0.000	1.176	0.500	0.500	100.000		
Trichloroethylene	ug/L	MW-49	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl chloride	ug/L	MW-49	4	0.500	0.000	1.176	0.500	0.500	2.000	dec	
1,1-dichloroethane	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	140.000		
1,2-dichloroethane	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-dichloropropane	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,4-dichlorobenzene	ug/L	MW-54	4	2.975	0.789	1.176	2.047	3.903	75.000	inc	
Benzene	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	5.000		
Chlorobenzene	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	100.000		
Chloroethane	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	2800.000	dec	
Cis-1,2-dichloroethylene	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	70.000	dec	
Trans-1,2-dichloroethylene	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	100.000		
Trichloroethylene	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	5.000	dec	
Vinyl chloride	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	2.000		
1,1-dichloroethane	ug/L	MW-81	4	26.900	2.646	1.176	23.788	30.012	140.000	dec	
1,2-dichloroethane	ug/L	MW-81	4	12.275	2.407	1.176	9.443	15.107	5.000	inc	**
1,2-dichloropropane	ug/L	MW-81	4	6.150	2.378	1.176	3.352	8.948	5.000	dec	
1,4-dichlorobenzene	ug/L	MW-81	4	5.400	0.469	1.176	4.848	5.952	75.000	inc	
Benzene	ug/L	MW-81	4	0.500	0.000	1.176	0.500	0.500	5.000		
Chlorobenzene	ug/L	MW-81	4	1.800	0.082	1.176	1.704	1.896	100.000	inc	
Chloroethane	ug/L	MW-81	4	6.325	0.395	1.176	5.861	6.789	2800.000	dec	
Cis-1,2-dichloroethylene	ug/L	MW-81	4	150.500	26.363	1.176	119.490	181.510	70.000	dec	**
Trans-1,2-dichloroethylene	ug/L	MW-81	4	2.350	0.129	1.176	2.198	2.502	100.000	dec	
Trichloroethylene	ug/L	MW-81	4	1.850	1.190	1.176	0.450	3.250	5.000	dec	
Vinyl chloride	ug/L	MW-81	4	6.700	0.141	1.176	6.534	6.866	2.000		**
1,1-dichloroethane	ug/L	MW-94	4	1.450	0.645	1.176	0.691	2.209	140.000	dec	
1,2-dichloroethane	ug/L	MW-94	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-dichloropropane	ug/L	MW-94	4	1.200	0.716	1.176	0.357	2.043	5.000		
1,4-dichlorobenzene	ug/L	MW-94	4	0.500	0.000	1.176	0.500	0.500	75.000		
Benzene	ug/L	MW-94	4	1.725	0.250	1.176	1.431	2.019	5.000		
Chlorobenzene	ug/L	MW-94	4	0.500	0.000	1.176	0.500	0.500	100.000		
Chloroethane	ug/L	MW-94	4	3.750	0.759	1.176	2.857	4.643	2800.000	dec	
Cis-1,2-dichloroethylene	ug/L	MW-94	4	11.025	12.294	1.176	0.000	25.487	70.000	dec	
Trans-1,2-dichloroethylene	ug/L	MW-94	4	0.775	0.550	1.176	0.128	1.422	100.000	dec	
Trichloroethylene	ug/L	MW-94	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl chloride	ug/L	MW-94	4	2.100	0.115	1.176	1.964	2.236	2.000	dec	

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

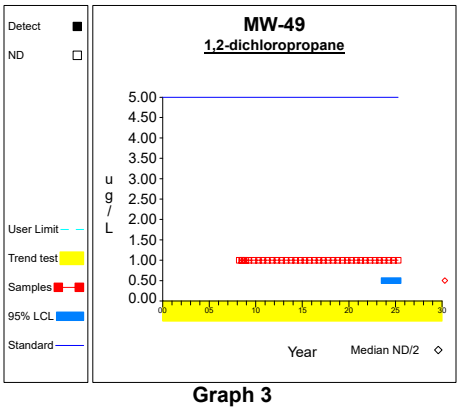
Confidence Limits (Assessment)



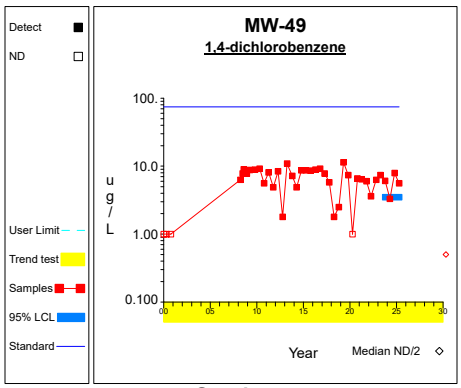
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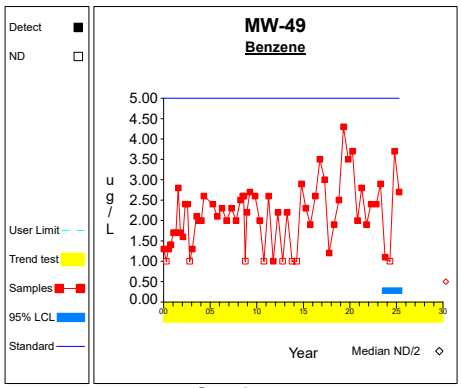
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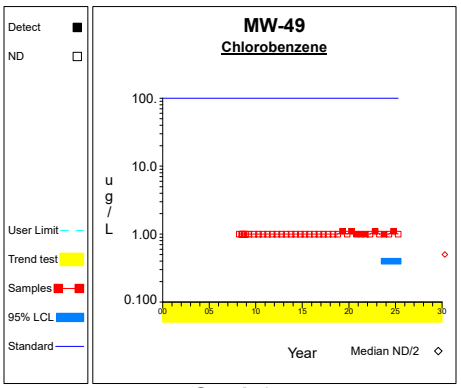
Graph 3



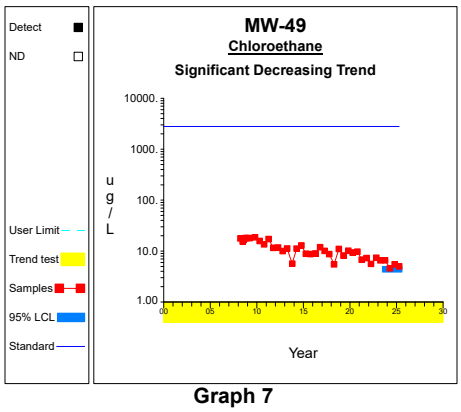
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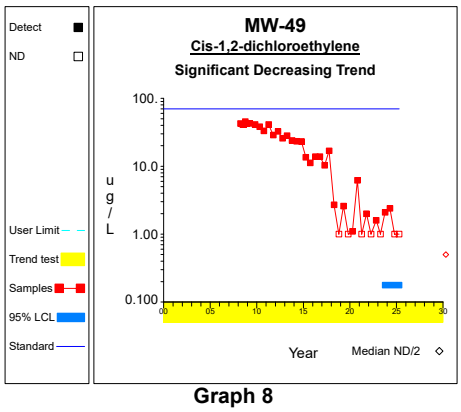
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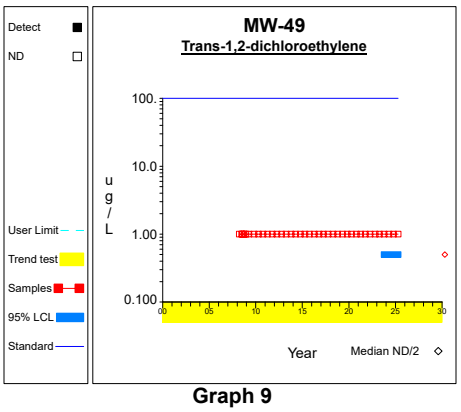
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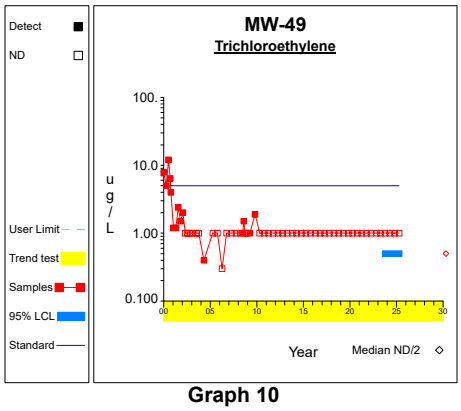
Graph 7



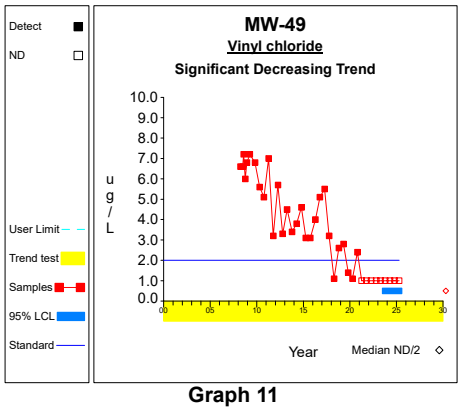
Graph 8



Graph 9



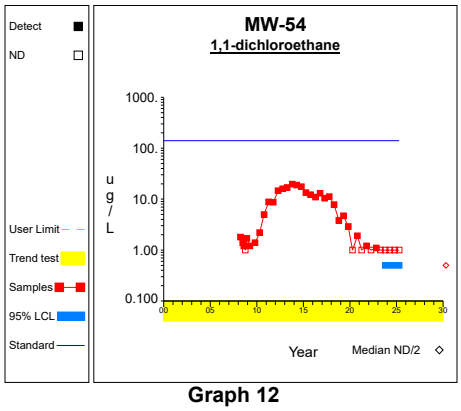
Graph 10



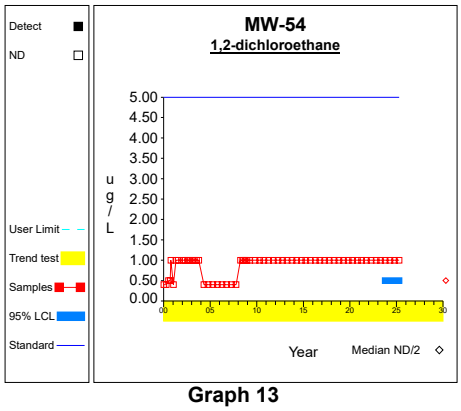
Graph 11

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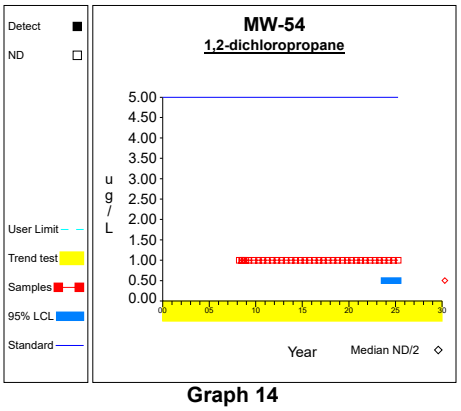
Confidence Limits (Assessment)



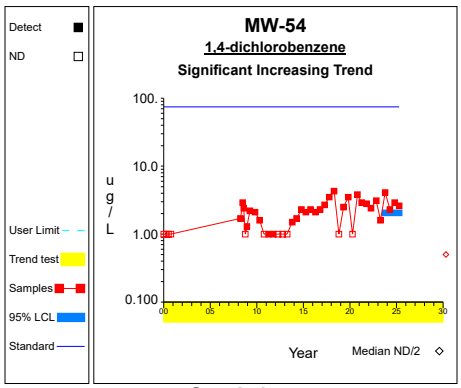
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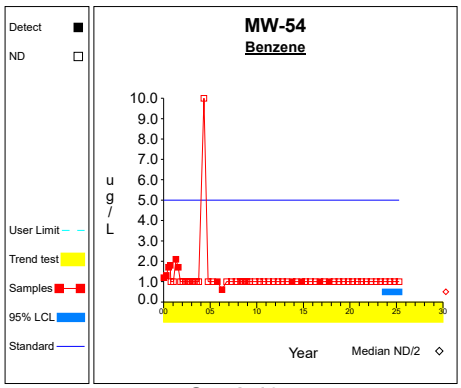
Graph 13



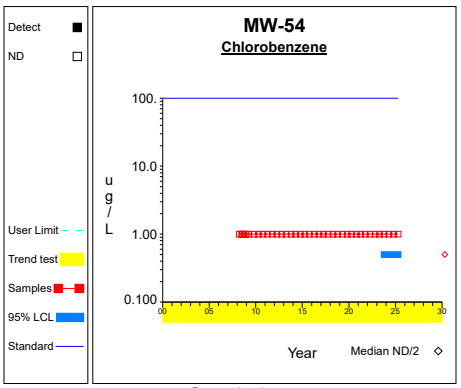
Graph 14



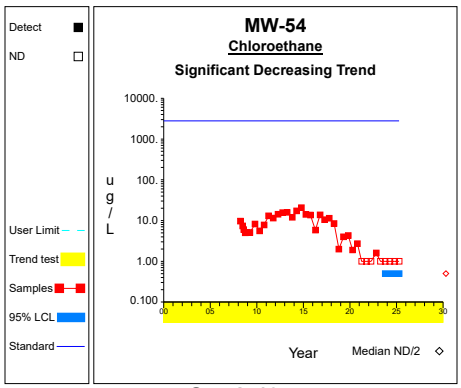
Graph 15



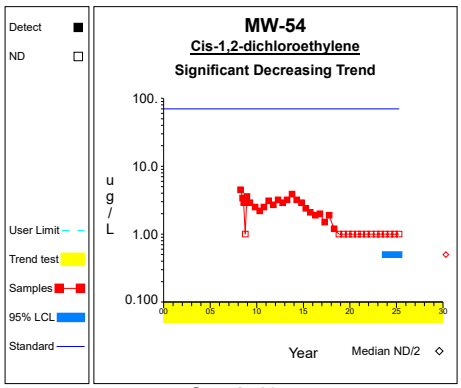
Graph 16



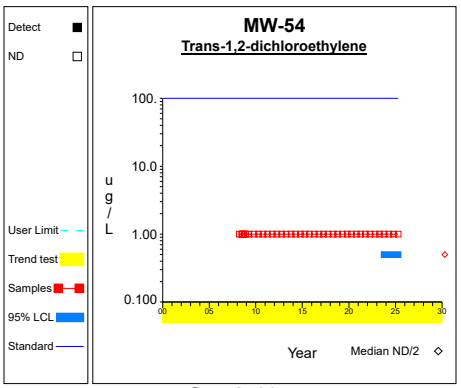
Graph 17



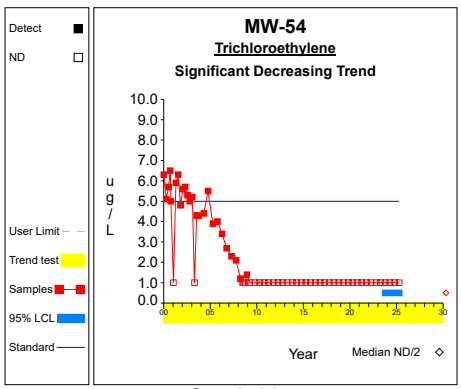
Graph 18



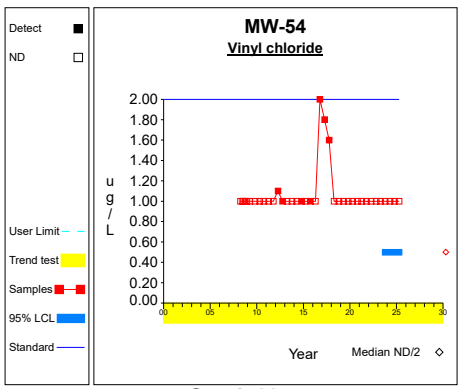
Graph 19



Graph 20



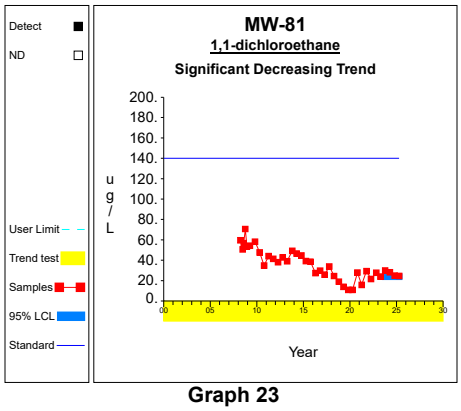
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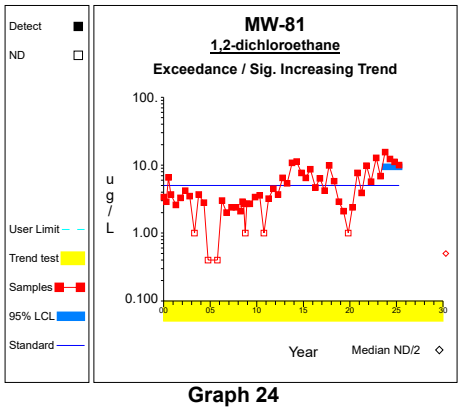
Graph 22

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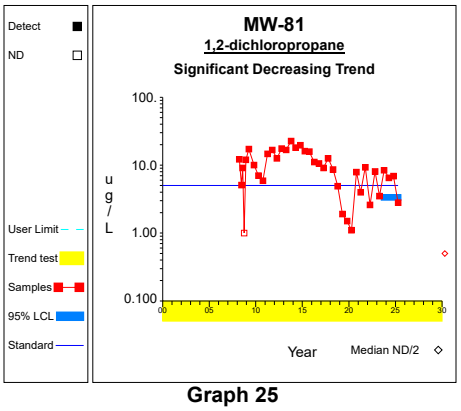
Confidence Limits (Assessment)



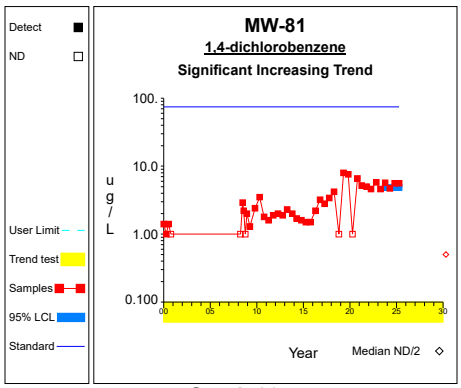
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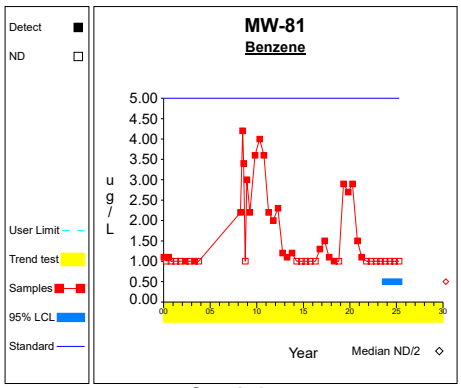
Graph 24



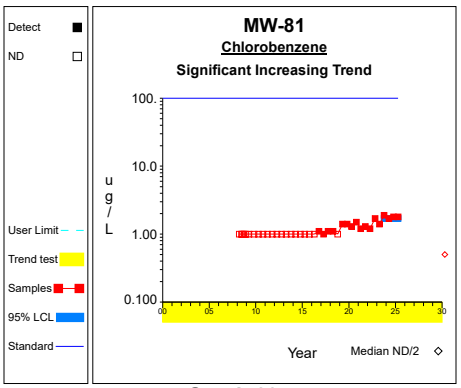
Graph 25



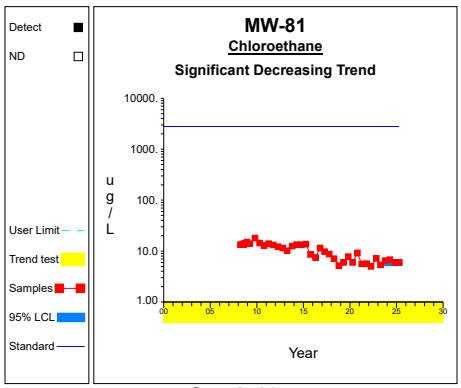
Graph 26



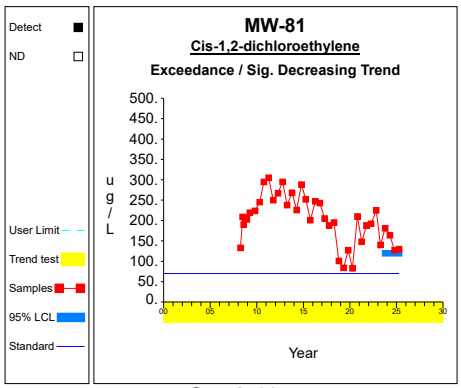
Graph 27



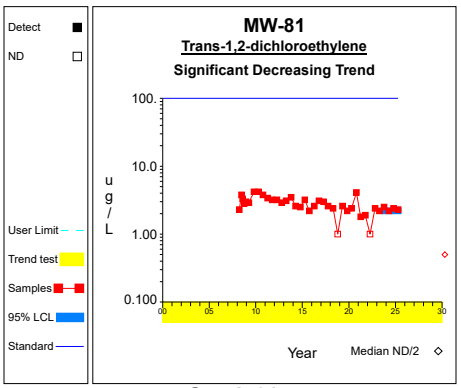
Graph 28



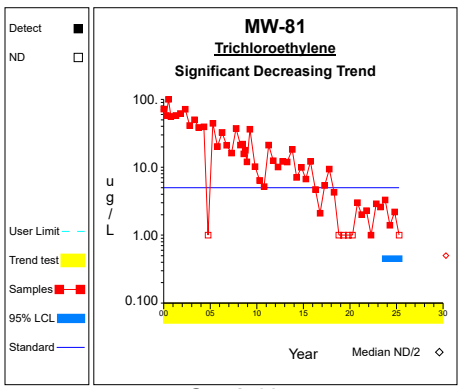
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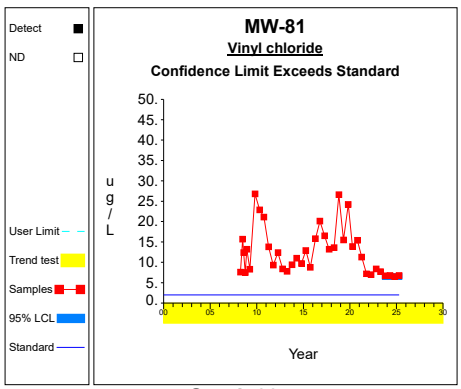
Graph 30



Graph 31



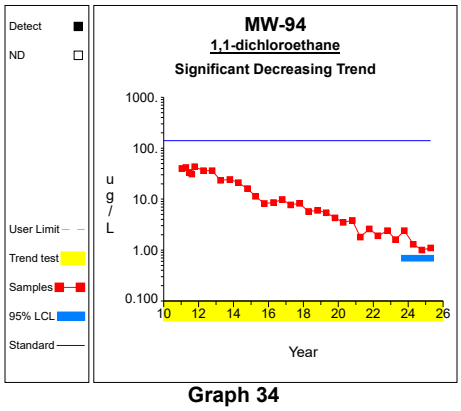
Graph 32



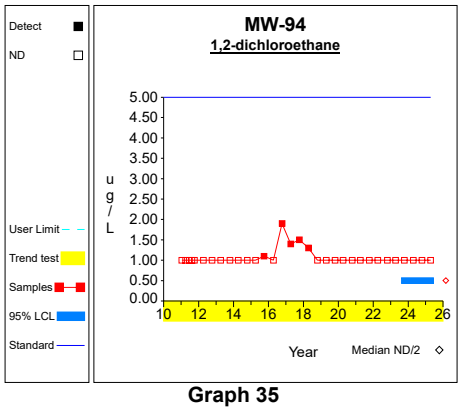
Graph 33

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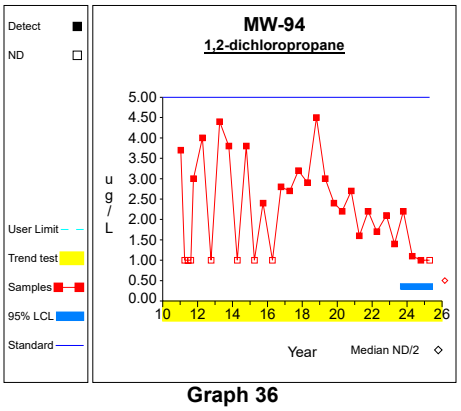
Confidence Limits (Assessment)



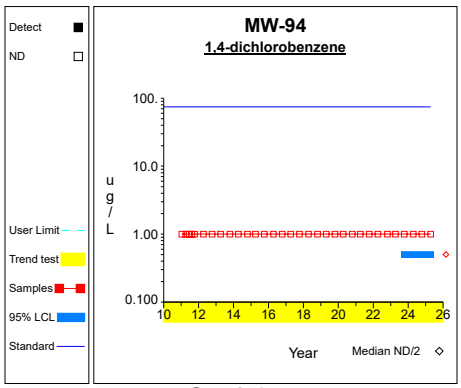
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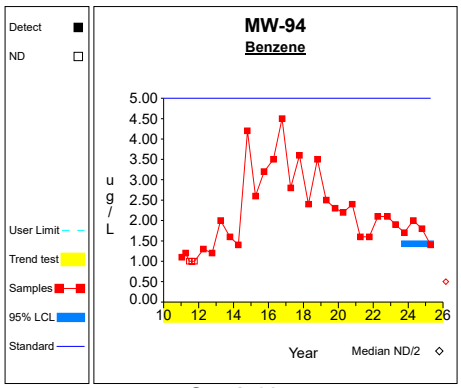
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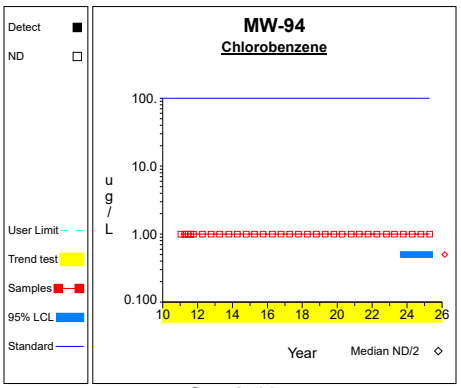
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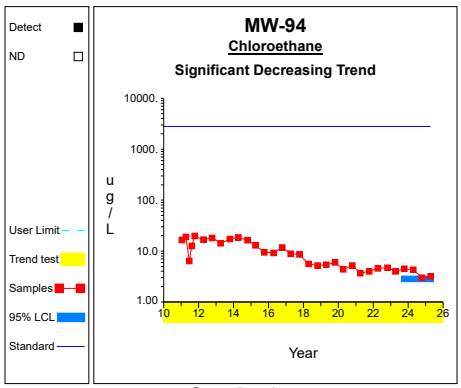
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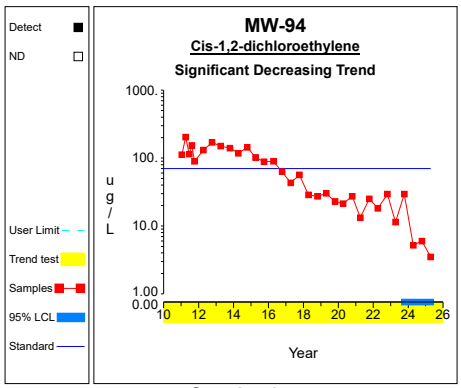
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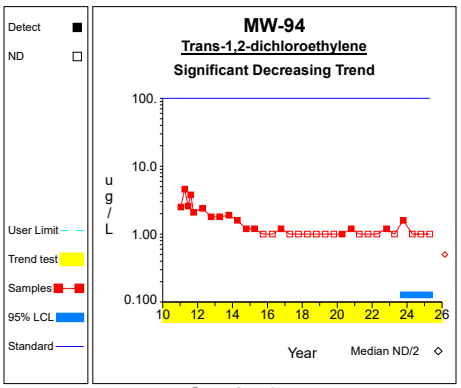
Graph 39



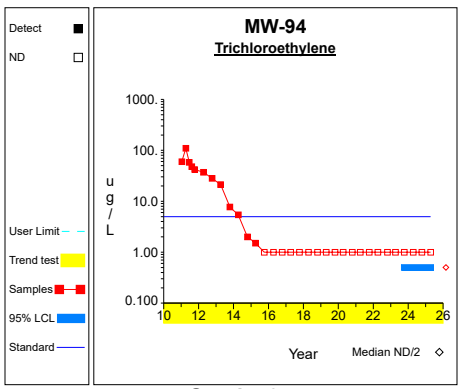
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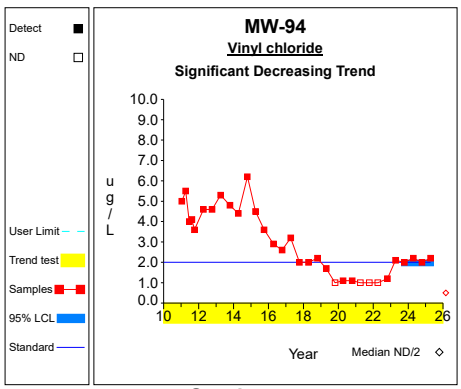
Graph 41



Graph 42



Graph 43



Graph 44

Prepared by: Otter Creek Environmental

Appendix B.2 – Fall Statistical Evaluation Report

GROUND WATER STATISTICS

FOR THE

MARSHALL COUNTY SANITARY LANDFILL

Second Semi-Annual Monitoring Event in 2025

Prepared for:
Marshall County Sanitary Landfill
2313 Marshalltown Blvd.
Marshalltown, Marshall County, IA

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

October 2025

INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the second semi-annual monitoring event in 2025 at the Marshall County Sanitary Landfill in Marshall County, Iowa. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell method is described and then applied to the Marshall County Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA Unified Guidance document ("*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities"*, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for Marshall County Sanitary Landfill includes upgradient wells MW-66, MW-85, MW-98, and MW-99 and downgradient detection sample points GU-2, GU-3, MW-49, MW-54, MW-81, MW-87, MW-89, MW-91, MW-93, MW-94, MW-95, MW-96(R), and MW-97. Detections of volatile organic compounds (VOCs) at wells along the north and west edges of the facility prompted a site remedial and mitigating action plan (SRAMP). Wells MW-89, MW-91, and MW-87 were installed to monitor the effectiveness of the SRAMP. Monitoring well MW-93 was installed adjacent to the leachate holding lagoon. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

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

Organic Compounds:

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

Inorganic constituents:

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

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

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

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

Interwell Statistics: Upgradient versus Downgradient Comparisons

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

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-66, MW-85, MW-98, and MW-99 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-66, MW-85, MW-98, and MW-99, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells MW-87, MW-89, MW-91, MW-93, MW-95, MW-96R, and MW-97 compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks.

For the data obtained during the second semi-annual monitoring event in 2025, the site prediction limit exceedances detected are summarized in the table below.

Trace Metal Prediction Limit Exceedances During the Second Semi-Annual Monitoring Event in 2025

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting Verification
MW-93	Arsenic	19.8	7.8000	Nonparametric	Verified
	Cobalt	12.2	5.7858	Normal	Verified
	Nickel	39.4	8.8000	Nonparametric	Verified
MW-96R	Cobalt	10.7	5.7858	Normal	Awaiting Verification

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Excluding barium and cobalt, these constituents are rarely detected in the upgradient wells. With the detection frequencies being less than 50% for all but barium and cobalt, nonparametric site prediction limits are used for those trace metals. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

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

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

The 95% LCL for cobalt at MW-93 (9.450 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L. The remainder of the calculated 95% LCLs are below the respective GWPS.

Supplemental Wells

Monitoring wells MW-49, MW-54, MW-81, and MW-94 are designated as supplemental wells, where only trend analysis is required. The data for each well is tested for existing trends using Sen's nonparametric estimate of trend (Attachment D). An increasing trend was identified for arsenic at MW-94. Decreasing trends were identified for barium at MW-49, nickel at MW-54, cobalt at MW-94, and nickel at MW-94.

Intrawell statistics

Because MW-93 monitors a leachate storage lagoon, the current data was also compared to background using intrawell statistics. MW-96R is also evaluated by intrawell statistics at the request of the IDNR. 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 landfill 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 Appendix I trace metals data from well MW-93 and MW-96R were evaluated using the combined Shewhart-CUSUM control chart method. The previous background at MW-93 included the data obtained from October 2014 through April 2018. As ground water monitoring at a municipal solid waste facility proceeds, it is recommended to update background data sets periodically with valid detection monitoring results that are representative of background groundwater quality not affected by leakage from a monitored unit. Failure to update background will exclude factors such as natural temporal variation, changes in field or laboratory methodologies, and changes in the water table due to meteorological conditions or other influences. Ongoing operations at a facility such as excavations or drainage control may affect the ground water flow direction and water quality. An increase in the number of statistical failures, not related to the landfill, is routinely observed for sites neglecting to update the statistical background with valid data points.

Since there were no exceedances attributed to the lagoon and also that there was insufficient background to determine nonparametric limits, the background was updated to include data collected from October 2014 through 2020 for MW-93. The background at MW-96R includes data obtained from 2021 through 2024.

A summary of the intrawell statistics is included in Attachment E, Table 1 "Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts." The control charts or time series graphs follow the summary table.

For the parameters compared to background, there were no control limit exceedances detected. No increasing trends were detected in the background data.

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. For intrawell analysis, the site-wide false positive rate is 3% and the test becomes sensitive to 3 standard deviation units over background.

Volatile Organic Compounds

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

VOCs Detected During the Second Semi-Annual Monitoring Event in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified or Awaiting Verification	Ground Water Standard
MW-49	1,1-Dichloroethane	1.2	1	Verified	140[b]
	1,4-Dichlorobenzene	6.5	1	Verified	75[a]
	Benzene	4.3	1	Verified	5[a]
	Carbon disulfide	1.7	1	Awaiting Verification	700[b]
	Chlorobenzene	1.3	1	Awaiting Verification	100[a]
	Chloroethane	6.1	1	Verified	2800[b]
MW-54	1,4-Dichlorobenzene	1.7	1	Verified	75[a]
MW-81	1,1-Dichloroethane	20.2	1	Verified	140[b]
	1,2-Dichlorobenzene	1.2	1	Awaiting Verification	600
	1,2-Dichloroethane	8.5	1	Verified	5[a]
	1,2-Dichloropropane	4.5	1	Verified	5[a]
	1,4-Dichlorobenzene	7.4	1	Verified	75[a]
	Benzene	1.2	1	Awaiting Verification	5[a]
	Carbon disulfide	1.6	1	Awaiting Verification	700[b]
	Chlorobenzene	2.0	1	Verified	100[a]
	Chloroethane	6.2	1	Verified	2800[b]
	cis-1,2-Dichloroethene	135	1	Verified	70[a]
	trans-1,2-Dichloroethene	2.6	1	Verified	100[a]
	Trichloroethene	1.2	1	Verified	5[a]
	Vinyl chloride	10.8	1	Verified	2[a]
MW-94	Benzene	1.8	1	Verified	5[a]
	Chloroethane	4.2	1	Verified	2800[b]
	cis-1,2-Dichloroethene	2.3	1	Verified	70[a]
	Vinyl chloride	4.5	1	Verified	2[a]

a - USEPA MCL
b – Iowa Statewide Standard

This table indicates that these VOCs are generally verified detections. A site remedial and mitigating action plan was implemented due to the presence of these VOCs. Historical VOC detections are summarized in Attachment F.

The verified VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009 (Attachment G).

The 95% LCL for 1,2-dichloroethane at MW-81 (8.582 µg/L) exceeds the USEPA MCL of 5 µg/L.

The 95% LCL for *cis*-1,2-dichloroethene at MW-81 (119.015 µg/L) exceeds the USEPA MCL of 70 µg/L. The 95% LCL for vinyl chloride at MW-81 (5.308 µg/L) exceeds the USEPA MCL of 2 µg/L.

The remainder of the verified VOC detections are statistically below the respective ground water quality standards.

Attachment A

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

Table 1

Analytical Data Summary for 10/6/2025

Constituents	Units	MW-213	MW-49	MW-54	MW-81	MW-85	MW-87	MW-89	MW-91	MW-93	MW-94	MW-95
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	1.2	<1.0	20.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dichloroethane	ug/L	<1.0	<1.0	<1.0	8.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dichloropropane	ug/L	1.4	<1.0	<1.0	4.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-dichlorobenzene	ug/L	<1.0	6.5	1.7	7.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-butanone (mek)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic, total	ug/L	<2.0	443.0	4.8	6.3	<2.0	<2.0	<2.0	<2.0	19.8	66.4	<2.0
Barium, total	ug/L	310.0	226.0	506.0	1460.0	145.0	111.0	234.0	250.0	270.0	256.0	27.7
Benzene	ug/L	<1.0	4.3	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	<1.0
Beryllium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1	<1	<1	
Cadmium, total	ug/L	<.2	.4	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Carbon disulfide	ug/L	<1.0	1.7	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1.0	1.3	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L	<1.0	6.1	<1.0	6.2	<1.0		<1.0	<1.0	<1.0	4.2	
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1	<1	<1	
Chromium, total	ug/L	1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,2-dichloroethylene	ug/L	6.6	<1.0	<1.0	135.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.5	77.8	9.0	9.9	<.5	<.5	<.5	<.5	12.2	8.3	<.5
Copper, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethane	ug/L	<5										
Ethene	ug/L	<5										
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methane	ug/L	<5										
Methyl iodide	ug/L	<1	<1	<1	<1	<1		<1	<1	<1	<1	
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<5.0	38.8	17.5	9.2	<5.0	7.3	<5.0	<5.0	39.4	7.5	<5.0
Selenium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Silver, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	2.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1		<1	<1	<1	<1	
Vanadium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl acetate	ug/L	<5	<5	<5	<5	<5		<5	<5	<5	<5	
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	10.8	<1.0		<1.0	<1.0	<1.0	4.5	
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	6.5	47.7	9.8	12.2	8.0	8.8	18.5	8.8	10.4	<5.0	5.7

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

Table 1

Analytical Data Summary for 10/6/2025

Constituents	MW-96R	MW-97	MW-98	MW-99	SRAMP B
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0
2-butanone (mek)	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5
Antimony, total	<1	<1	<1	<1	<1
Arsenic, total	6.8	<2.0	<2.0	<2.0	<2.0
Barium, total	317.0	295.0	81.9	87.6	16.3
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0
Beryllium, total	<.5	<.5	<.5	<.5	<.5
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Cadmium, total	.3	<.2	<.2	<.2	<.2
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chromium, total	<1.0	1.2	<1.0	<1.0	<1.0
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	10.7	<.5	.5	.5	<.5
Copper, total	<5	<5	<5	<5	<5
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Ethane					
Ethene					
Ethylbenzene	<1	<1	<1	<1	<1
Lead, total	<1	<1	<1	<1	<1
Methane					
Methyl iodide	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5
Nickel, total	<5.0	<5.0	<5.0	<5.0	<5.0
Selenium, total	<2.0	2.1	<2.0	<2.0	<2.0
Silver, total	<5	<5	<5	<5	<5
Styrene	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<.5	<.5	<.5	<.5	<.5
Toluene	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<2	<2	<2	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	11.1	16.7	6.3	7.6	13.0

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-66	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-66	01/14/2015	ND	2.0000		
Antimony, total	ug/L	MW-66	04/03/2015	ND	2.0000		
Antimony, total	ug/L	MW-66	07/06/2015	ND	2.0000		
Antimony, total	ug/L	MW-66	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-66	04/14/2016	ND	2.0000		
Antimony, total	ug/L	MW-66	10/13/2016	ND	2.0000		
Antimony, total	ug/L	MW-66	04/10/2017	ND	2.0000		
Arsenic, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Arsenic, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Arsenic, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Arsenic, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Arsenic, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Arsenic, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Arsenic, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Barium, total	ug/L	MW-66	10/16/2014		325.0000		
Barium, total	ug/L	MW-66	01/14/2015		412.0000		
Barium, total	ug/L	MW-66	04/03/2015		524.0000		
Barium, total	ug/L	MW-66	07/06/2015		560.0000		
Barium, total	ug/L	MW-66	10/01/2015		612.0000		
Barium, total	ug/L	MW-66	04/14/2016		395.0000		
Barium, total	ug/L	MW-66	10/13/2016		413.0000		
Barium, total	ug/L	MW-66	04/10/2017		371.0000		
Beryllium, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Beryllium, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Beryllium, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Beryllium, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Beryllium, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Beryllium, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Cadmium, total	ug/L	MW-66	10/16/2014	ND	0.8000		
Cadmium, total	ug/L	MW-66	01/14/2015	ND	0.8000		
Cadmium, total	ug/L	MW-66	04/03/2015	ND	0.8000		
Cadmium, total	ug/L	MW-66	07/06/2015	ND	0.8000		
Cadmium, total	ug/L	MW-66	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-66	04/14/2016	ND	0.8000		
Cadmium, total	ug/L	MW-66	10/13/2016	ND	0.8000		
Cadmium, total	ug/L	MW-66	04/10/2017	ND	0.8000		
Chromium, total	ug/L	MW-66	10/16/2014	ND	8.0000		
Chromium, total	ug/L	MW-66	01/14/2015	ND	8.0000		
Chromium, total	ug/L	MW-66	04/03/2015	ND	8.0000		
Chromium, total	ug/L	MW-66	07/06/2015	ND	8.0000		
Chromium, total	ug/L	MW-66	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-66	04/14/2016	ND	8.0000		
Chromium, total	ug/L	MW-66	10/13/2016	ND	8.0000		
Chromium, total	ug/L	MW-66	04/10/2017	ND	8.0000		
Cobalt, total	ug/L	MW-66	10/16/2014	ND	0.8000		
Cobalt, total	ug/L	MW-66	01/14/2015	ND	0.8000		
Cobalt, total	ug/L	MW-66	04/03/2015	ND	0.8000		
Cobalt, total	ug/L	MW-66	07/06/2015	ND	0.8000		
Cobalt, total	ug/L	MW-66	10/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-66	04/14/2016	ND	0.8000		
Cobalt, total	ug/L	MW-66	10/13/2016		0.9000		
Cobalt, total	ug/L	MW-66	04/10/2017	ND	0.8000		
Copper, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Copper, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Copper, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Copper, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Copper, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Copper, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Copper, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Lead, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Lead, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Lead, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Lead, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Lead, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Lead, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Lead, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Nickel, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Nickel, total	ug/L	MW-66	01/14/2015	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Nickel, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Nickel, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Nickel, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Nickel, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Selenium, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Selenium, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Selenium, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Selenium, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Selenium, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Selenium, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Silver, total	ug/L	MW-66	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-66	01/14/2015	ND	4.0000		
Silver, total	ug/L	MW-66	04/03/2015	ND	4.0000		
Silver, total	ug/L	MW-66	07/06/2015	ND	4.0000		
Silver, total	ug/L	MW-66	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-66	04/14/2016	ND	4.0000		
Silver, total	ug/L	MW-66	10/13/2016	ND	4.0000		
Silver, total	ug/L	MW-66	04/10/2017	ND	4.0000		
Thallium, total	ug/L	MW-66	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	01/14/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	04/03/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	07/06/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-66	04/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	10/13/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-66	04/10/2017	ND	4.0000	2.0000	**
Vanadium, total	ug/L	MW-66	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-66	01/14/2015	ND	20.0000		
Vanadium, total	ug/L	MW-66	04/03/2015	ND	20.0000		
Vanadium, total	ug/L	MW-66	07/06/2015	ND	20.0000		
Vanadium, total	ug/L	MW-66	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-66	04/14/2016	ND	20.0000		
Vanadium, total	ug/L	MW-66	10/13/2016	ND	20.0000		
Vanadium, total	ug/L	MW-66	04/10/2017	ND	20.0000		
Zinc, total	ug/L	MW-66	10/16/2014	ND	20.0000		
Zinc, total	ug/L	MW-66	01/14/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-66	04/03/2015		54.6000		
Zinc, total	ug/L	MW-66	07/06/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-66	10/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-66	04/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-66	10/13/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-66	04/10/2017	ND	8.0000	20.0000	**
Antimony, total	ug/L	MW-85	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-85	01/14/2015	ND	2.0000		
Antimony, total	ug/L	MW-85	04/03/2015	ND	2.0000		
Antimony, total	ug/L	MW-85	07/06/2015	ND	2.0000		
Antimony, total	ug/L	MW-85	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-85	04/14/2016	ND	2.0000		
Antimony, total	ug/L	MW-85	10/13/2016	ND	2.0000		
Antimony, total	ug/L	MW-85	04/10/2017	ND	2.0000		
Antimony, total	ug/L	MW-85	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-85	04/17/2018	ND	2.0000		
Antimony, total	ug/L	MW-85	10/22/2018	ND	2.0000		
Antimony, total	ug/L	MW-85	04/22/2019	ND	2.0000		
Antimony, total	ug/L	MW-85	10/23/2019	ND	2.0000		
Antimony, total	ug/L	MW-85	04/10/2020	ND	2.0000		
Antimony, total	ug/L	MW-85	10/19/2020	ND	2.0000		
Antimony, total	ug/L	MW-85	04/05/2021	ND	2.0000		
Antimony, total	ug/L	MW-85	10/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-85	04/06/2022	ND	2.0000		
Antimony, total	ug/L	MW-85	10/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-85	04/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-85	10/13/2023	ND	2.0000		
Antimony, total	ug/L	MW-85	04/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-85	10/15/2024	ND	2.0000		
Antimony, total	ug/L	MW-85	04/14/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-85	10/06/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Arsenic, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/03/2015	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/22/2018	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Arsenic, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Arsenic, total	ug/L	MW-85	04/14/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-85	10/06/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-85	10/16/2014		138.0000		
Barium, total	ug/L	MW-85	01/14/2015		157.0000		
Barium, total	ug/L	MW-85	04/03/2015		167.0000		
Barium, total	ug/L	MW-85	07/06/2015		143.0000		
Barium, total	ug/L	MW-85	10/01/2015		135.0000		
Barium, total	ug/L	MW-85	04/14/2016		155.0000		
Barium, total	ug/L	MW-85	10/13/2016		149.0000		
Barium, total	ug/L	MW-85	04/10/2017		175.0000		
Barium, total	ug/L	MW-85	10/09/2017		143.0000		
Barium, total	ug/L	MW-85	04/17/2018		142.0000		
Barium, total	ug/L	MW-85	10/22/2018		146.0000		
Barium, total	ug/L	MW-85	04/22/2019		152.0000		
Barium, total	ug/L	MW-85	10/23/2019		126.0000		
Barium, total	ug/L	MW-85	04/10/2020		160.0000		
Barium, total	ug/L	MW-85	10/19/2020		151.0000		
Barium, total	ug/L	MW-85	04/05/2021		135.0000		
Barium, total	ug/L	MW-85	10/08/2021		121.0000		
Barium, total	ug/L	MW-85	04/06/2022		133.0000		
Barium, total	ug/L	MW-85	10/25/2022		138.0000		
Barium, total	ug/L	MW-85	04/11/2023		141.0000		
Barium, total	ug/L	MW-85	10/13/2023		143.0000		
Barium, total	ug/L	MW-85	04/17/2024		144.0000		
Barium, total	ug/L	MW-85	10/15/2024		136.0000		
Barium, total	ug/L	MW-85	04/14/2025		137.0000		
Barium, total	ug/L	MW-85	10/06/2025		145.0000		
Beryllium, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Beryllium, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/22/2018	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Beryllium, total	ug/L	MW-85	04/14/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-85	10/06/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-85	10/16/2014	ND	0.8000		
Cadmium, total	ug/L	MW-85	01/14/2015	ND	0.8000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-85	04/03/2015	ND	0.8000		
Cadmium, total	ug/L	MW-85	07/06/2015	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/14/2016	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/13/2016	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/10/2017	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/17/2018	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/22/2018	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/22/2019	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/23/2019	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/10/2020	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/19/2020	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/05/2021	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/06/2022	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/13/2023	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/17/2024	ND	0.8000		
Cadmium, total	ug/L	MW-85	10/15/2024	ND	0.8000		
Cadmium, total	ug/L	MW-85	04/14/2025	ND	0.2000	0.8000	**
Cadmium, total	ug/L	MW-85	10/06/2025	ND	0.2000	0.8000	**
Chromium, total	ug/L	MW-85	10/16/2014	ND	8.0000		
Chromium, total	ug/L	MW-85	01/14/2015	ND	8.0000		
Chromium, total	ug/L	MW-85	04/03/2015	ND	8.0000		
Chromium, total	ug/L	MW-85	07/06/2015	ND	8.0000		
Chromium, total	ug/L	MW-85	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-85	04/14/2016	ND	8.0000		
Chromium, total	ug/L	MW-85	10/13/2016	ND	8.0000		
Chromium, total	ug/L	MW-85	04/10/2017	ND	8.0000		
Chromium, total	ug/L	MW-85	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-85	04/17/2018	ND	8.0000		
Chromium, total	ug/L	MW-85	10/22/2018	ND	8.0000		
Chromium, total	ug/L	MW-85	04/22/2019	ND	8.0000		
Chromium, total	ug/L	MW-85	10/23/2019	ND	8.0000		
Chromium, total	ug/L	MW-85	04/10/2020	ND	8.0000		
Chromium, total	ug/L	MW-85	10/19/2020	ND	8.0000		
Chromium, total	ug/L	MW-85	04/05/2021	ND	8.0000		
Chromium, total	ug/L	MW-85	10/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-85	04/06/2022	ND	8.0000		
Chromium, total	ug/L	MW-85	10/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-85	04/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-85	10/13/2023	ND	8.0000		
Chromium, total	ug/L	MW-85	04/17/2024	ND	8.0000		
Chromium, total	ug/L	MW-85	10/15/2024	ND	8.0000		
Chromium, total	ug/L	MW-85	04/14/2025		1.3000		
Chromium, total	ug/L	MW-85	10/06/2025	ND	1.0000	8.0000	**
Cobalt, total	ug/L	MW-85	10/16/2014	ND	0.8000		
Cobalt, total	ug/L	MW-85	01/14/2015	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/03/2015	ND	0.8000		
Cobalt, total	ug/L	MW-85	07/06/2015	ND	0.8000		
Cobalt, total	ug/L	MW-85	10/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/14/2016	ND	0.8000		
Cobalt, total	ug/L	MW-85	10/13/2016	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/10/2017	ND	0.8000		
Cobalt, total	ug/L	MW-85	10/09/2017	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/17/2018	ND	0.8000		
Cobalt, total	ug/L	MW-85	10/22/2018	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/22/2019	ND	0.8000		
Cobalt, total	ug/L	MW-85	10/23/2019	ND	0.8000		
Cobalt, total	ug/L	MW-85	04/10/2020		0.4000		
Cobalt, total	ug/L	MW-85	10/19/2020		0.4000		
Cobalt, total	ug/L	MW-85	04/05/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	10/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	04/06/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	10/25/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	04/11/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	10/13/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	04/17/2024		0.4000		
Cobalt, total	ug/L	MW-85	10/15/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-85	04/14/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-85	10/06/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-85	10/16/2014	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Copper, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Copper, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Copper, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Copper, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Copper, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Copper, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Copper, total	ug/L	MW-85	10/22/2018		4.8000		
Copper, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Copper, total	ug/L	MW-85	10/23/2019		4.0000		
Copper, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Copper, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Copper, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Copper, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Copper, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Copper, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Copper, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Copper, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Copper, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Copper, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Copper, total	ug/L	MW-85	04/14/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-85	10/06/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Lead, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Lead, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Lead, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Lead, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Lead, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Lead, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Lead, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Lead, total	ug/L	MW-85	10/22/2018	ND	4.0000		
Lead, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Lead, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Lead, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Lead, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Lead, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Lead, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Lead, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Lead, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Lead, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Lead, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Lead, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Lead, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Lead, total	ug/L	MW-85	04/14/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-85	10/06/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Nickel, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Nickel, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Nickel, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Nickel, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Nickel, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Nickel, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Nickel, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Nickel, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Nickel, total	ug/L	MW-85	10/22/2018		20.6000		*
Nickel, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Nickel, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Nickel, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Nickel, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Nickel, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Nickel, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Nickel, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Nickel, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Nickel, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Nickel, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Nickel, total	ug/L	MW-85	04/14/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-85	10/06/2025	ND	5.0000	4.0000	**

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Selenium, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Selenium, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Selenium, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Selenium, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Selenium, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Selenium, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Selenium, total	ug/L	MW-85	10/22/2018	ND	4.0000		
Selenium, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Selenium, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Selenium, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Selenium, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Selenium, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Selenium, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Selenium, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Selenium, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Selenium, total	ug/L	MW-85	04/14/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-85	10/06/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-85	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-85	01/14/2015	ND	4.0000		
Silver, total	ug/L	MW-85	04/03/2015	ND	4.0000		
Silver, total	ug/L	MW-85	07/06/2015	ND	4.0000		
Silver, total	ug/L	MW-85	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-85	04/14/2016	ND	4.0000		
Silver, total	ug/L	MW-85	10/13/2016	ND	4.0000		
Silver, total	ug/L	MW-85	04/10/2017	ND	4.0000		
Silver, total	ug/L	MW-85	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-85	04/17/2018	ND	4.0000		
Silver, total	ug/L	MW-85	10/22/2018	ND	4.0000		
Silver, total	ug/L	MW-85	04/22/2019	ND	4.0000		
Silver, total	ug/L	MW-85	10/23/2019	ND	4.0000		
Silver, total	ug/L	MW-85	04/10/2020	ND	4.0000		
Silver, total	ug/L	MW-85	10/19/2020	ND	4.0000		
Silver, total	ug/L	MW-85	04/05/2021	ND	4.0000		
Silver, total	ug/L	MW-85	10/08/2021	ND	4.0000		
Silver, total	ug/L	MW-85	04/06/2022	ND	4.0000		
Silver, total	ug/L	MW-85	10/25/2022	ND	4.0000		
Silver, total	ug/L	MW-85	04/11/2023	ND	4.0000		
Silver, total	ug/L	MW-85	10/13/2023	ND	4.0000		
Silver, total	ug/L	MW-85	04/17/2024	ND	4.0000		
Silver, total	ug/L	MW-85	10/15/2024	ND	4.0000		
Silver, total	ug/L	MW-85	04/14/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-85	10/06/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-85	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	01/14/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	04/03/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	07/06/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-85	04/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	10/13/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	04/10/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	04/17/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	10/22/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-85	04/22/2019	ND	2.0000		
Thallium, total	ug/L	MW-85	10/23/2019	ND	2.0000		
Thallium, total	ug/L	MW-85	04/10/2020	ND	2.0000		
Thallium, total	ug/L	MW-85	10/19/2020	ND	2.0000		
Thallium, total	ug/L	MW-85	04/05/2021	ND	2.0000		
Thallium, total	ug/L	MW-85	10/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-85	04/06/2022	ND	2.0000		
Thallium, total	ug/L	MW-85	10/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-85	04/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-85	10/13/2023	ND	2.0000		
Thallium, total	ug/L	MW-85	04/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-85	10/15/2024	ND	2.0000		
Thallium, total	ug/L	MW-85	04/14/2025	ND	0.5000	2.0000	**

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-85	10/06/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-85	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-85	01/14/2015	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/03/2015	ND	20.0000		
Vanadium, total	ug/L	MW-85	07/06/2015	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/14/2016	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/13/2016	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/10/2017	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/17/2018	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/22/2018	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/22/2019	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/23/2019	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/10/2020	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/19/2020	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/05/2021	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/06/2022	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/13/2023	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-85	10/15/2024	ND	20.0000		
Vanadium, total	ug/L	MW-85	04/14/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-85	10/06/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-85	10/16/2014	ND	20.0000		
Zinc, total	ug/L	MW-85	01/14/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	04/03/2015		27.0000		
Zinc, total	ug/L	MW-85	07/06/2015		9.1000		
Zinc, total	ug/L	MW-85	10/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	04/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	10/13/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	04/10/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	04/17/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-85	10/22/2018		125.0000		*
Zinc, total	ug/L	MW-85	04/22/2019	ND	20.0000		
Zinc, total	ug/L	MW-85	10/23/2019	ND	20.0000		
Zinc, total	ug/L	MW-85	04/10/2020	ND	20.0000		
Zinc, total	ug/L	MW-85	10/19/2020	ND	20.0000		
Zinc, total	ug/L	MW-85	04/05/2021	ND	20.0000		
Zinc, total	ug/L	MW-85	10/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-85	04/06/2022	ND	20.0000		
Zinc, total	ug/L	MW-85	10/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-85	04/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-85	10/13/2023	ND	20.0000		
Zinc, total	ug/L	MW-85	04/17/2024	ND	20.0000		
Zinc, total	ug/L	MW-85	10/15/2024	ND	20.0000		
Zinc, total	ug/L	MW-85	04/14/2025		9.7000		
Zinc, total	ug/L	MW-85	10/06/2025		8.0000		
Antimony, total	ug/L	MW-98	10/13/2016	ND	2.0000		
Antimony, total	ug/L	MW-98	04/10/2017	ND	2.0000		
Antimony, total	ug/L	MW-98	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-98	04/17/2018	ND	2.0000		
Antimony, total	ug/L	MW-98	10/22/2018	ND	2.0000		
Antimony, total	ug/L	MW-98	04/22/2019	ND	2.0000		
Antimony, total	ug/L	MW-98	10/23/2019	ND	2.0000		
Antimony, total	ug/L	MW-98	04/10/2020	ND	2.0000		
Antimony, total	ug/L	MW-98	10/19/2020	ND	2.0000		
Antimony, total	ug/L	MW-98	04/05/2021	ND	2.0000		
Antimony, total	ug/L	MW-98	10/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-98	04/06/2022	ND	2.0000		
Antimony, total	ug/L	MW-98	10/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-98	04/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-98	10/13/2023	ND	2.0000		
Antimony, total	ug/L	MW-98	04/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-98	10/15/2024	ND	2.0000		
Antimony, total	ug/L	MW-98	04/14/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-98	10/06/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-98	10/13/2016		7.4000		
Arsenic, total	ug/L	MW-98	04/10/2017		25.3000		*
Arsenic, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/17/2018		7.8000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Arsenic, total	ug/L	MW-98	10/23/2019		4.8000		
Arsenic, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Arsenic, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Arsenic, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Arsenic, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/11/2023		6.4000		
Arsenic, total	ug/L	MW-98	10/13/2023		6.3000		
Arsenic, total	ug/L	MW-98	04/17/2024		48.0000		*
Arsenic, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Arsenic, total	ug/L	MW-98	04/14/2025		2.4000		
Arsenic, total	ug/L	MW-98	10/06/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-98	10/13/2016		171.0000		
Barium, total	ug/L	MW-98	04/10/2017		241.0000		
Barium, total	ug/L	MW-98	10/09/2017		129.0000		
Barium, total	ug/L	MW-98	04/17/2018		193.0000		
Barium, total	ug/L	MW-98	10/22/2018		102.0000		
Barium, total	ug/L	MW-98	04/22/2019		133.0000		
Barium, total	ug/L	MW-98	10/23/2019		94.4000		
Barium, total	ug/L	MW-98	04/10/2020		157.0000		
Barium, total	ug/L	MW-98	10/19/2020		147.0000		
Barium, total	ug/L	MW-98	04/05/2021		125.0000		
Barium, total	ug/L	MW-98	10/08/2021		149.0000		
Barium, total	ug/L	MW-98	04/06/2022		117.0000		
Barium, total	ug/L	MW-98	10/25/2022		183.0000		
Barium, total	ug/L	MW-98	04/11/2023		136.0000		
Barium, total	ug/L	MW-98	10/13/2023		217.0000		
Barium, total	ug/L	MW-98	04/17/2024		325.0000		
Barium, total	ug/L	MW-98	10/15/2024		137.0000		
Barium, total	ug/L	MW-98	04/14/2025		131.0000		
Barium, total	ug/L	MW-98	10/06/2025		81.9000		
Beryllium, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Beryllium, total	ug/L	MW-98	04/14/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-98	10/06/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-98	10/13/2016	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/10/2017	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/17/2018	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/22/2018	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/22/2019	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/23/2019	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/10/2020	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/19/2020	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/05/2021	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/06/2022	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/13/2023	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/17/2024	ND	0.8000		
Cadmium, total	ug/L	MW-98	10/15/2024	ND	0.8000		
Cadmium, total	ug/L	MW-98	04/14/2025	ND	0.2000	0.8000	**
Cadmium, total	ug/L	MW-98	10/06/2025	ND	0.2000	0.8000	**
Chromium, total	ug/L	MW-98	10/13/2016	ND	8.0000		
Chromium, total	ug/L	MW-98	04/10/2017		9.8000		

* - 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	
Chromium, total	ug/L	MW-98	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-98	04/17/2018	ND	8.0000		
Chromium, total	ug/L	MW-98	10/22/2018	ND	8.0000		
Chromium, total	ug/L	MW-98	04/22/2019	ND	8.0000		
Chromium, total	ug/L	MW-98	10/23/2019	ND	8.0000		
Chromium, total	ug/L	MW-98	04/10/2020	ND	8.0000		
Chromium, total	ug/L	MW-98	10/19/2020	ND	8.0000		
Chromium, total	ug/L	MW-98	04/05/2021	ND	8.0000		
Chromium, total	ug/L	MW-98	10/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-98	04/06/2022	ND	8.0000		
Chromium, total	ug/L	MW-98	10/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-98	04/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-98	10/13/2023	ND	8.0000		
Chromium, total	ug/L	MW-98	04/17/2024	ND	8.0000		
Chromium, total	ug/L	MW-98	10/15/2024	ND	8.0000		
Chromium, total	ug/L	MW-98	04/14/2025		1.0000		
Chromium, total	ug/L	MW-98	10/06/2025	ND	1.0000	8.0000	**
Cobalt, total	ug/L	MW-98	10/13/2016		3.0000		
Cobalt, total	ug/L	MW-98	04/10/2017		4.4000		
Cobalt, total	ug/L	MW-98	10/09/2017		0.8000		
Cobalt, total	ug/L	MW-98	04/17/2018		5.0000		
Cobalt, total	ug/L	MW-98	10/22/2018	ND	0.8000		
Cobalt, total	ug/L	MW-98	04/22/2019		1.3000		
Cobalt, total	ug/L	MW-98	10/23/2019		2.4000		
Cobalt, total	ug/L	MW-98	04/10/2020		2.0000		
Cobalt, total	ug/L	MW-98	10/19/2020		2.2000		
Cobalt, total	ug/L	MW-98	04/05/2021		0.6000		
Cobalt, total	ug/L	MW-98	10/08/2021		2.2000		
Cobalt, total	ug/L	MW-98	04/06/2022		0.7000		
Cobalt, total	ug/L	MW-98	10/25/2022		3.6000		
Cobalt, total	ug/L	MW-98	04/11/2023		2.1000		
Cobalt, total	ug/L	MW-98	10/13/2023		5.5000		
Cobalt, total	ug/L	MW-98	04/17/2024		4.7000		
Cobalt, total	ug/L	MW-98	10/15/2024		1.9000		
Cobalt, total	ug/L	MW-98	04/14/2025		1.2000		
Cobalt, total	ug/L	MW-98	10/06/2025		0.5000		
Copper, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Copper, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Copper, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Copper, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Copper, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Copper, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Copper, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Copper, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Copper, total	ug/L	MW-98	04/05/2021		4.1000		
Copper, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Copper, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Copper, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Copper, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Copper, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Copper, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Copper, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Copper, total	ug/L	MW-98	04/14/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-98	10/06/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Lead, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Lead, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Lead, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Lead, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Lead, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Lead, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Lead, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Lead, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Lead, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Lead, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Lead, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Lead, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Lead, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Lead, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Lead, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Lead, total	ug/L	MW-98	04/14/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-98	10/06/2025	ND	1.0000	4.0000	**

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Nickel, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Nickel, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Nickel, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Nickel, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Nickel, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Nickel, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Nickel, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Nickel, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Nickel, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Nickel, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Nickel, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Nickel, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Nickel, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Nickel, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Nickel, total	ug/L	MW-98	04/14/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-98	10/06/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Selenium, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Selenium, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Selenium, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Selenium, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Selenium, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Selenium, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Selenium, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Selenium, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Selenium, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Selenium, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Selenium, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Selenium, total	ug/L	MW-98	04/14/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-98	10/06/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-98	10/13/2016	ND	4.0000		
Silver, total	ug/L	MW-98	04/10/2017	ND	4.0000		
Silver, total	ug/L	MW-98	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-98	04/17/2018	ND	4.0000		
Silver, total	ug/L	MW-98	10/22/2018	ND	4.0000		
Silver, total	ug/L	MW-98	04/22/2019	ND	4.0000		
Silver, total	ug/L	MW-98	10/23/2019	ND	4.0000		
Silver, total	ug/L	MW-98	04/10/2020	ND	4.0000		
Silver, total	ug/L	MW-98	10/19/2020	ND	4.0000		
Silver, total	ug/L	MW-98	04/05/2021	ND	4.0000		
Silver, total	ug/L	MW-98	10/08/2021	ND	4.0000		
Silver, total	ug/L	MW-98	04/06/2022	ND	4.0000		
Silver, total	ug/L	MW-98	10/25/2022	ND	4.0000		
Silver, total	ug/L	MW-98	04/11/2023	ND	4.0000		
Silver, total	ug/L	MW-98	10/13/2023	ND	4.0000		
Silver, total	ug/L	MW-98	04/17/2024	ND	4.0000		
Silver, total	ug/L	MW-98	10/15/2024	ND	4.0000		
Silver, total	ug/L	MW-98	04/14/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-98	10/06/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-98	10/13/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-98	04/10/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-98	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-98	04/17/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-98	10/22/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-98	04/22/2019	ND	2.0000		
Thallium, total	ug/L	MW-98	10/23/2019	ND	2.0000		
Thallium, total	ug/L	MW-98	04/10/2020	ND	2.0000		
Thallium, total	ug/L	MW-98	10/19/2020	ND	2.0000		
Thallium, total	ug/L	MW-98	04/05/2021	ND	2.0000		
Thallium, total	ug/L	MW-98	10/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-98	04/06/2022	ND	2.0000		
Thallium, total	ug/L	MW-98	10/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-98	04/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-98	10/13/2023	ND	2.0000		
Thallium, total	ug/L	MW-98	04/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-98	10/15/2024	ND	2.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-98	04/14/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-98	10/06/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-98	10/13/2016	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/10/2017	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/17/2018	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/22/2018	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/22/2019	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/23/2019	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/10/2020	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/19/2020	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/05/2021	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/06/2022	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/13/2023	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-98	10/15/2024	ND	20.0000		
Vanadium, total	ug/L	MW-98	04/14/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-98	10/06/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-98	10/13/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-98	04/10/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-98	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-98	04/17/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-98	10/22/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-98	04/22/2019	ND	20.0000		
Zinc, total	ug/L	MW-98	10/23/2019	ND	20.0000		
Zinc, total	ug/L	MW-98	04/10/2020	ND	20.0000		
Zinc, total	ug/L	MW-98	10/19/2020	ND	20.0000		
Zinc, total	ug/L	MW-98	04/05/2021	ND	20.0000		
Zinc, total	ug/L	MW-98	10/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-98	04/06/2022	ND	20.0000		
Zinc, total	ug/L	MW-98	10/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-98	04/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-98	10/13/2023	ND	20.0000		
Zinc, total	ug/L	MW-98	04/17/2024	ND	20.0000		
Zinc, total	ug/L	MW-98	10/15/2024	ND	20.0000		
Zinc, total	ug/L	MW-98	04/14/2025		6.2000		
Zinc, total	ug/L	MW-98	10/06/2025		6.3000		
Antimony, total	ug/L	MW-99	10/13/2016	ND	2.0000		
Antimony, total	ug/L	MW-99	04/10/2017	ND	2.0000		
Antimony, total	ug/L	MW-99	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-99	04/17/2018	ND	2.0000		
Antimony, total	ug/L	MW-99	10/22/2018	ND	2.0000		
Antimony, total	ug/L	MW-99	04/22/2019	ND	2.0000		
Antimony, total	ug/L	MW-99	10/23/2019	ND	2.0000		
Antimony, total	ug/L	MW-99	04/10/2020	ND	2.0000		
Antimony, total	ug/L	MW-99	10/19/2020	ND	2.0000		
Antimony, total	ug/L	MW-99	04/05/2021	ND	2.0000		
Antimony, total	ug/L	MW-99	10/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-99	04/06/2022	ND	2.0000		
Antimony, total	ug/L	MW-99	10/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-99	04/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-99	10/13/2023	ND	2.0000		
Antimony, total	ug/L	MW-99	04/18/2024	ND	2.0000		
Antimony, total	ug/L	MW-99	10/15/2024	ND	2.0000		
Antimony, total	ug/L	MW-99	04/14/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-99	10/06/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/05/2021	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/06/2022	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/13/2023	ND	4.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Arsenic, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Arsenic, total	ug/L	MW-99	04/14/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-99	10/06/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-99	10/13/2016		131.0000		
Barium, total	ug/L	MW-99	04/10/2017		109.0000		
Barium, total	ug/L	MW-99	10/09/2017		140.0000		
Barium, total	ug/L	MW-99	04/17/2018		93.9000		
Barium, total	ug/L	MW-99	10/22/2018		81.0000		
Barium, total	ug/L	MW-99	04/22/2019		110.0000		
Barium, total	ug/L	MW-99	10/23/2019		123.0000		
Barium, total	ug/L	MW-99	04/10/2020		124.0000		
Barium, total	ug/L	MW-99	10/19/2020		118.0000		
Barium, total	ug/L	MW-99	04/05/2021		117.0000		
Barium, total	ug/L	MW-99	10/08/2021		130.0000		
Barium, total	ug/L	MW-99	04/06/2022		110.0000		
Barium, total	ug/L	MW-99	10/25/2022		134.0000		
Barium, total	ug/L	MW-99	04/11/2023		89.4000		
Barium, total	ug/L	MW-99	10/13/2023		134.0000		
Barium, total	ug/L	MW-99	04/18/2024		164.0000		
Barium, total	ug/L	MW-99	10/15/2024		88.8000		
Barium, total	ug/L	MW-99	04/14/2025		104.0000		
Barium, total	ug/L	MW-99	10/06/2025		87.6000		
Beryllium, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/05/2021	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/06/2022	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/13/2023	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Beryllium, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Beryllium, total	ug/L	MW-99	04/14/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-99	10/06/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-99	10/13/2016	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/10/2017	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/17/2018	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/22/2018	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/22/2019	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/23/2019	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/10/2020	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/19/2020	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/05/2021	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/06/2022	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/13/2023	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/18/2024	ND	0.8000		
Cadmium, total	ug/L	MW-99	10/15/2024	ND	0.8000		
Cadmium, total	ug/L	MW-99	04/14/2025		0.2000		
Cadmium, total	ug/L	MW-99	10/06/2025	ND	0.2000	0.8000	**
Chromium, total	ug/L	MW-99	10/13/2016	ND	8.0000		
Chromium, total	ug/L	MW-99	04/10/2017		23.4000		
Chromium, total	ug/L	MW-99	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-99	04/17/2018	ND	8.0000		
Chromium, total	ug/L	MW-99	10/22/2018	ND	8.0000		
Chromium, total	ug/L	MW-99	04/22/2019	ND	8.0000		
Chromium, total	ug/L	MW-99	10/23/2019	ND	8.0000		
Chromium, total	ug/L	MW-99	04/10/2020	ND	8.0000		
Chromium, total	ug/L	MW-99	10/19/2020	ND	8.0000		
Chromium, total	ug/L	MW-99	04/05/2021	ND	8.0000		
Chromium, total	ug/L	MW-99	10/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-99	04/06/2022	ND	8.0000		
Chromium, total	ug/L	MW-99	10/25/2022	ND	8.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, total	ug/L	MW-99	04/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-99	10/13/2023	ND	8.0000		
Chromium, total	ug/L	MW-99	04/18/2024	ND	8.0000		
Chromium, total	ug/L	MW-99	10/15/2024	ND	8.0000		
Chromium, total	ug/L	MW-99	04/14/2025		1.1000		
Chromium, total	ug/L	MW-99	10/06/2025	ND	1.0000	8.0000	**
Cobalt, total	ug/L	MW-99	10/13/2016		5.2000		
Cobalt, total	ug/L	MW-99	04/10/2017		3.4000		
Cobalt, total	ug/L	MW-99	10/09/2017		6.0000		
Cobalt, total	ug/L	MW-99	04/17/2018		2.5000		
Cobalt, total	ug/L	MW-99	10/22/2018		0.8000		*
Cobalt, total	ug/L	MW-99	04/22/2019		3.1000		
Cobalt, total	ug/L	MW-99	10/23/2019		2.7000		
Cobalt, total	ug/L	MW-99	04/10/2020		4.1000		
Cobalt, total	ug/L	MW-99	10/19/2020		3.8000		
Cobalt, total	ug/L	MW-99	04/05/2021		3.2000		
Cobalt, total	ug/L	MW-99	10/08/2021		4.0000		
Cobalt, total	ug/L	MW-99	04/06/2022		3.5000		
Cobalt, total	ug/L	MW-99	10/25/2022		3.6000		
Cobalt, total	ug/L	MW-99	04/11/2023		2.2000		
Cobalt, total	ug/L	MW-99	10/13/2023		3.3000		
Cobalt, total	ug/L	MW-99	04/18/2024		4.1000		
Cobalt, total	ug/L	MW-99	10/15/2024		0.9000		
Cobalt, total	ug/L	MW-99	04/14/2025		2.5000		
Cobalt, total	ug/L	MW-99	10/06/2025		0.5000		*
Copper, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Copper, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Copper, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Copper, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Copper, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Copper, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Copper, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Copper, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Copper, total	ug/L	MW-99	04/05/2021		5.3000		
Copper, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Copper, total	ug/L	MW-99	04/06/2022	ND	4.0000		
Copper, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Copper, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Copper, total	ug/L	MW-99	10/13/2023	ND	4.0000		
Copper, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Copper, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Copper, total	ug/L	MW-99	04/14/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-99	10/06/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Lead, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Lead, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Lead, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Lead, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Lead, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Lead, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Lead, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Lead, total	ug/L	MW-99	04/05/2021	ND	4.0000		
Lead, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Lead, total	ug/L	MW-99	04/06/2022	ND	4.0000		
Lead, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Lead, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Lead, total	ug/L	MW-99	10/13/2023	ND	4.0000		
Lead, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Lead, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Lead, total	ug/L	MW-99	04/14/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-99	10/06/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-99	10/13/2016		5.6000		
Nickel, total	ug/L	MW-99	04/10/2017		5.1000		
Nickel, total	ug/L	MW-99	10/09/2017		8.8000		
Nickel, total	ug/L	MW-99	04/17/2018		4.3000		
Nickel, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Nickel, total	ug/L	MW-99	04/22/2019		5.1000		
Nickel, total	ug/L	MW-99	10/23/2019		7.1000		
Nickel, total	ug/L	MW-99	04/10/2020		6.5000		
Nickel, total	ug/L	MW-99	10/19/2020		6.9000		
Nickel, total	ug/L	MW-99	04/05/2021		5.1000		
Nickel, total	ug/L	MW-99	10/08/2021		5.5000		

* - 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	
Nickel, total	ug/L	MW-99	04/06/2022		5.3000		
Nickel, total	ug/L	MW-99	10/25/2022		6.2000		
Nickel, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Nickel, total	ug/L	MW-99	10/13/2023		5.3000		
Nickel, total	ug/L	MW-99	04/18/2024		6.3000		
Nickel, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Nickel, total	ug/L	MW-99	04/14/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-99	10/06/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Selenium, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Selenium, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Selenium, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Selenium, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Selenium, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Selenium, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Selenium, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Selenium, total	ug/L	MW-99	04/05/2021	ND	4.0000		
Selenium, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-99	04/06/2022	ND	4.0000		
Selenium, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-99	10/13/2023	ND	4.0000		
Selenium, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Selenium, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Selenium, total	ug/L	MW-99	04/14/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-99	10/06/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-99	10/13/2016	ND	4.0000		
Silver, total	ug/L	MW-99	04/10/2017	ND	4.0000		
Silver, total	ug/L	MW-99	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-99	04/17/2018	ND	4.0000		
Silver, total	ug/L	MW-99	10/22/2018	ND	4.0000		
Silver, total	ug/L	MW-99	04/22/2019	ND	4.0000		
Silver, total	ug/L	MW-99	10/23/2019	ND	4.0000		
Silver, total	ug/L	MW-99	04/10/2020	ND	4.0000		
Silver, total	ug/L	MW-99	10/19/2020	ND	4.0000		
Silver, total	ug/L	MW-99	04/05/2021	ND	4.0000		
Silver, total	ug/L	MW-99	10/08/2021	ND	4.0000		
Silver, total	ug/L	MW-99	04/06/2022	ND	4.0000		
Silver, total	ug/L	MW-99	10/25/2022	ND	4.0000		
Silver, total	ug/L	MW-99	04/11/2023	ND	4.0000		
Silver, total	ug/L	MW-99	10/13/2023	ND	4.0000		
Silver, total	ug/L	MW-99	04/18/2024	ND	4.0000		
Silver, total	ug/L	MW-99	10/15/2024	ND	4.0000		
Silver, total	ug/L	MW-99	04/14/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-99	10/06/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-99	10/13/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-99	04/10/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-99	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-99	04/17/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-99	10/22/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-99	04/22/2019	ND	2.0000		
Thallium, total	ug/L	MW-99	10/23/2019	ND	2.0000		
Thallium, total	ug/L	MW-99	04/10/2020	ND	2.0000		
Thallium, total	ug/L	MW-99	10/19/2020	ND	2.0000		
Thallium, total	ug/L	MW-99	04/05/2021	ND	2.0000		
Thallium, total	ug/L	MW-99	10/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-99	04/06/2022	ND	2.0000		
Thallium, total	ug/L	MW-99	10/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-99	04/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-99	10/13/2023	ND	2.0000		
Thallium, total	ug/L	MW-99	04/18/2024	ND	2.0000		
Thallium, total	ug/L	MW-99	10/15/2024	ND	2.0000		
Thallium, total	ug/L	MW-99	04/14/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-99	10/06/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-99	10/13/2016	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/10/2017	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/17/2018	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/22/2018	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/22/2019	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/23/2019	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/10/2020	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/19/2020	ND	20.0000		

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

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-99	04/05/2021	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/06/2022	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/13/2023	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/18/2024	ND	20.0000		
Vanadium, total	ug/L	MW-99	10/15/2024	ND	20.0000		
Vanadium, total	ug/L	MW-99	04/14/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-99	10/06/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-99	10/13/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-99	04/10/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-99	10/09/2017		11.2000		
Zinc, total	ug/L	MW-99	04/17/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-99	10/22/2018		23.6000		
Zinc, total	ug/L	MW-99	04/22/2019		27.8000		
Zinc, total	ug/L	MW-99	10/23/2019		20.8000		
Zinc, total	ug/L	MW-99	04/10/2020	ND	20.0000		
Zinc, total	ug/L	MW-99	10/19/2020	ND	20.0000		
Zinc, total	ug/L	MW-99	04/05/2021	ND	20.0000		
Zinc, total	ug/L	MW-99	10/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-99	04/06/2022	ND	20.0000		
Zinc, total	ug/L	MW-99	10/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-99	04/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-99	10/13/2023	ND	20.0000		
Zinc, total	ug/L	MW-99	04/18/2024	ND	20.0000		
Zinc, total	ug/L	MW-99	10/15/2024	ND	20.0000		
Zinc, total	ug/L	MW-99	04/14/2025		7.1000		
Zinc, total	ug/L	MW-99	10/06/2025		7.6000		

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

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	MW-87	10/06/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-87	10/06/2025	ND	2.0000		7.8000
Barium, total	ug/L	MW-87	10/06/2025		111.0000		438.9092
Beryllium, total	ug/L	MW-87	10/06/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-87	10/06/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-87	10/06/2025	ND	1.0000		23.4000
Cobalt, total	ug/L	MW-87	10/06/2025	ND	0.5000		5.7858
Copper, total	ug/L	MW-87	10/06/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-87	10/06/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-87	10/06/2025		7.3000		8.8000
Selenium, total	ug/L	MW-87	10/06/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-87	10/06/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-87	10/06/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-87	10/06/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-87	10/06/2025		8.8000		54.6000
Antimony, total	ug/L	MW-89	10/06/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-89	10/06/2025	ND	2.0000		7.8000
Barium, total	ug/L	MW-89	10/06/2025		234.0000		438.9092
Beryllium, total	ug/L	MW-89	10/06/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-89	10/06/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-89	10/06/2025	ND	1.0000		23.4000
Cobalt, total	ug/L	MW-89	10/06/2025	ND	0.5000		5.7858
Copper, total	ug/L	MW-89	10/06/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-89	10/06/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-89	10/06/2025	ND	5.0000		8.8000
Selenium, total	ug/L	MW-89	10/06/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-89	10/06/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-89	10/06/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-89	10/06/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-89	10/06/2025		18.5000		54.6000
Antimony, total	ug/L	MW-91	10/06/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-91	10/06/2025	ND	2.0000		7.8000
Barium, total	ug/L	MW-91	10/06/2025		250.0000		438.9092
Beryllium, total	ug/L	MW-91	10/06/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-91	10/06/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-91	10/06/2025	ND	1.0000		23.4000
Cobalt, total	ug/L	MW-91	10/06/2025	ND	0.5000		5.7858
Copper, total	ug/L	MW-91	10/06/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-91	10/06/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-91	10/06/2025	ND	5.0000		8.8000
Selenium, total	ug/L	MW-91	10/06/2025	ND	2.0000	**	4.0000
Silver, total	ug/L	MW-91	10/06/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-91	10/06/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-91	10/06/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-91	10/06/2025		8.8000		54.6000
Antimony, total	ug/L	MW-93	10/06/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-93	10/06/2025		19.8000	***	7.8000
Barium, total	ug/L	MW-93	10/06/2025		270.0000		438.9092
Beryllium, total	ug/L	MW-93	10/06/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-93	10/06/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-93	10/06/2025	ND	1.0000		23.4000
Cobalt, total	ug/L	MW-93	10/06/2025		12.2000	***	5.7858
Copper, total	ug/L	MW-93	10/06/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-93	10/06/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-93	10/06/2025		39.4000	***	8.8000
Selenium, total	ug/L	MW-93	10/06/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-93	10/06/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-93	10/06/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-93	10/06/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-93	10/06/2025		10.4000		54.6000
Antimony, total	ug/L	MW-95	10/06/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-95	10/06/2025	ND	2.0000		7.8000
Barium, total	ug/L	MW-95	10/06/2025		27.7000		438.9092
Beryllium, total	ug/L	MW-95	10/06/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-95	10/06/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-95	10/06/2025	ND	1.0000		23.4000
Cobalt, total	ug/L	MW-95	10/06/2025	ND	0.5000		5.7858
Copper, total	ug/L	MW-95	10/06/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-95	10/06/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-95	10/06/2025	ND	5.0000		8.8000
Selenium, total	ug/L	MW-95	10/06/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-95	10/06/2025	ND	5.0000		4.0000

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

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Thallium, total	ug/L	MW-95	10/06/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-95	10/06/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-95	10/06/2025		5.7000		54.6000
Antimony, total	ug/L	MW-96R	10/06/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-96R	10/06/2025		6.8000		7.8000
Barium, total	ug/L	MW-96R	10/06/2025		317.0000		438.9092
Beryllium, total	ug/L	MW-96R	10/06/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-96R	10/06/2025		0.3000		0.8000
Chromium, total	ug/L	MW-96R	10/06/2025	ND	1.0000		23.4000
Cobalt, total	ug/L	MW-96R	10/06/2025		10.7000	*	5.7858
Copper, total	ug/L	MW-96R	10/06/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-96R	10/06/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-96R	10/06/2025	ND	5.0000		8.8000
Selenium, total	ug/L	MW-96R	10/06/2025	ND	2.0000	**	4.0000
Silver, total	ug/L	MW-96R	10/06/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-96R	10/06/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-96R	10/06/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-96R	10/06/2025		11.1000		54.6000
Antimony, total	ug/L	MW-97	10/06/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-97	10/06/2025	ND	2.0000		7.8000
Barium, total	ug/L	MW-97	10/06/2025		295.0000		438.9092
Beryllium, total	ug/L	MW-97	10/06/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-97	10/06/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-97	10/06/2025		1.2000		23.4000
Cobalt, total	ug/L	MW-97	10/06/2025	ND	0.5000		5.7858
Copper, total	ug/L	MW-97	10/06/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-97	10/06/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-97	10/06/2025	ND	5.0000		8.8000
Selenium, total	ug/L	MW-97	10/06/2025		2.1000		4.0000
Silver, total	ug/L	MW-97	10/06/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-97	10/06/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-97	10/06/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-97	10/06/2025		16.7000		54.6000

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

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	71	0.000	0	218	0.000
Arsenic, total	6	69	0.087	53	227	0.233
Barium, total	71	71	1.000	221	221	1.000
Beryllium, total	0	71	0.000	0	218	0.000
Cadmium, total	1	71	0.014	7	218	0.032
Chromium, total	5	71	0.070	14	218	0.064
Cobalt, total	39	69	0.565	52	226	0.230
Copper, total	4	71	0.056	31	223	0.139
Lead, total	0	71	0.000	12	218	0.055
Nickel, total	14	70	0.200	88	220	0.400
Selenium, total	0	71	0.000	12	223	0.054
Silver, total	0	71	0.000	0	218	0.000
Thallium, total	0	71	0.000	0	218	0.000
Vanadium, total	0	71	0.000	11	219	0.050
Zinc, total	13	70	0.186	64	219	0.292

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, total	0	71	0.000									nonpar
Arsenic, total	6	69	0.087	0.344	1.494					2.326	normal	nonpar
Barium, total	71	71	1.000	0.940	1.167					2.326	normal	normal
Beryllium, total	0	71	0.000									nonpar
Cadmium, total	1	71	0.014									nonpar
Chromium, total	5	71	0.070									nonpar
Cobalt, total	39	69	0.565	0.756	1.868					2.326	normal	normal
Copper, total	4	71	0.056									nonpar
Lead, total	0	71	0.000									nonpar
Nickel, total	14	70	0.200	1.049	0.057					2.326	normal	nonpar
Selenium, total	0	71	0.000									nonpar
Silver, total	0	71	0.000									nonpar
Thallium, total	0	71	0.000									nonpar
Vanadium, total	0	71	0.000									nonpar
Zinc, total	13	70	0.186	1.955	1.657					2.326	normal	nonpar

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	71					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	6	69					7.8000	nonpar		0.99
Barium, total	ug/L	71	71	174.3944	110.3297	0.0100	2.3975	438.9092	normal		
Beryllium, total	ug/L	0	71					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	1	71					0.8000	nonpar	***	0.99
Chromium, total	ug/L	5	71					23.4000	nonpar		0.99
Cobalt, total	ug/L	39	69	1.5116	1.7812	0.0100	2.3996	5.7858	normal		
Copper, total	ug/L	4	71					5.3000	nonpar		0.99
Lead, total	ug/L	0	71					4.0000	nonpar	***	0.99
Nickel, total	ug/L	14	70					8.8000	nonpar		0.99
Selenium, total	ug/L	0	71					4.0000	nonpar	***	0.99
Silver, total	ug/L	0	71					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	71					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	0	71					20.0000	nonpar	***	0.99
Zinc, total	ug/L	13	70					54.6000	nonpar		0.99

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

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Arsenic, total	ug/L	MW-98	04/17/2024	48.0000		10/13/2016-10/06/2025	18	0.5643
Cobalt, total	ug/L	MW-99	10/22/2018	0.8000		10/13/2016-10/06/2025	19	0.5643
Cobalt, total	ug/L	MW-99	10/06/2025	0.5000		10/13/2016-10/06/2025	19	0.5643

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

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, total	ug/L	MW-91	03/28/2008	ND	12.5000		4.0000
Selenium, total	ug/L	MW-91	06/20/2008	ND	5.0000		4.0000
Selenium, total	ug/L	MW-91	08/05/2008	ND	5.0000		4.0000
Selenium, total	ug/L	MW-91	10/03/2008	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	12/10/2008	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/02/2009	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/21/2009	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/20/2010	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/08/2010	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/05/2011	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/06/2011	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/10/2012	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/09/2012	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/04/2013	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/16/2013	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/10/2014	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/16/2014	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/03/2015	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/01/2015	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/14/2016	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/13/2016	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/10/2017		6.5000	*	4.0000
Selenium, total	ug/L	MW-91	07/11/2017	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/09/2017		4.7000	*	4.0000
Selenium, total	ug/L	MW-91	01/09/2018	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/17/2018		5.6000	*	4.0000
Selenium, total	ug/L	MW-91	07/02/2018	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/22/2018	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/22/2019	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/23/2019	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/10/2020	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/19/2020		4.1000	*	4.0000
Selenium, total	ug/L	MW-91	01/07/2021	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/05/2021		5.3000	*	4.0000
Selenium, total	ug/L	MW-91	10/08/2021	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/06/2022	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/25/2022	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/11/2023	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	11/09/2023	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/16/2024	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	10/15/2024	ND	4.0000		4.0000
Selenium, total	ug/L	MW-91	04/14/2025		5.0000	*	4.0000
Selenium, total	ug/L	MW-91	10/06/2025	ND	2.0000		4.0000
Arsenic, total	ug/L	MW-93	08/21/2008	ND	20.0000		7.8000
Arsenic, total	ug/L	MW-93	10/03/2008	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	12/08/2008	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	02/11/2009	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	04/02/2009	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	10/16/2009	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	04/20/2010		10.9000	*	7.8000
Arsenic, total	ug/L	MW-93	10/08/2010		11.1000	*	7.8000
Arsenic, total	ug/L	MW-93	04/05/2011	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	10/06/2011	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	04/10/2012		4.2000		7.8000
Arsenic, total	ug/L	MW-93	10/09/2012		4.4000		7.8000
Arsenic, total	ug/L	MW-93	04/04/2013	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	10/16/2013	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	04/10/2014		9.2000	*	7.8000
Arsenic, total	ug/L	MW-93	10/16/2014		5.1000		7.8000
Arsenic, total	ug/L	MW-93	04/06/2015		5.9000		7.8000
Arsenic, total	ug/L	MW-93	10/01/2015		5.2000		7.8000
Arsenic, total	ug/L	MW-93	04/14/2016		16.1000	*	7.8000
Arsenic, total	ug/L	MW-93	10/13/2016		6.5000		7.8000
Arsenic, total	ug/L	MW-93	04/10/2017		5.5000		7.8000
Arsenic, total	ug/L	MW-93	10/09/2017	ND	4.0000		7.8000
Arsenic, total	ug/L	MW-93	04/17/2018		5.4000		7.8000
Arsenic, total	ug/L	MW-93	10/22/2018		18.4000	*	7.8000
Arsenic, total	ug/L	MW-93	04/22/2019		67.3000	*	7.8000
Arsenic, total	ug/L	MW-93	10/23/2019		13.6000	*	7.8000
Arsenic, total	ug/L	MW-93	04/10/2020		17.5000	*	7.8000
Arsenic, total	ug/L	MW-93	10/19/2020		4.8000		7.8000

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

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, total	ug/L	MW-93	04/05/2021		10.5000	*	7.8000
Arsenic, total	ug/L	MW-93	10/08/2021		11.4000	*	7.8000
Arsenic, total	ug/L	MW-93	04/06/2022		11.1000	*	7.8000
Arsenic, total	ug/L	MW-93	10/25/2022		58.5000	*	7.8000
Arsenic, total	ug/L	MW-93	04/11/2023		9.3000	*	7.8000
Arsenic, total	ug/L	MW-93	10/13/2023		59.6000	*	7.8000
Arsenic, total	ug/L	MW-93	04/16/2024		11.9000	*	7.8000
Arsenic, total	ug/L	MW-93	10/15/2024		15.2000	*	7.8000
Arsenic, total	ug/L	MW-93	04/14/2025		10.4000	*	7.8000
Arsenic, total	ug/L	MW-93	10/06/2025		19.8000	*	7.8000
Cobalt, total	ug/L	MW-93	08/21/2008	ND	10.0000		5.7858
Cobalt, total	ug/L	MW-93	10/03/2008	ND	4.0000		5.7858
Cobalt, total	ug/L	MW-93	12/08/2008	ND	4.0000		5.7858
Cobalt, total	ug/L	MW-93	02/11/2009	ND	4.0000		5.7858
Cobalt, total	ug/L	MW-93	04/02/2009	ND	4.0000		5.7858
Cobalt, total	ug/L	MW-93	10/16/2009	ND	4.0000		5.7858
Cobalt, total	ug/L	MW-93	04/20/2010		11.6000	*	5.7858
Cobalt, total	ug/L	MW-93	10/08/2010		16.2000	*	5.7858
Cobalt, total	ug/L	MW-93	04/05/2011		9.2000	*	5.7858
Cobalt, total	ug/L	MW-93	10/06/2011		8.6000	*	5.7858
Cobalt, total	ug/L	MW-93	04/10/2012		4.8000		5.7858
Cobalt, total	ug/L	MW-93	10/09/2012		4.5000		5.7858
Cobalt, total	ug/L	MW-93	04/04/2013		4.5000		5.7858
Cobalt, total	ug/L	MW-93	10/16/2013		4.6000		5.7858
Cobalt, total	ug/L	MW-93	04/10/2014		11.2000	*	5.7858
Cobalt, total	ug/L	MW-93	10/16/2014		7.3000	*	5.7858
Cobalt, total	ug/L	MW-93	04/06/2015		9.7000	*	5.7858
Cobalt, total	ug/L	MW-93	10/01/2015		7.5000	*	5.7858
Cobalt, total	ug/L	MW-93	04/14/2016		14.7000	*	5.7858
Cobalt, total	ug/L	MW-93	10/13/2016		6.6000	*	5.7858
Cobalt, total	ug/L	MW-93	04/10/2017		8.6000	*	5.7858
Cobalt, total	ug/L	MW-93	10/09/2017		5.2000		5.7858
Cobalt, total	ug/L	MW-93	04/17/2018		5.9000	*	5.7858
Cobalt, total	ug/L	MW-93	10/22/2018		9.9000	*	5.7858
Cobalt, total	ug/L	MW-93	04/22/2019		18.9000	*	5.7858
Cobalt, total	ug/L	MW-93	10/23/2019		8.3000	*	5.7858
Cobalt, total	ug/L	MW-93	04/10/2020		11.3000	*	5.7858
Cobalt, total	ug/L	MW-93	10/19/2020		4.6000		5.7858
Cobalt, total	ug/L	MW-93	04/05/2021		7.9000	*	5.7858
Cobalt, total	ug/L	MW-93	10/08/2021		7.1000	*	5.7858
Cobalt, total	ug/L	MW-93	04/06/2022		8.7000	*	5.7858
Cobalt, total	ug/L	MW-93	10/25/2022		8.6000	*	5.7858
Cobalt, total	ug/L	MW-93	04/11/2023		9.0000	*	5.7858
Cobalt, total	ug/L	MW-93	10/13/2023		8.3000	*	5.7858
Cobalt, total	ug/L	MW-93	04/16/2024		9.8000	*	5.7858
Cobalt, total	ug/L	MW-93	10/15/2024		9.9000	*	5.7858
Cobalt, total	ug/L	MW-93	04/14/2025		11.5000	*	5.7858
Cobalt, total	ug/L	MW-93	10/06/2025		12.2000	*	5.7858
Nickel, total	ug/L	MW-93	08/21/2008		29.0000	*	8.8000
Nickel, total	ug/L	MW-93	10/03/2008		28.9000	*	8.8000
Nickel, total	ug/L	MW-93	12/08/2008		23.8000	*	8.8000
Nickel, total	ug/L	MW-93	02/11/2009		30.4000	*	8.8000
Nickel, total	ug/L	MW-93	04/02/2009		32.1000	*	8.8000
Nickel, total	ug/L	MW-93	10/16/2009		30.2000	*	8.8000
Nickel, total	ug/L	MW-93	01/29/2010		35.3000	*	8.8000
Nickel, total	ug/L	MW-93	04/20/2010		45.5000	*	8.8000
Nickel, total	ug/L	MW-93	10/08/2010		69.8000	*	8.8000
Nickel, total	ug/L	MW-93	04/05/2011		37.5000	*	8.8000
Nickel, total	ug/L	MW-93	10/06/2011		31.9000	*	8.8000
Nickel, total	ug/L	MW-93	04/10/2012		29.6000	*	8.8000
Nickel, total	ug/L	MW-93	10/09/2012		23.5000	*	8.8000
Nickel, total	ug/L	MW-93	04/04/2013		13.8000	*	8.8000
Nickel, total	ug/L	MW-93	10/16/2013		21.5000	*	8.8000
Nickel, total	ug/L	MW-93	04/10/2014		43.1000	*	8.8000
Nickel, total	ug/L	MW-93	10/16/2014		34.6000	*	8.8000
Nickel, total	ug/L	MW-93	04/06/2015		42.6000	*	8.8000
Nickel, total	ug/L	MW-93	10/01/2015		36.0000	*	8.8000
Nickel, total	ug/L	MW-93	04/14/2016		26.5000	*	8.8000
Nickel, total	ug/L	MW-93	10/13/2016		31.8000	*	8.8000
Nickel, total	ug/L	MW-93	04/10/2017		27.3000	*	8.8000
Nickel, total	ug/L	MW-93	10/09/2017		28.2000	*	8.8000

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

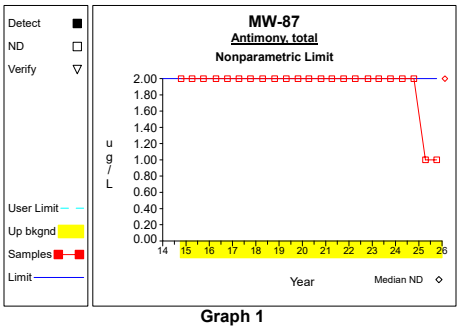
Table 8

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

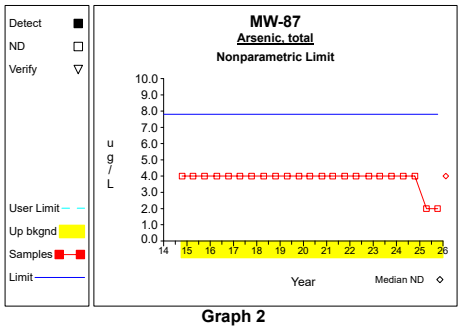
Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, total	ug/L	MW-93	04/17/2018		26.2000	*	8.8000
Nickel, total	ug/L	MW-93	10/22/2018		35.7000	*	8.8000
Nickel, total	ug/L	MW-93	04/22/2019		24.2000	*	8.8000
Nickel, total	ug/L	MW-93	10/23/2019		26.3000	*	8.8000
Nickel, total	ug/L	MW-93	04/10/2020		18.1000	*	8.8000
Nickel, total	ug/L	MW-93	10/19/2020		27.6000	*	8.8000
Nickel, total	ug/L	MW-93	04/05/2021		23.1000	*	8.8000
Nickel, total	ug/L	MW-93	10/08/2021		21.3000	*	8.8000
Nickel, total	ug/L	MW-93	04/06/2022		20.2000	*	8.8000
Nickel, total	ug/L	MW-93	10/25/2022		27.9000	*	8.8000
Nickel, total	ug/L	MW-93	04/11/2023		31.8000	*	8.8000
Nickel, total	ug/L	MW-93	10/13/2023		28.8000	*	8.8000
Nickel, total	ug/L	MW-93	04/16/2024		25.5000	*	8.8000
Nickel, total	ug/L	MW-93	10/15/2024		27.1000	*	8.8000
Nickel, total	ug/L	MW-93	04/14/2025		28.3000	*	8.8000
Nickel, total	ug/L	MW-93	10/06/2025		39.4000	*	8.8000
Cobalt, total	ug/L	MW-96R	04/05/2021		16.8000	*	5.7858
Cobalt, total	ug/L	MW-96R	07/02/2021		11.9000	*	5.7858
Cobalt, total	ug/L	MW-96R	10/08/2021		11.4000	*	5.7858
Cobalt, total	ug/L	MW-96R	04/06/2022		7.6000	*	5.7858
Cobalt, total	ug/L	MW-96R	10/25/2022		11.1000	*	5.7858
Cobalt, total	ug/L	MW-96R	04/11/2023		2.2000		5.7858
Cobalt, total	ug/L	MW-96R	07/07/2023		11.2000	*	5.7858
Cobalt, total	ug/L	MW-96R	07/20/2023		10.0000	*	5.7858
Cobalt, total	ug/L	MW-96R	10/13/2023		10.6000	*	5.7858
Cobalt, total	ug/L	MW-96R	04/16/2024		1.8000		5.7858
Cobalt, total	ug/L	MW-96R	10/15/2024		10.5000	*	5.7858
Cobalt, total	ug/L	MW-96R	04/14/2025		0.9000		5.7858
Cobalt, total	ug/L	MW-96R	10/06/2025		10.7000	*	5.7858
Selenium, total	ug/L	MW-96R	04/05/2021	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	10/08/2021	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	04/06/2022		9.1000	*	4.0000
Selenium, total	ug/L	MW-96R	10/25/2022	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	04/11/2023		7.8000	*	4.0000
Selenium, total	ug/L	MW-96R	07/07/2023	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	10/13/2023	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	04/16/2024		7.4000	*	4.0000
Selenium, total	ug/L	MW-96R	10/15/2024	ND	4.0000		4.0000
Selenium, total	ug/L	MW-96R	04/14/2025		7.2000	*	4.0000
Selenium, total	ug/L	MW-96R	10/06/2025	ND	2.0000		4.0000

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

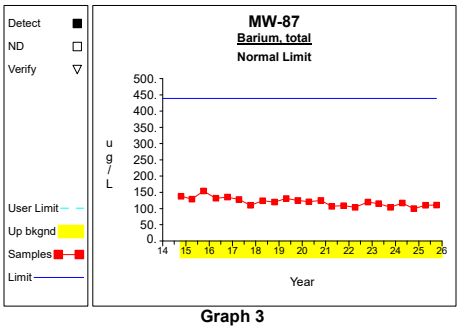
Up vs. Down Prediction Limits



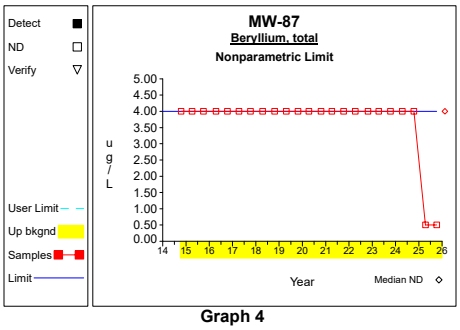
Graph 1



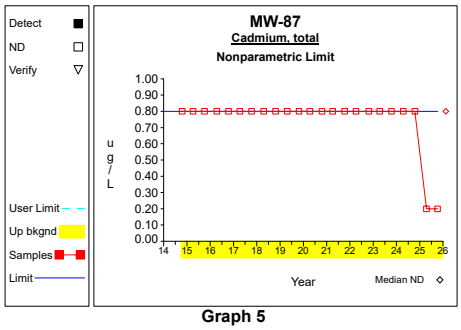
Graph 2



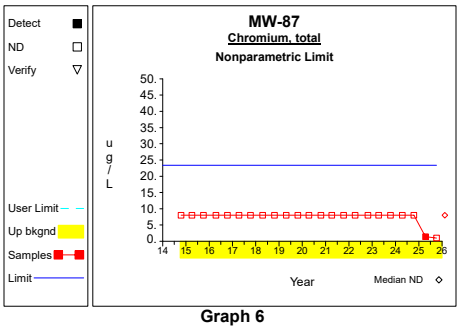
Graph 3



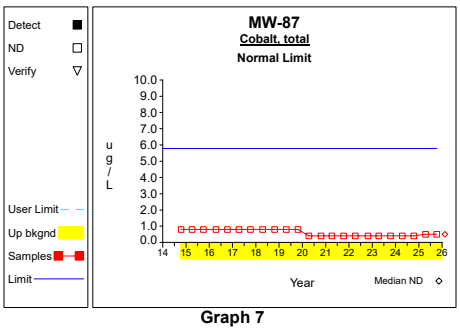
Graph 4



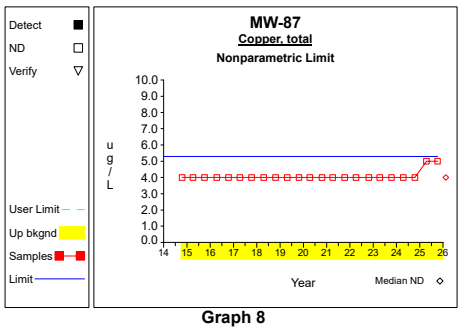
Graph 5



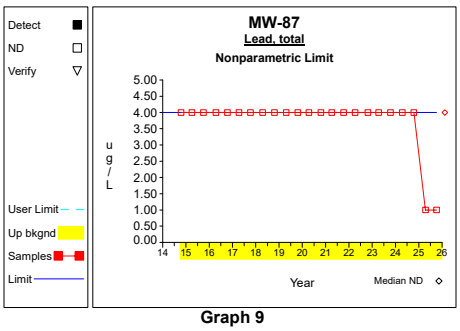
Graph 6



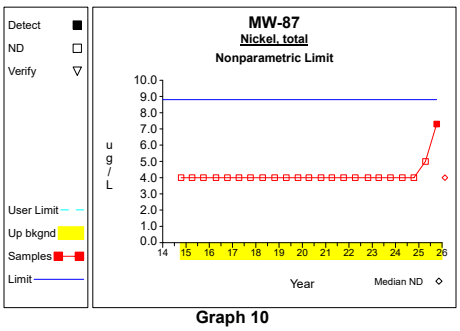
Graph 7



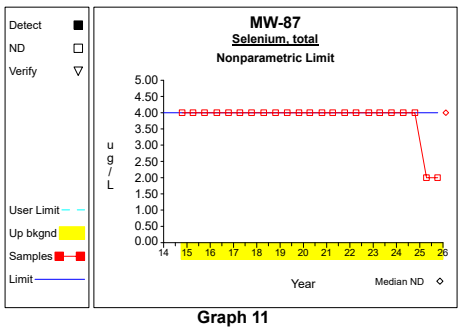
Graph 8



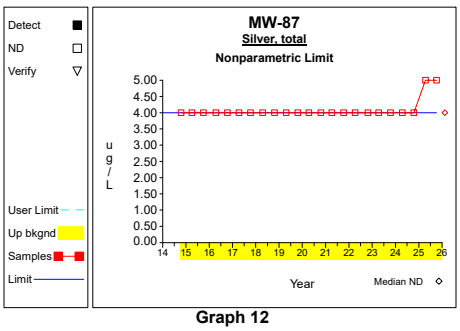
Graph 9



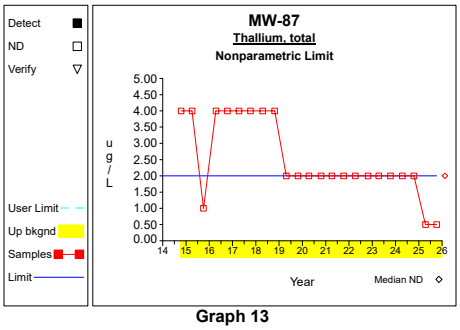
Graph 10



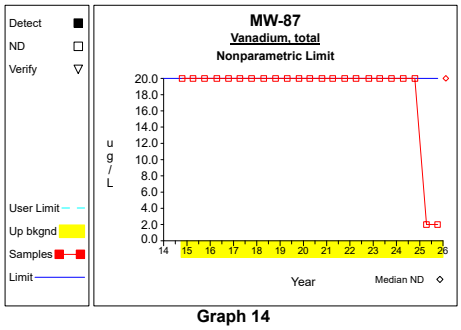
Graph 11



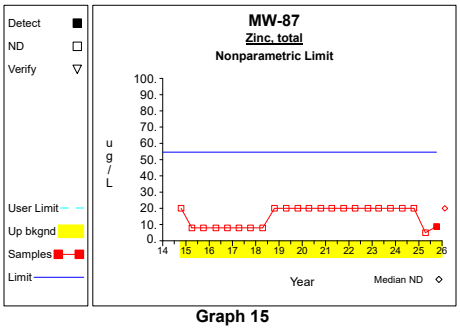
Graph 12



Graph 13



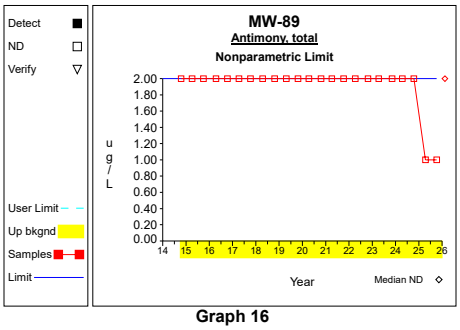
Graph 14



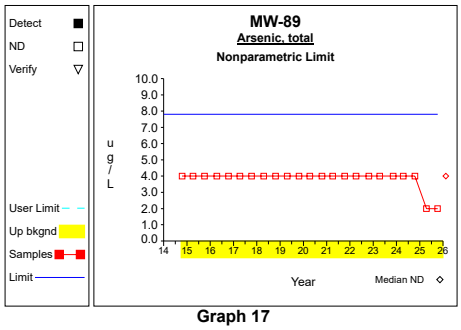
Graph 15

Prepared by: Otter Creek Environmental

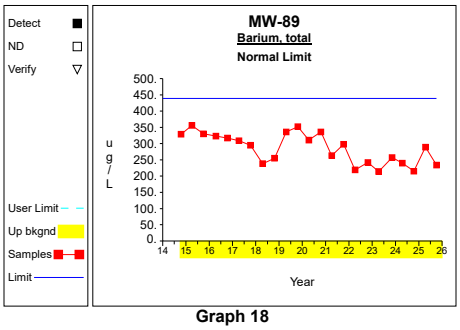
Up vs. Down Prediction Limits



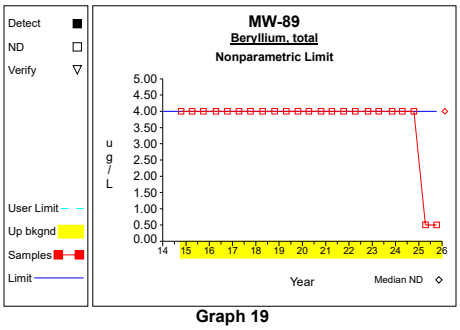
Graph 16



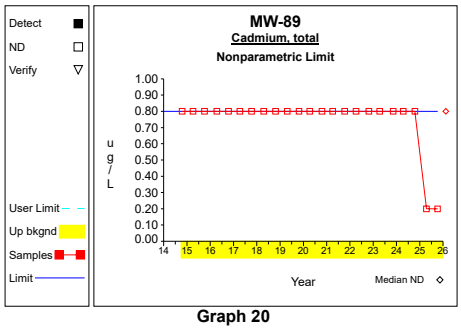
Graph 17



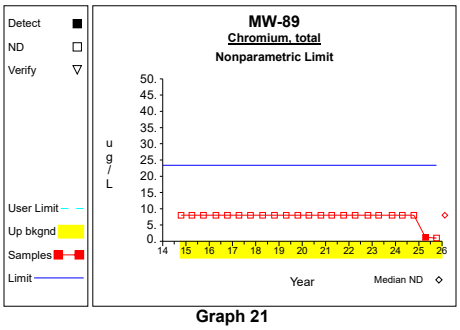
Graph 18



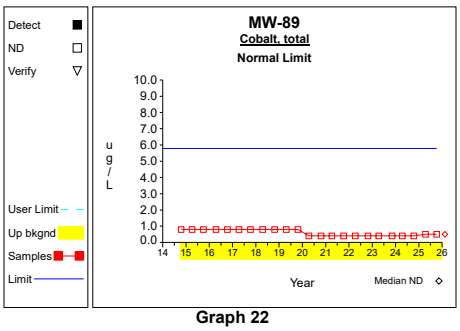
Graph 19



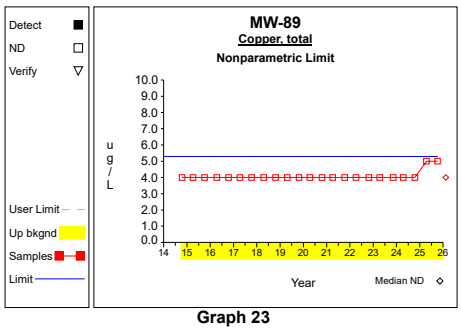
Graph 20



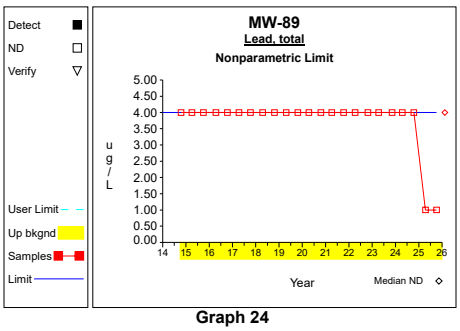
Graph 21



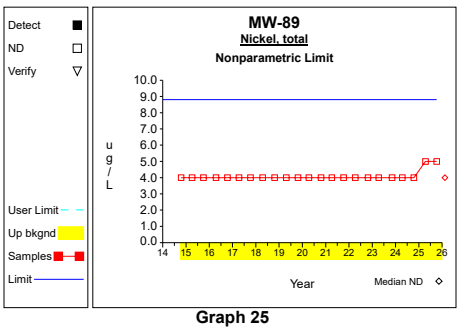
Graph 22



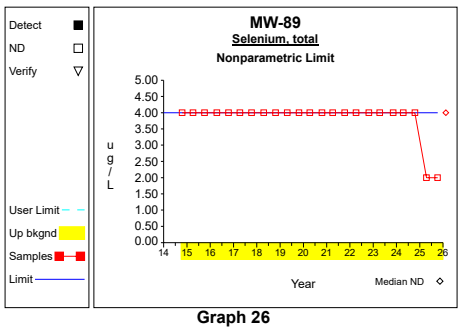
Graph 23



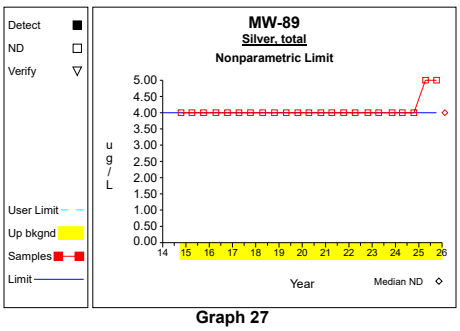
Graph 24



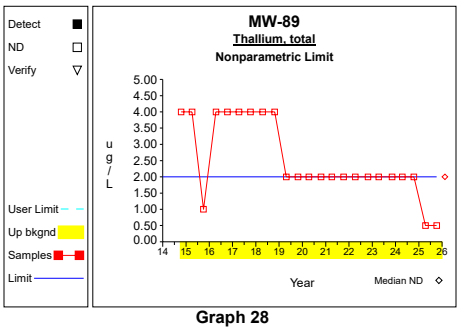
Graph 25



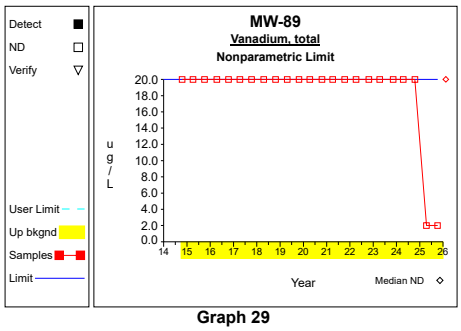
Graph 26



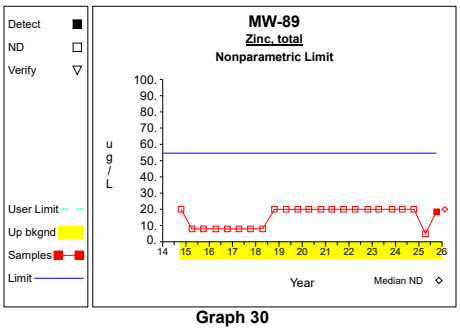
Graph 27



Graph 28



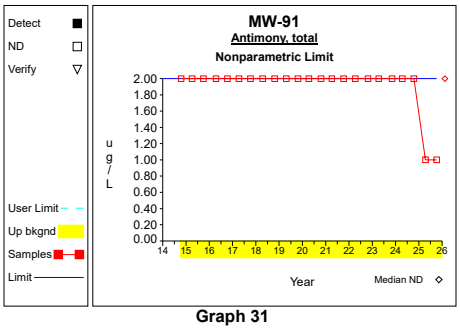
Graph 29



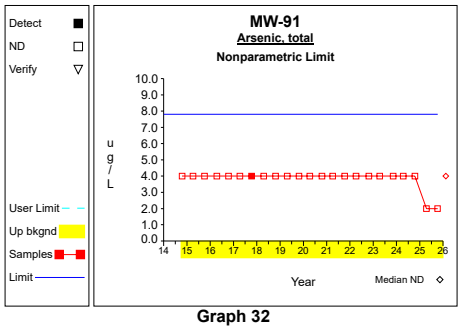
Graph 30

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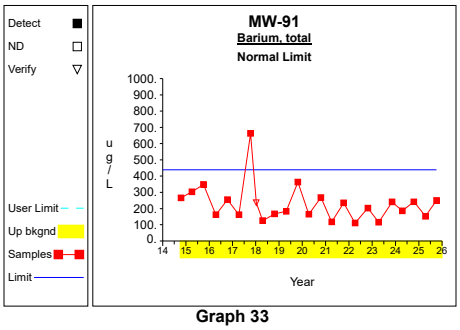
Up vs. Down Prediction Limits



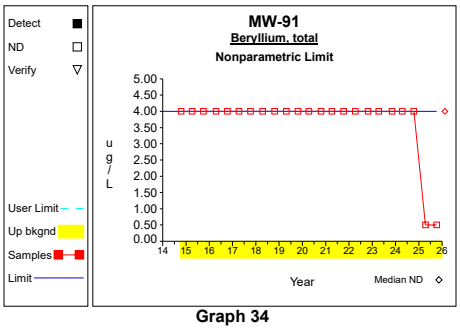
Graph 31



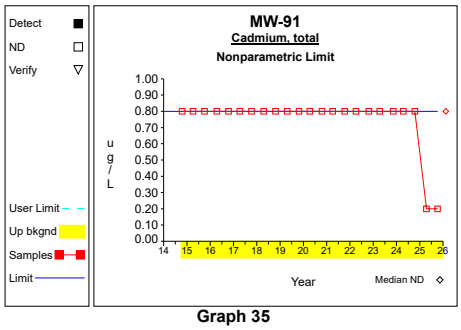
Graph 32



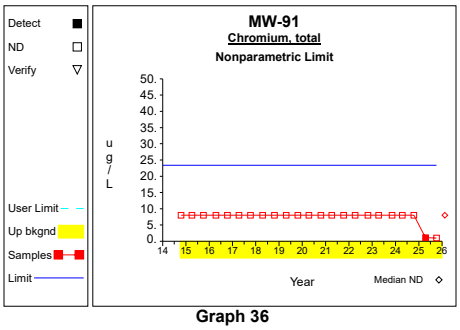
Graph 33



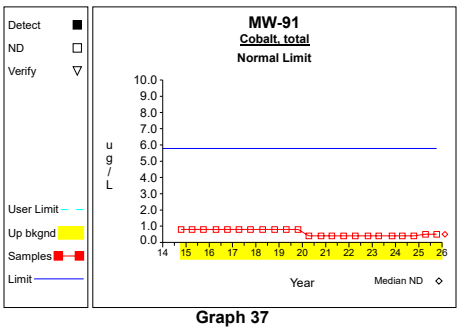
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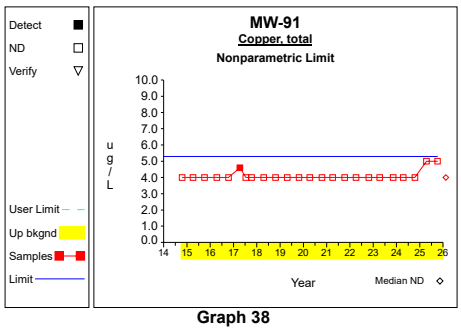
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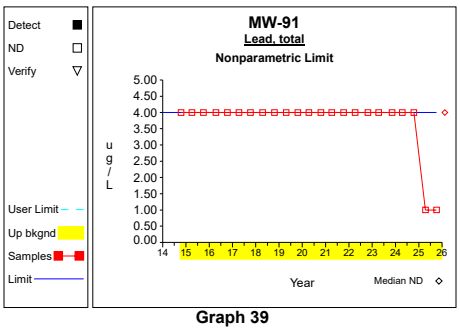
Graph 36



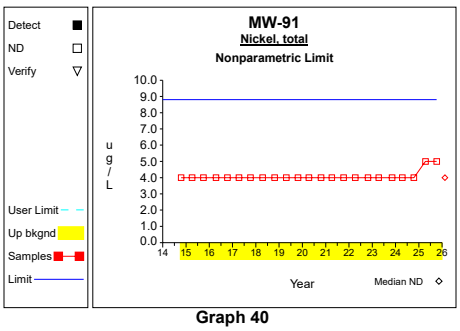
Graph 37



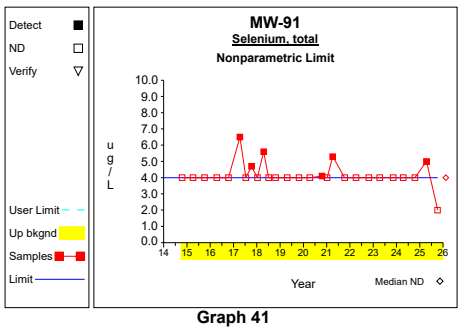
Graph 38



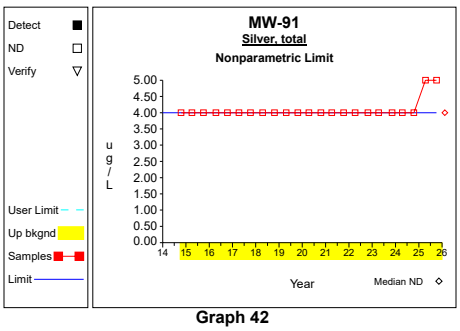
Graph 39



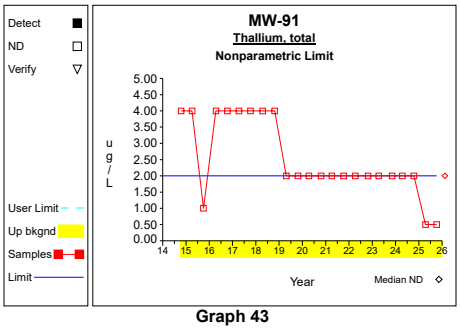
Graph 40



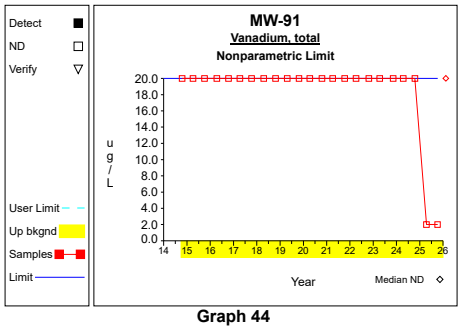
Graph 41



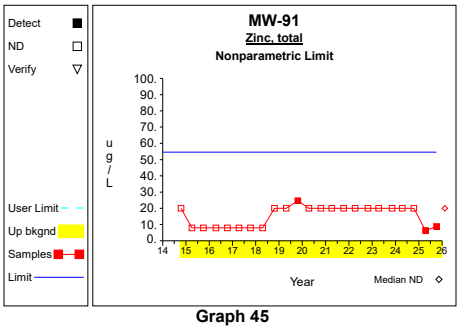
Graph 42



Graph 43



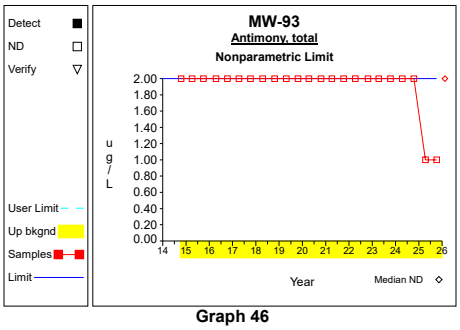
Graph 44



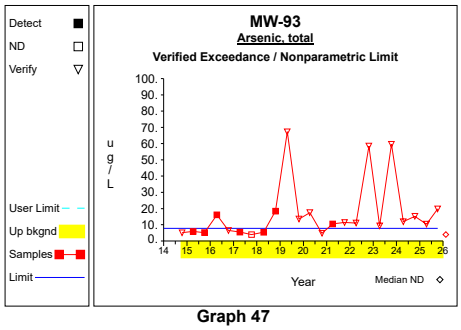
Graph 45

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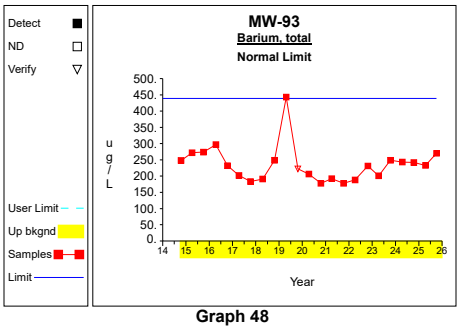
Up vs. Down Prediction Limits



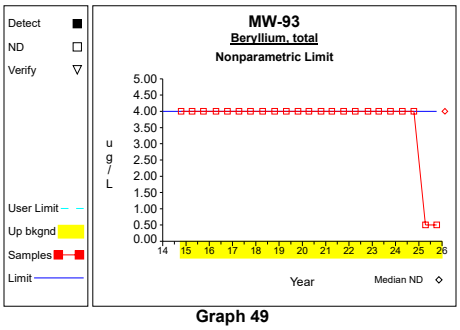
Graph 46



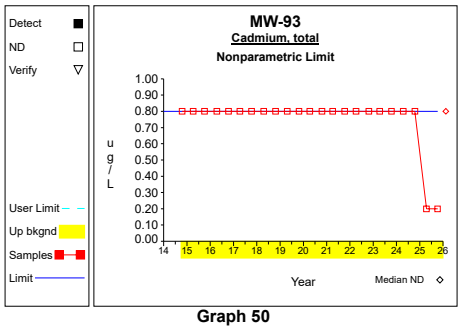
Graph 47



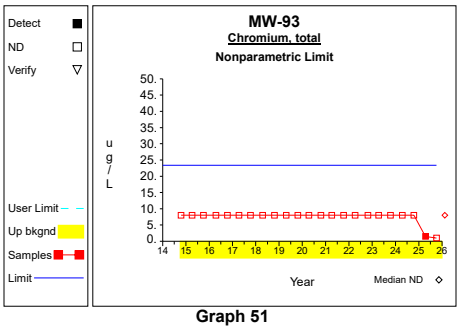
Graph 48



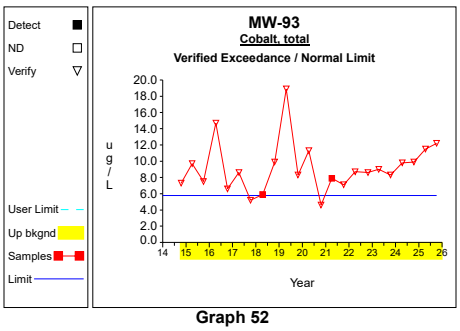
Graph 49



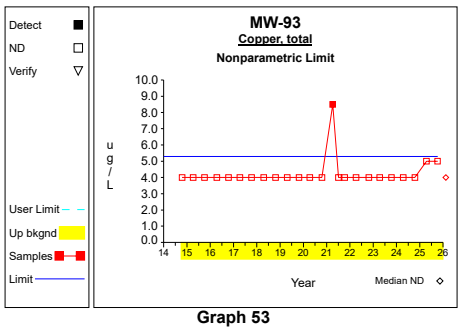
Graph 50



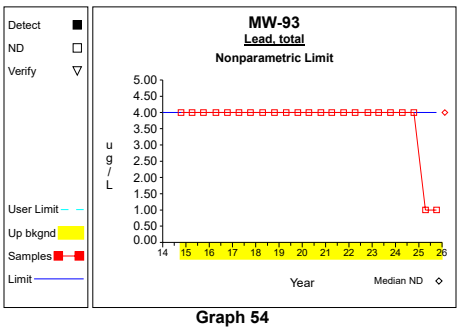
Graph 51



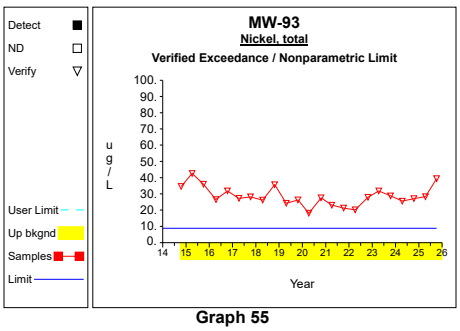
Graph 52



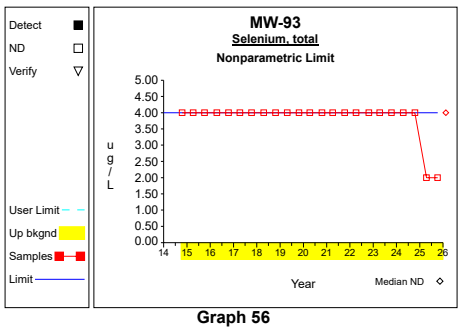
Graph 53



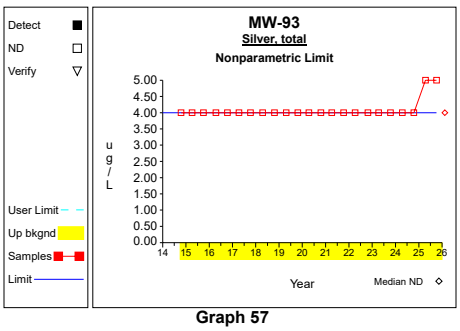
Graph 54



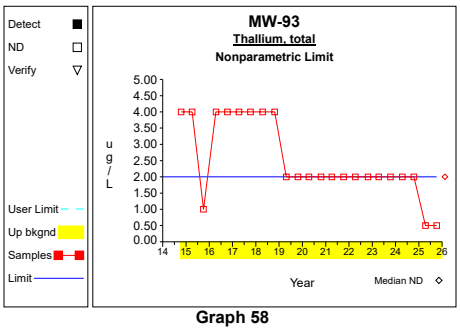
Graph 55



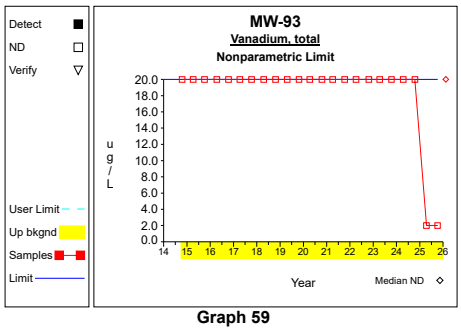
Graph 56



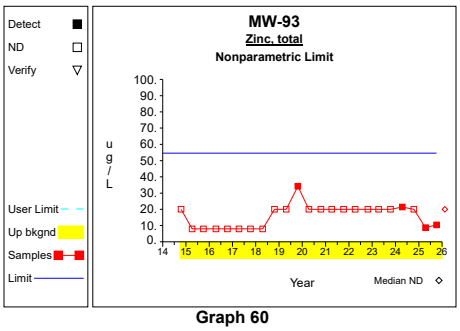
Graph 57



Graph 58



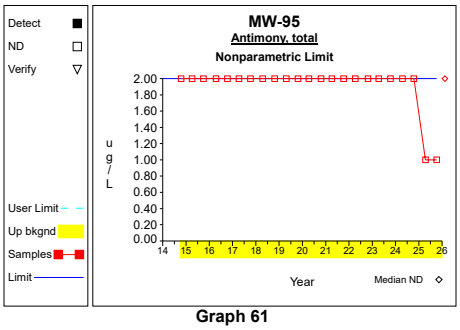
Graph 59



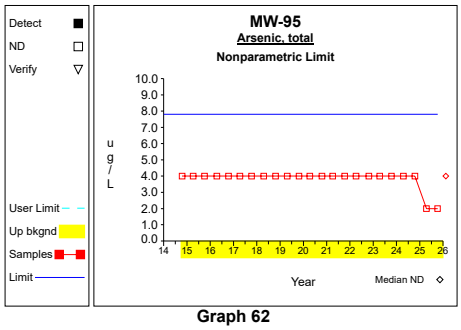
Graph 60

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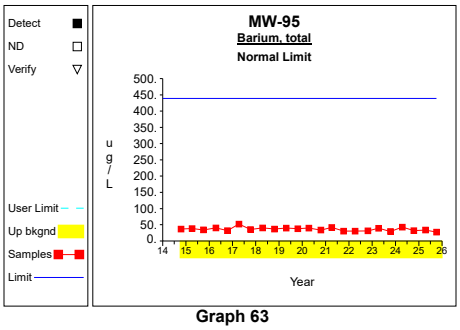
Up vs. Down Prediction Limits



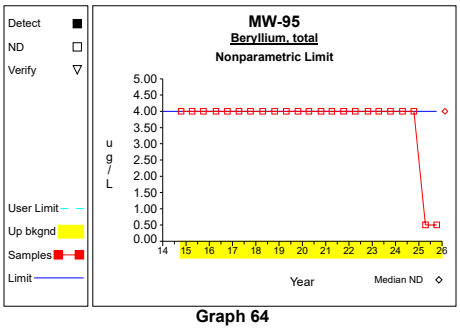
Graph 61



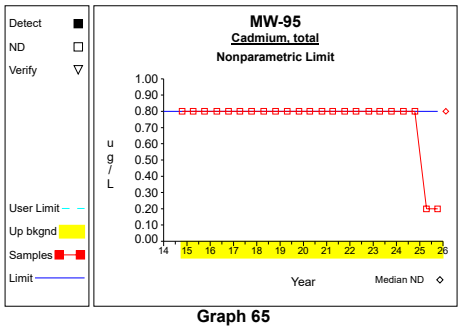
Graph 62



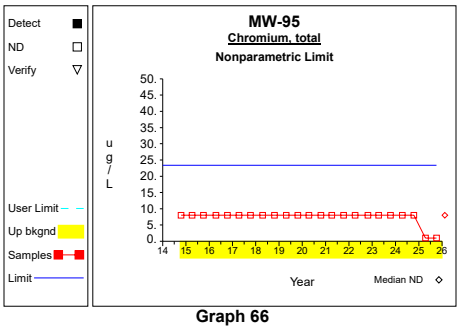
Graph 63



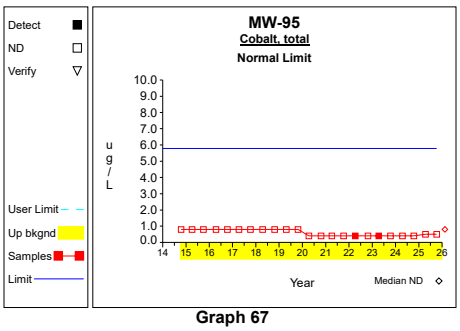
Graph 64



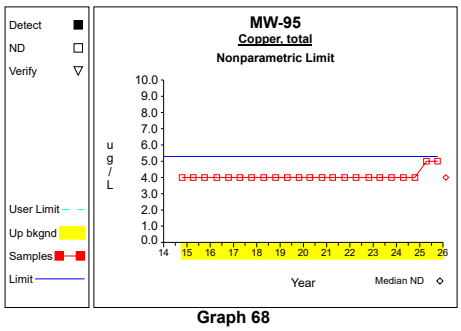
Graph 65



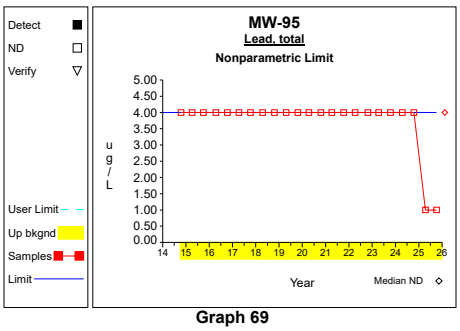
Graph 66



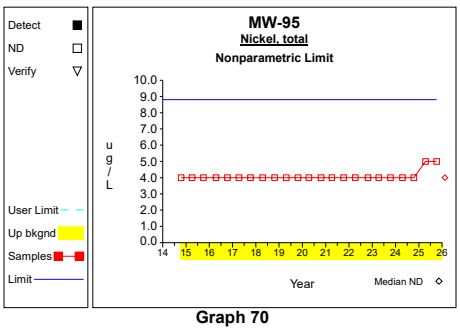
Graph 67



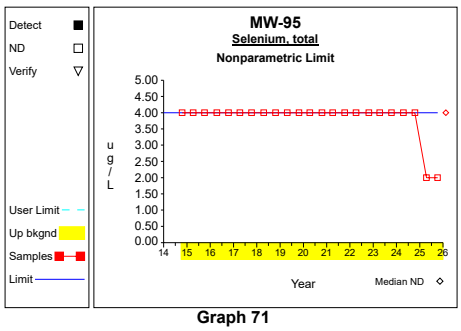
Graph 68



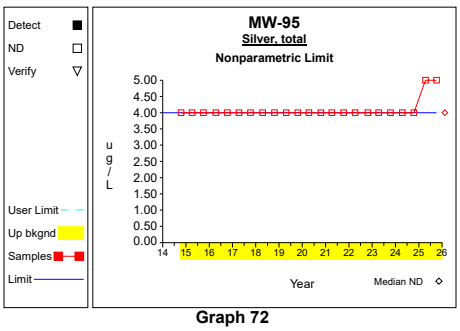
Graph 69



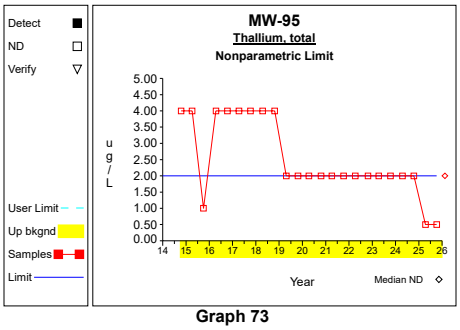
Graph 70



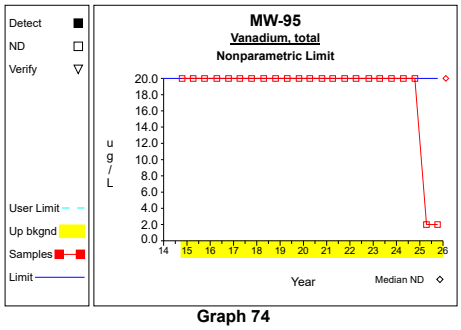
Graph 71



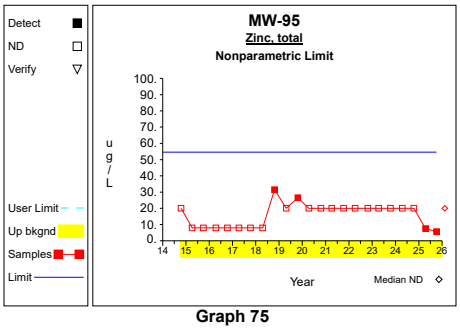
Graph 72



Graph 73



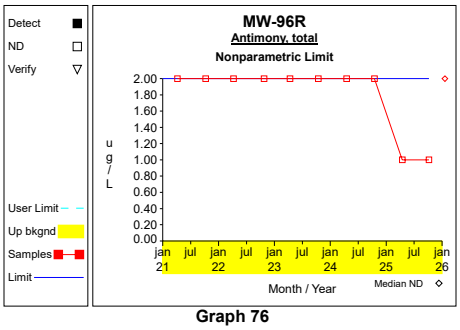
Graph 74



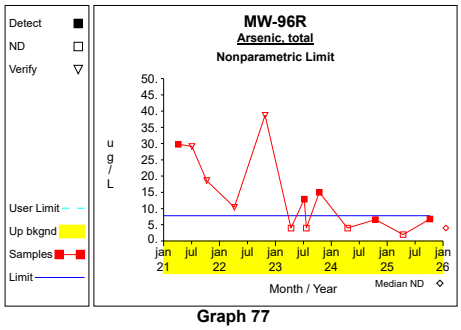
Graph 75

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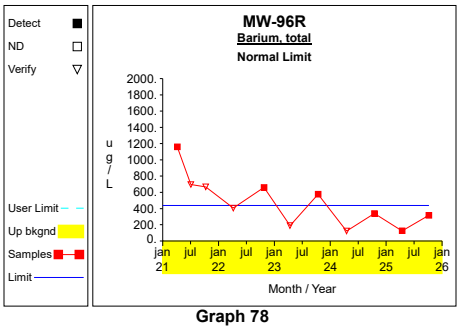
Up vs. Down Prediction Limits



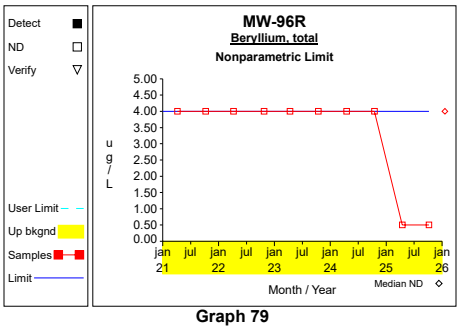
Graph 76



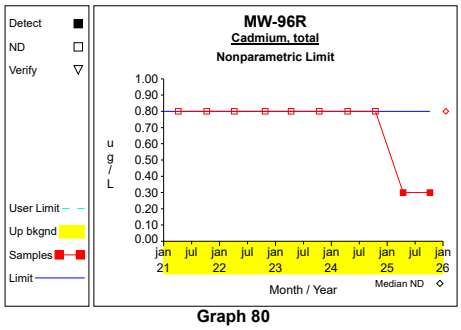
Graph 77



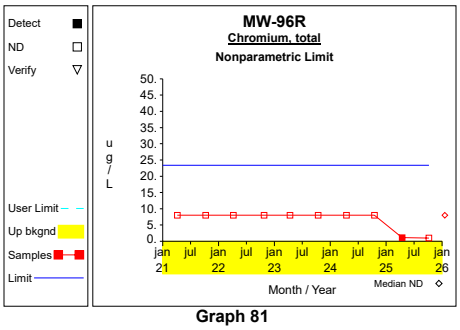
Graph 78



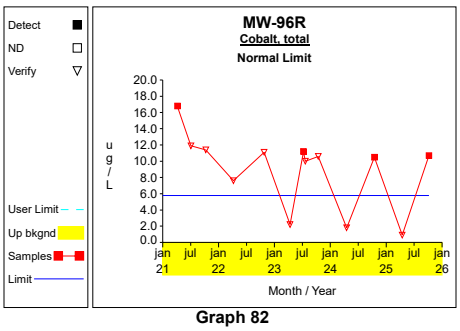
Graph 79



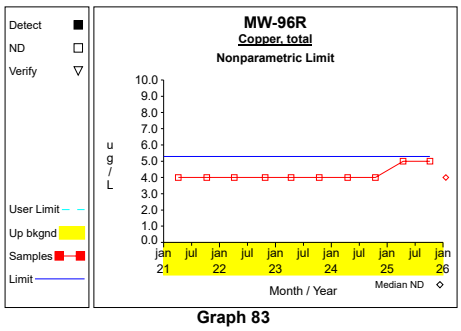
Graph 80



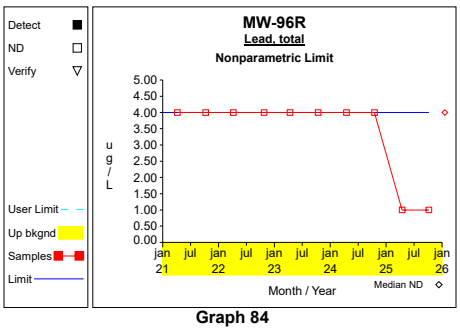
Graph 81



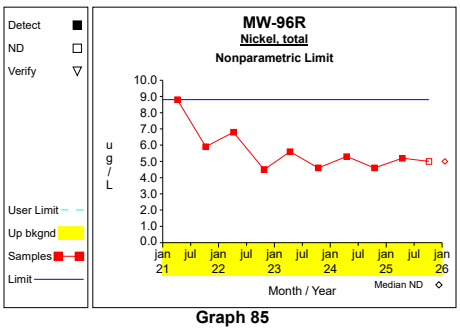
Graph 82



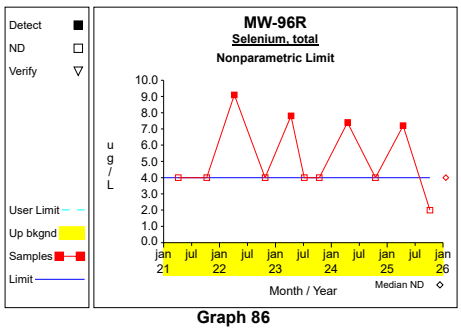
Graph 83



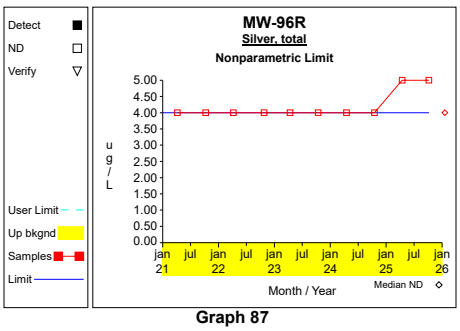
Graph 84



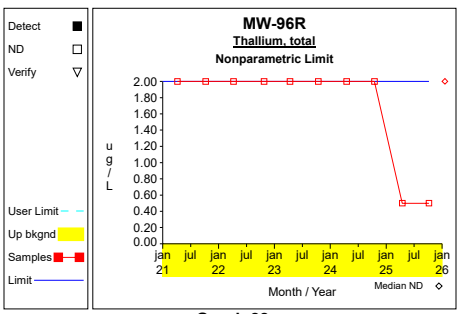
Graph 85



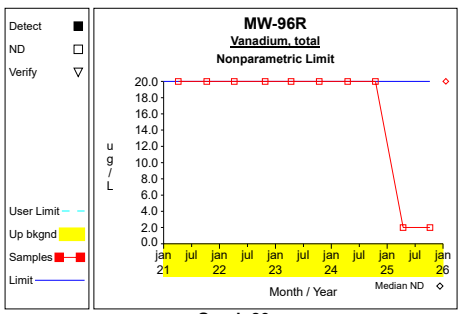
Graph 86



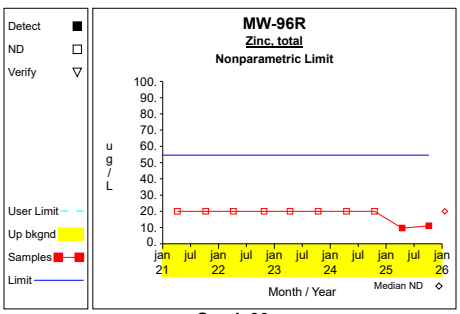
Graph 87



Graph 88



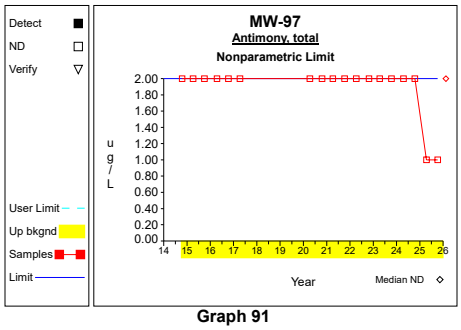
Graph 89



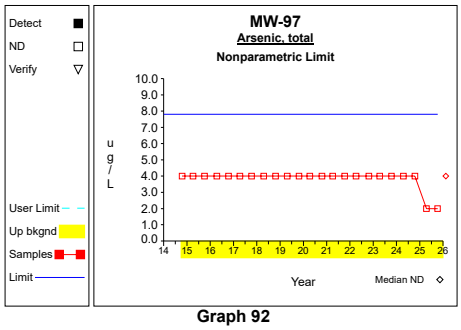
Graph 90

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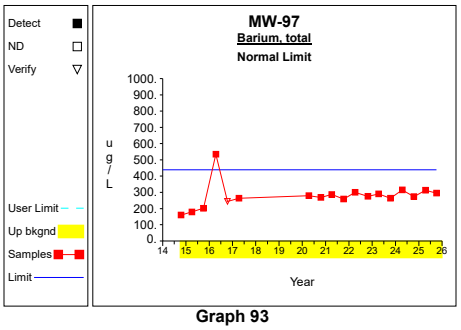
Up vs. Down Prediction Limits



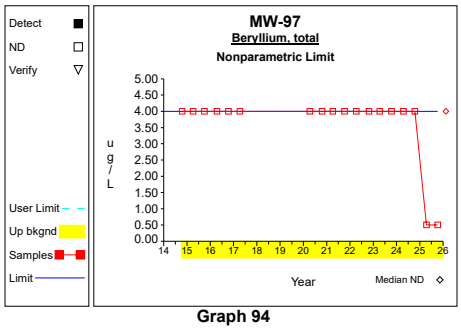
Graph 91



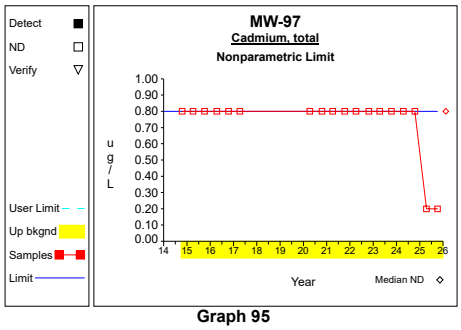
Graph 92



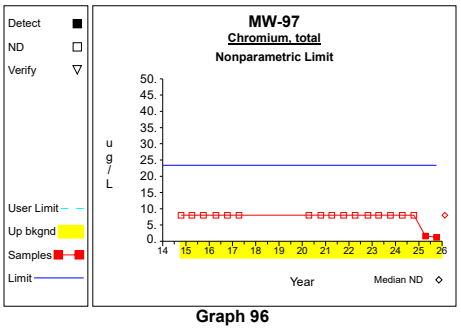
Graph 93



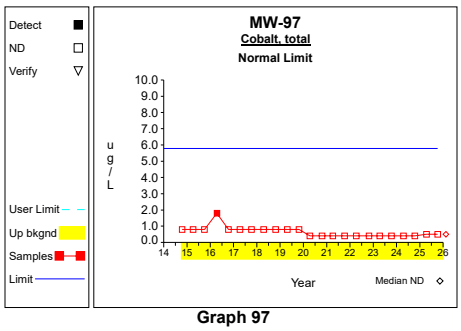
Graph 94



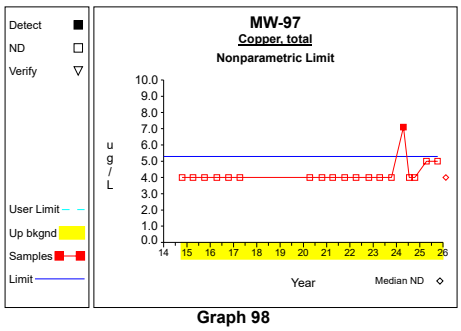
Graph 95



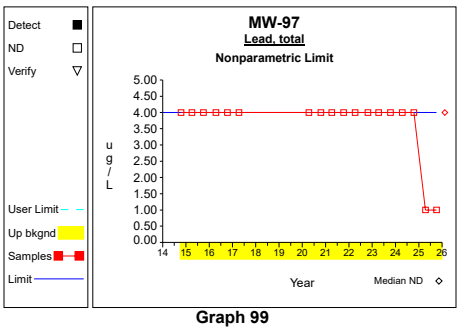
Graph 96



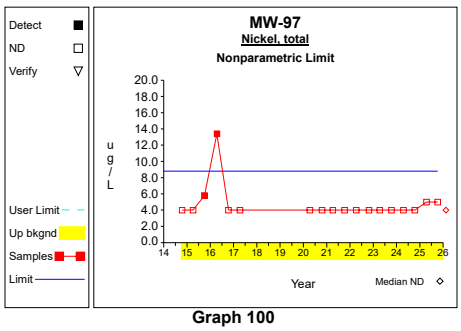
Graph 97



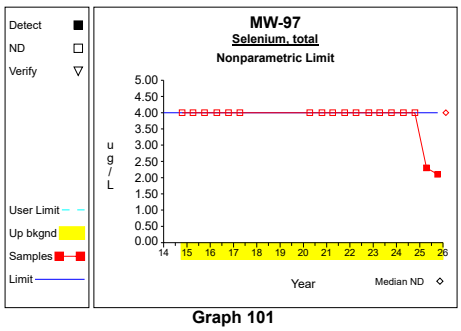
Graph 98



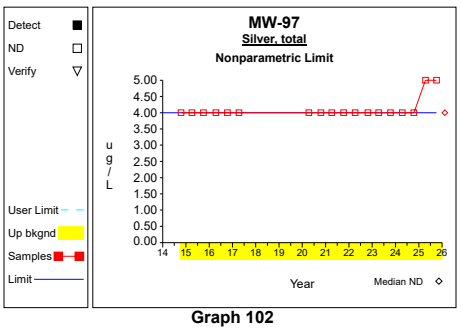
Graph 99



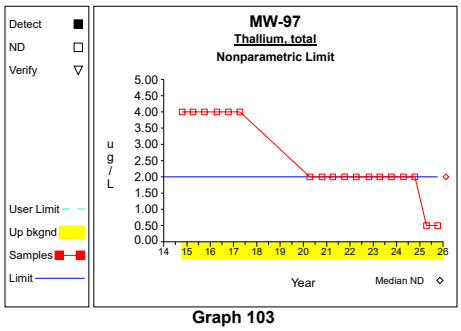
Graph 100



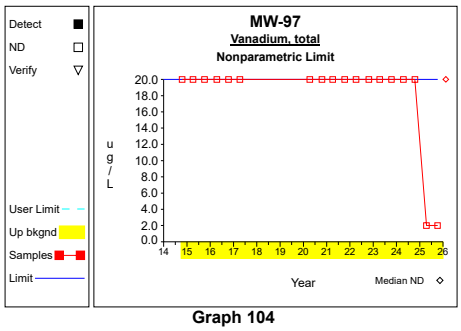
Graph 101



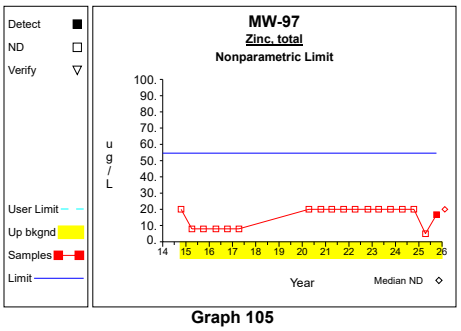
Graph 102



Graph 103



Graph 104

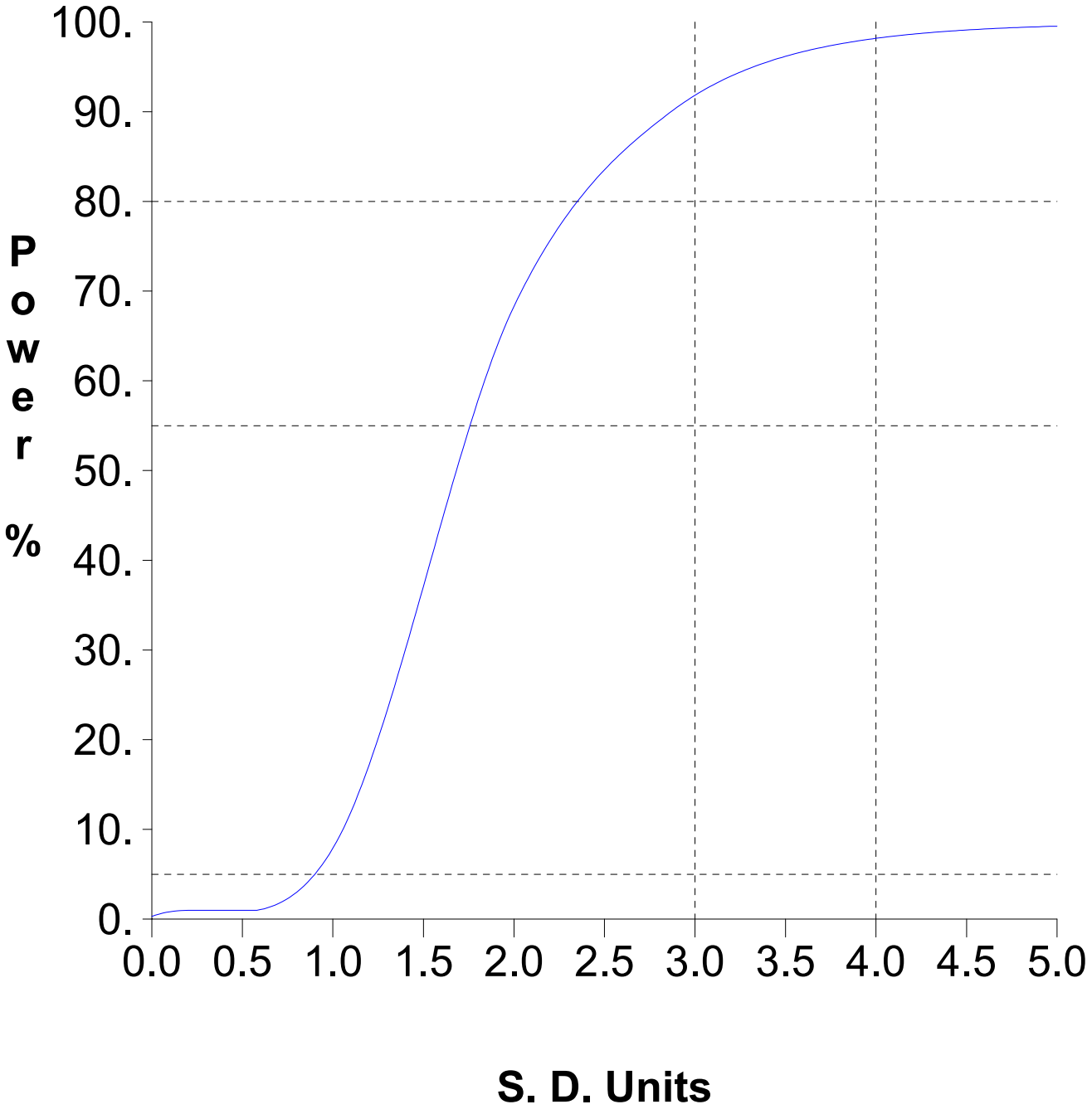


Graph 105

Prepared by: Otter Creek Environmental

False Positive and False Negative Rates for Current

Upgradient vs. Downgradient Monitoring Program



Attachment C

Assessment Statistics for Trace Metals

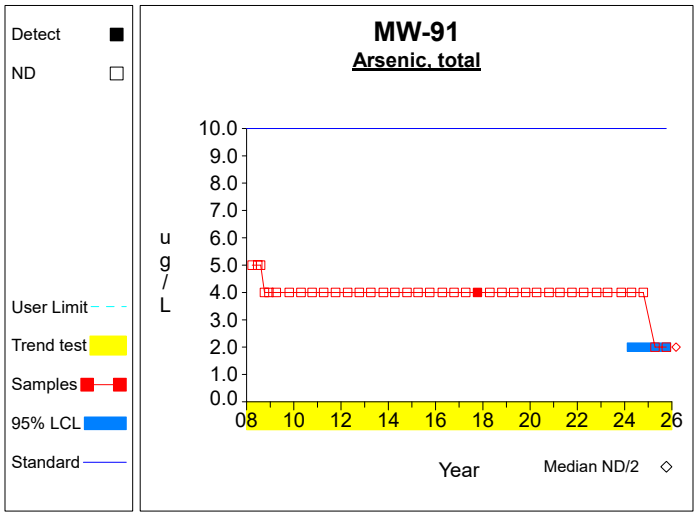
Table 1

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

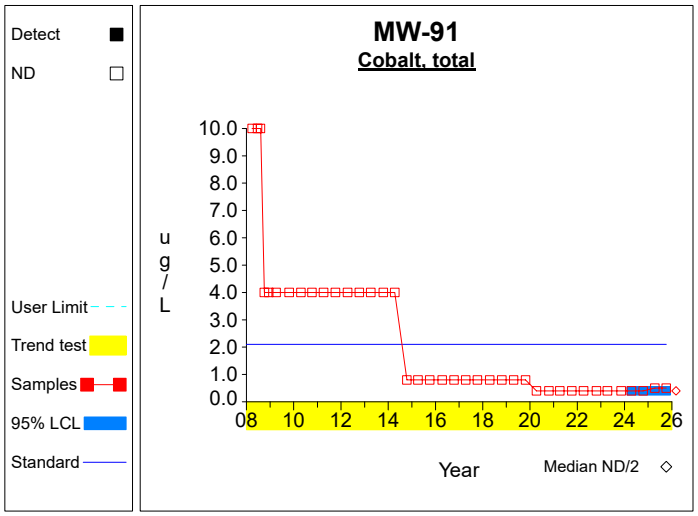
Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-91	4	2.000	0.000	1.176	2.000	2.000	10.000		
Cobalt, total	ug/L	MW-91	4	0.400	0.000	1.176	0.400	0.400	2.100		
Nickel, total	ug/L	MW-91	4	2.000	0.000	1.176	2.000	2.000	100.000		
Selenium, total	ug/L	MW-91	4	2.750	1.500	1.176	0.986	4.514	50.000		
Arsenic, total	ug/L	MW-93	4	14.325	4.164	1.176	9.426	19.224	10.000		
Cobalt, total	ug/L	MW-93	4	10.850	1.190	1.176	9.450	12.250	2.100		**
Nickel, total	ug/L	MW-93	4	30.075	6.322	1.176	22.639	37.511	100.000		
Selenium, total	ug/L	MW-93	4	2.000	0.000	1.176	2.000	2.000	50.000		
Arsenic, total	ug/L	MW-96R	4	4.350	2.715	1.176	1.157	7.543	10.000		
Cobalt, total	ug/L	MW-96R	4	5.975	5.354	1.176	0.000	12.273	2.100		
Nickel, total	ug/L	MW-96R	4	4.400	1.304	1.176	2.866	5.934	100.000		
Selenium, total	ug/L	MW-96R	4	4.650	3.061	1.176	1.049	8.251	50.000		

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

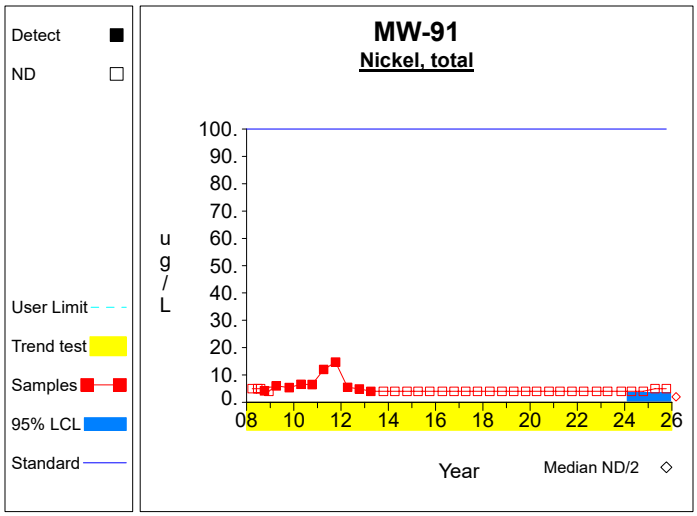
Confidence Limits (Assessment)



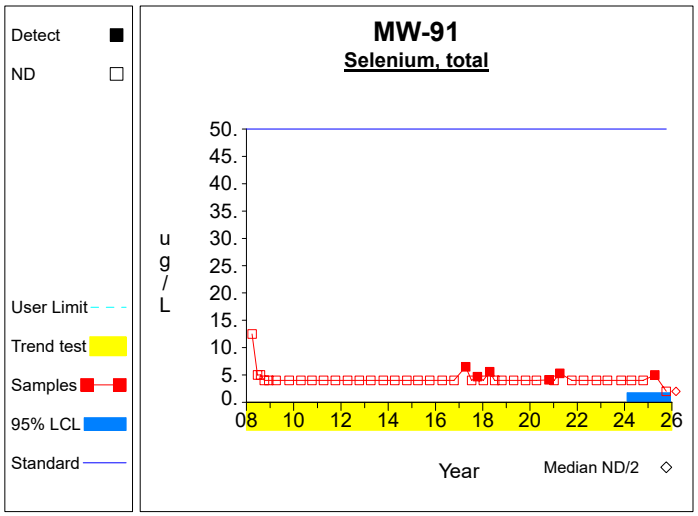
Graph 1



Graph 2

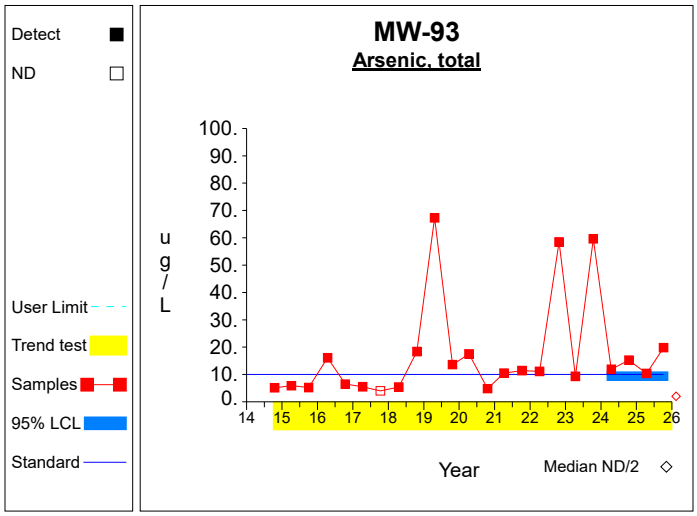


Graph 3

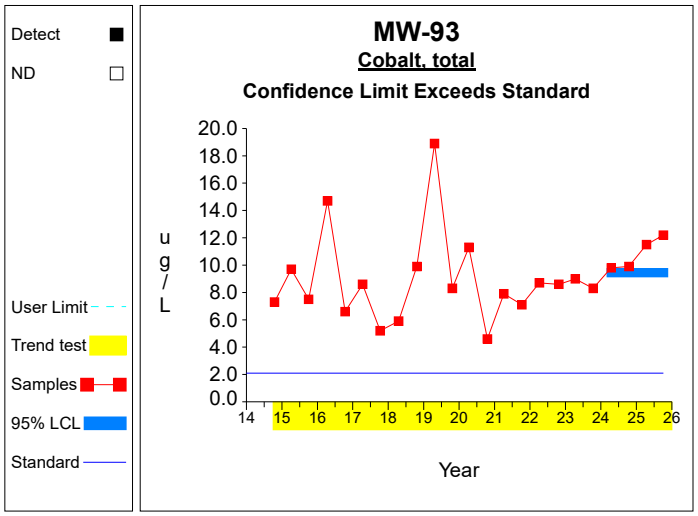


Graph 4

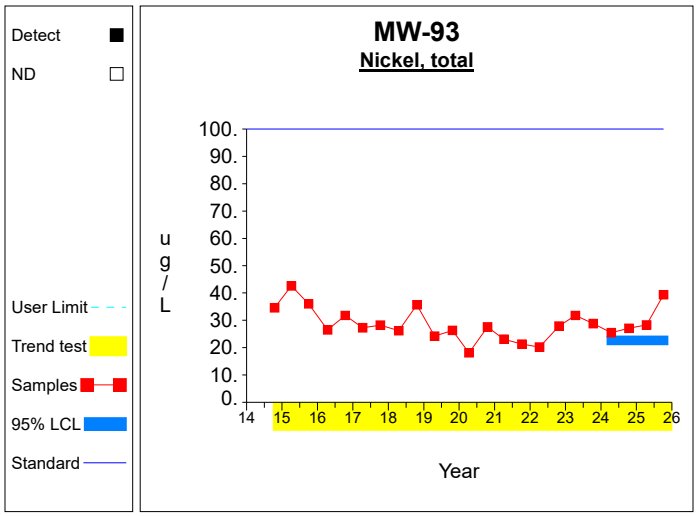
Confidence Limits (Assessment)



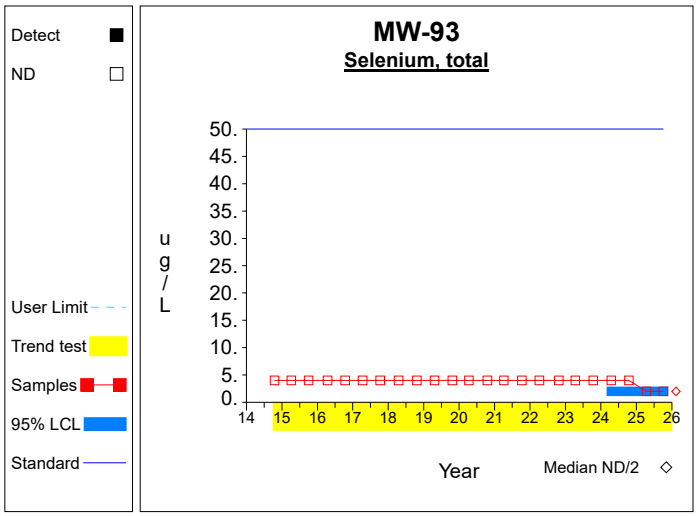
Graph 5



Graph 6

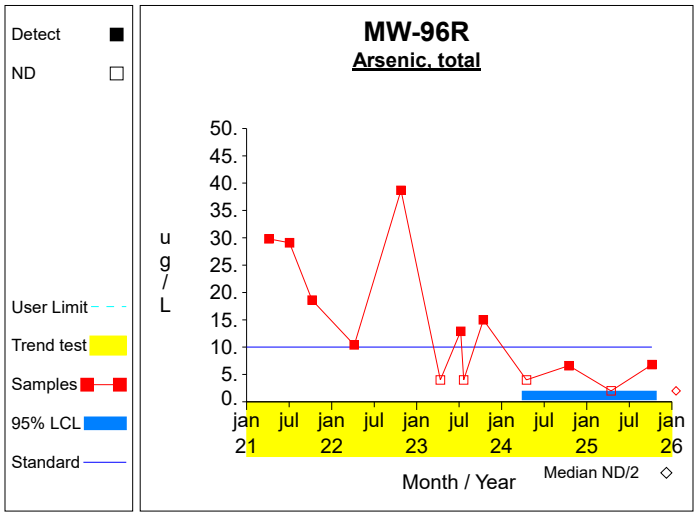


Graph 7

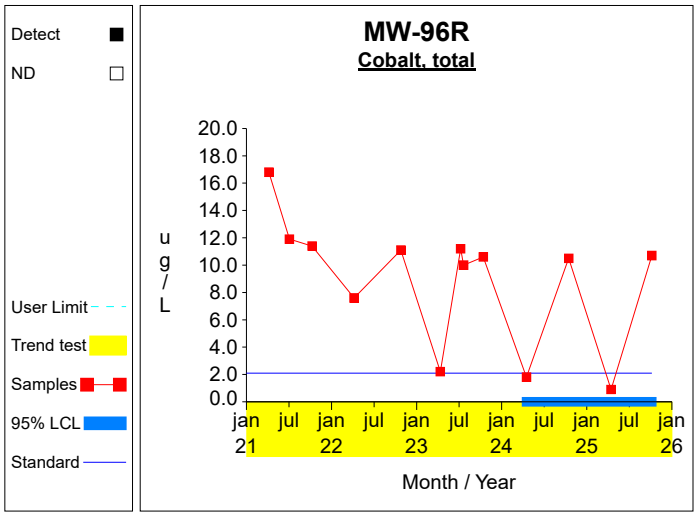


Graph 8

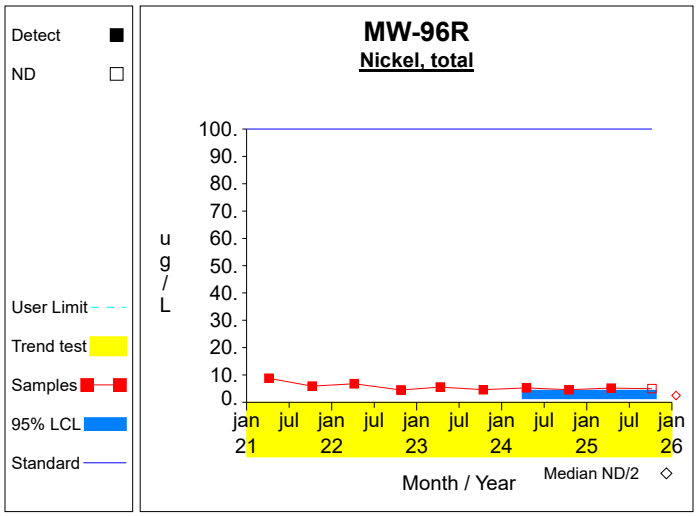
Confidence Limits (Assessment)



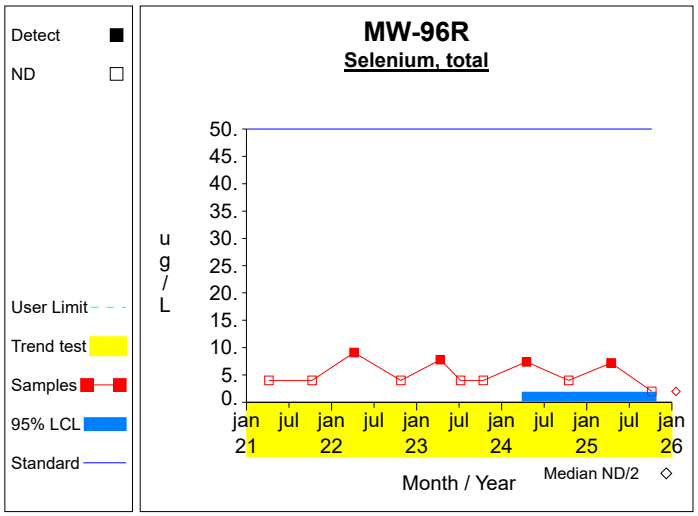
Graph 9



Graph 10



Graph 11

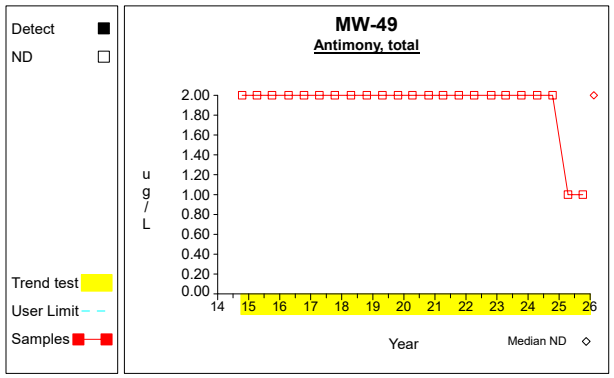


Graph 12

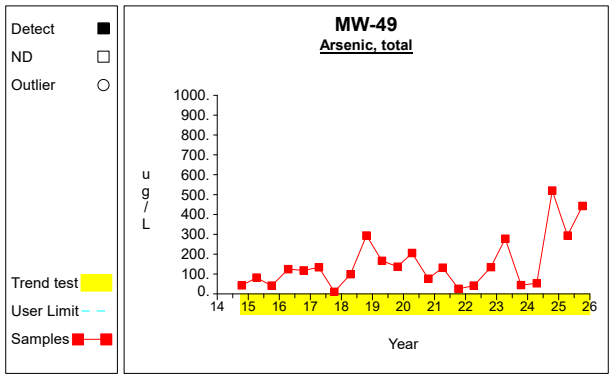
Attachment D

Supplemental Wells Time Series of Trace Metals

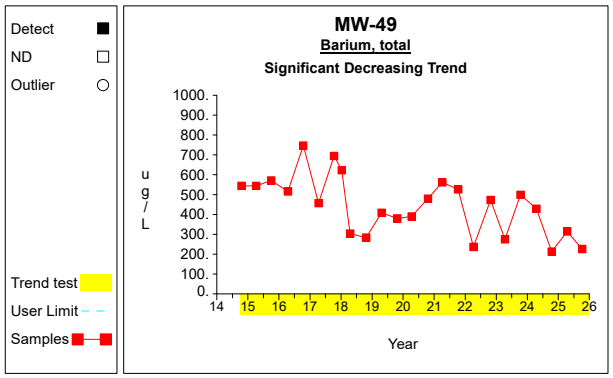
Time Series



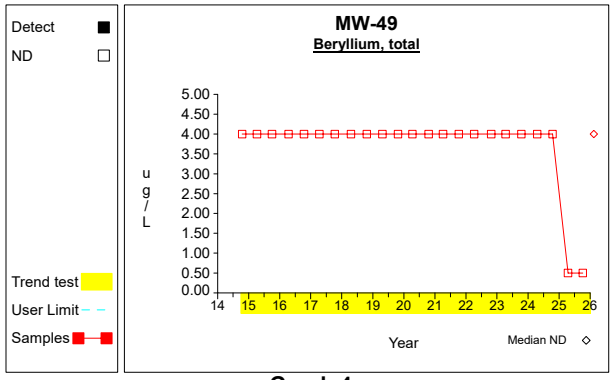
Graph 1



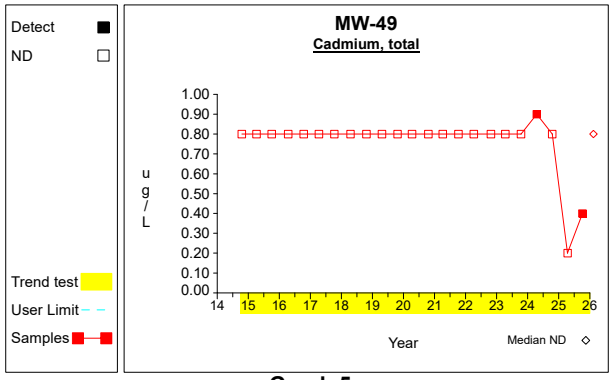
Graph 2



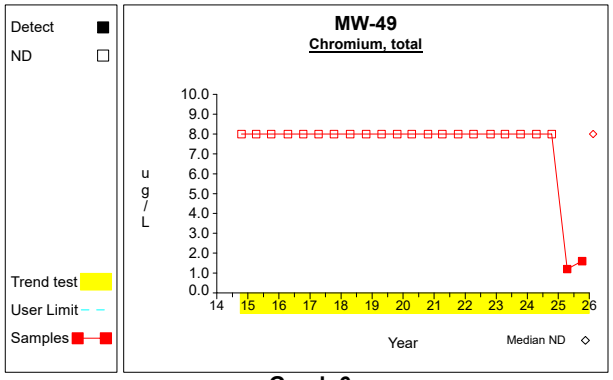
Graph 3



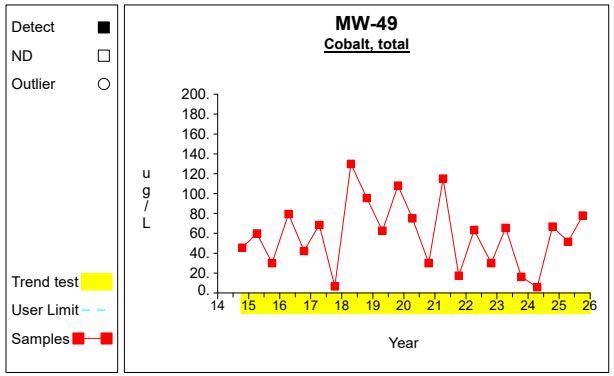
Graph 4



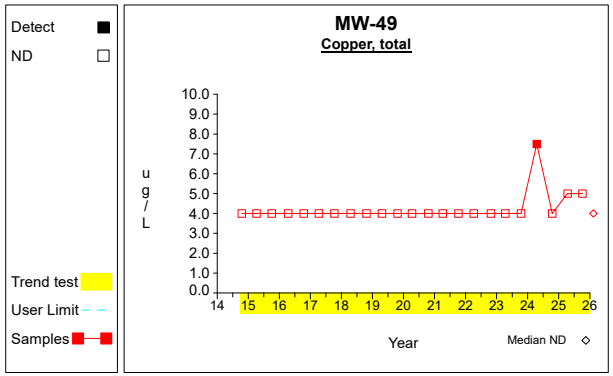
Graph 5



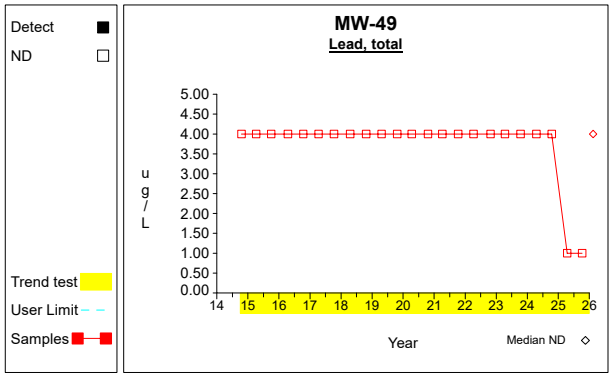
Graph 6



Graph 7



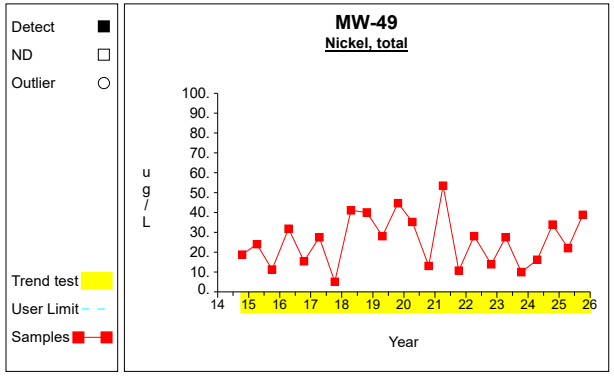
Graph 8



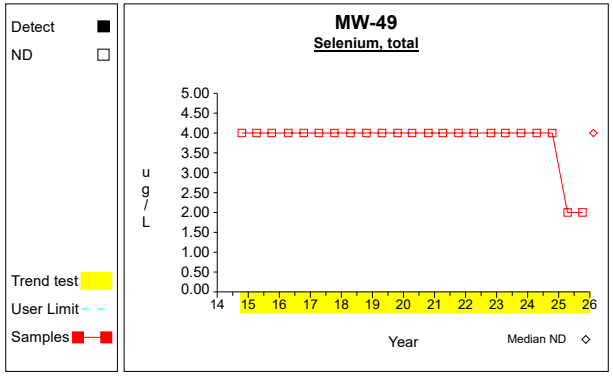
Graph 9

Prepared by: Otter Creek Environmental

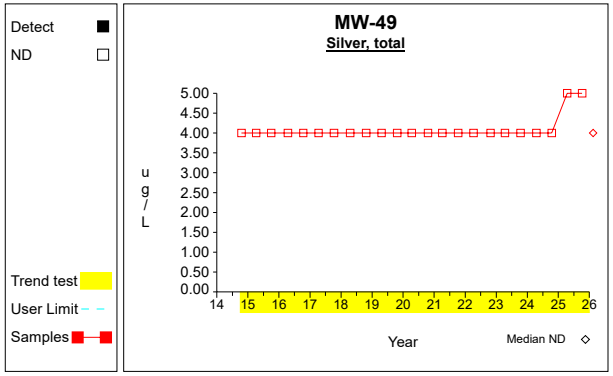
Time Series



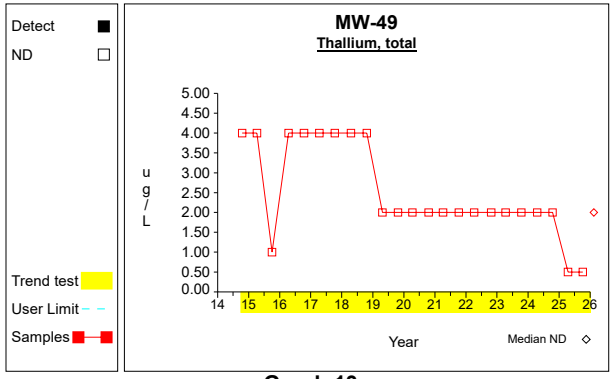
Graph 10



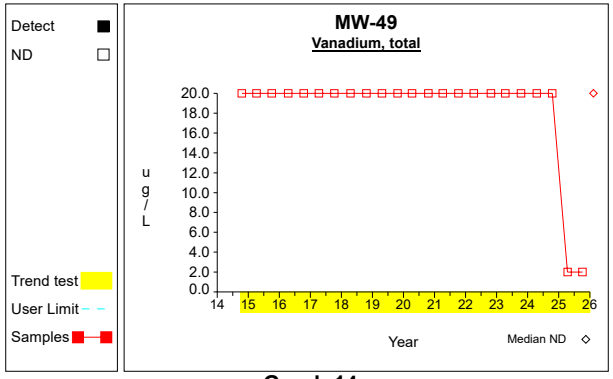
Graph 11



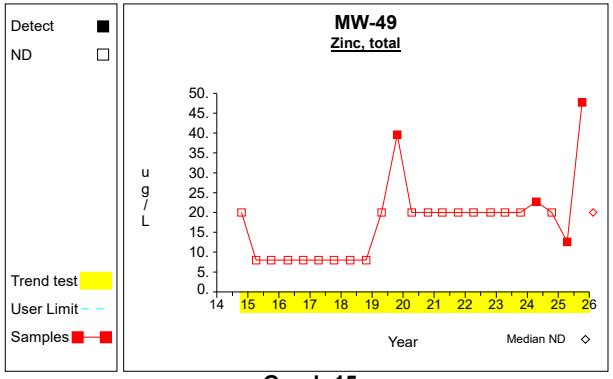
Graph 12



Graph 13

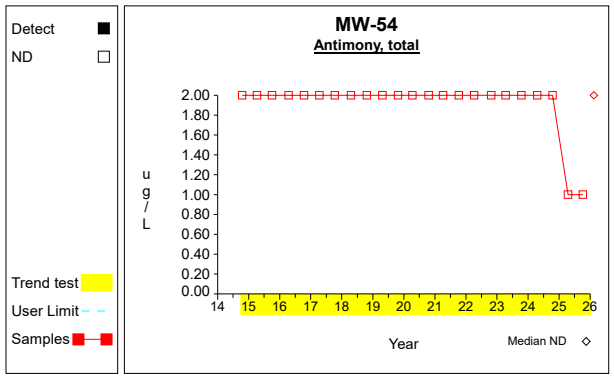


Graph 14

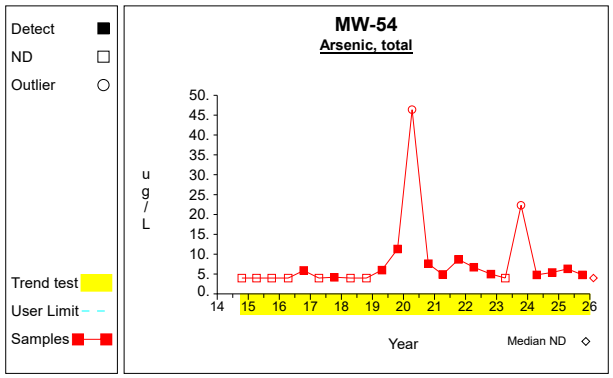


Graph 15

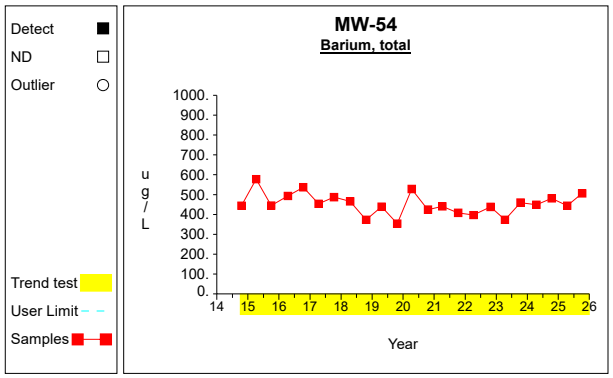
Time Series



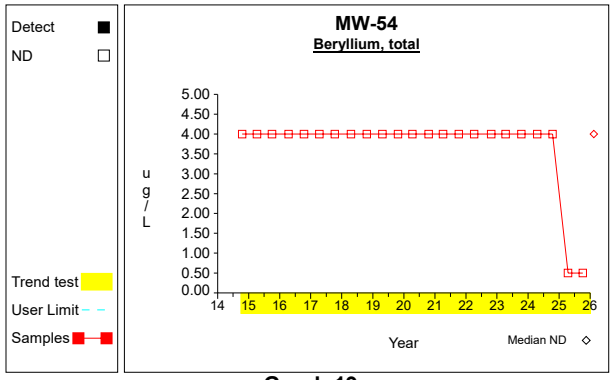
Graph 16



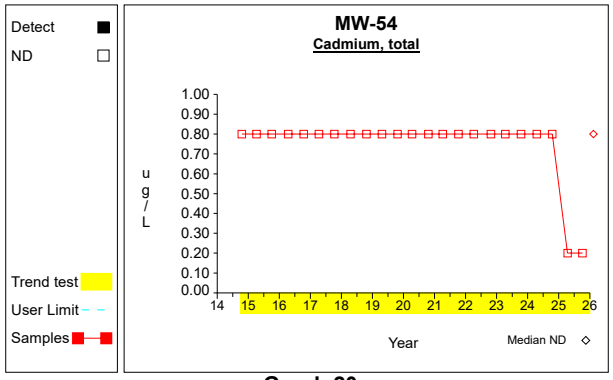
Graph 17



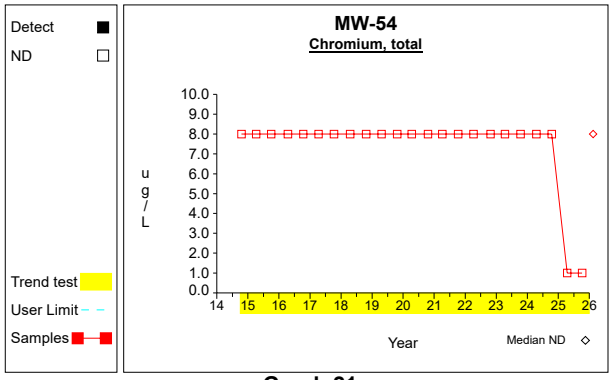
Graph 18



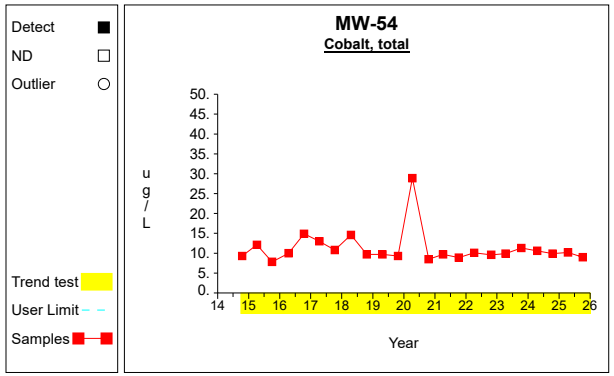
Graph 19



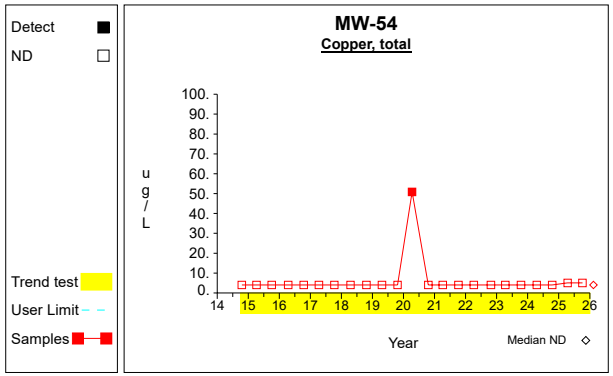
Graph 20



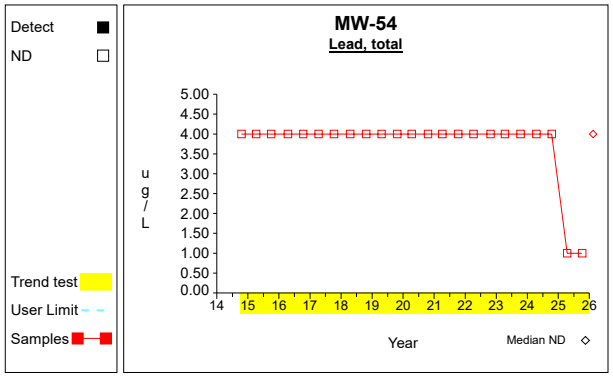
Graph 21



Graph 22



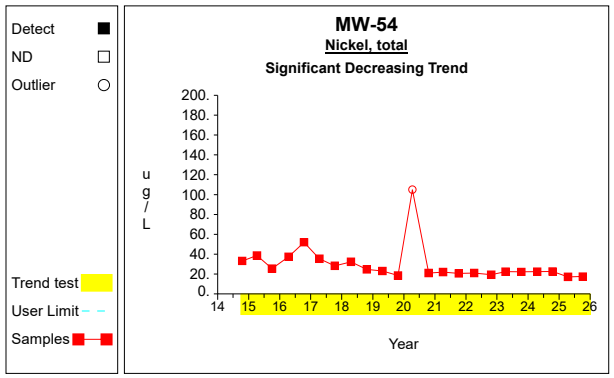
Graph 23



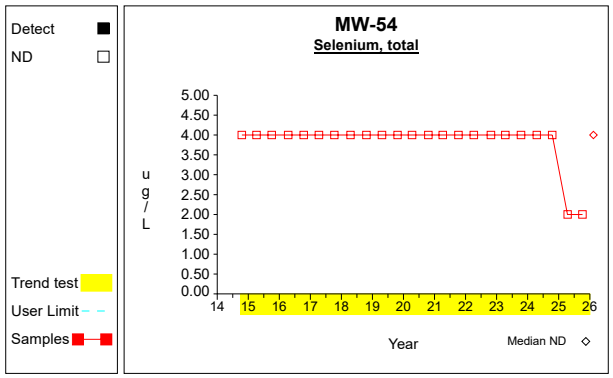
Graph 24

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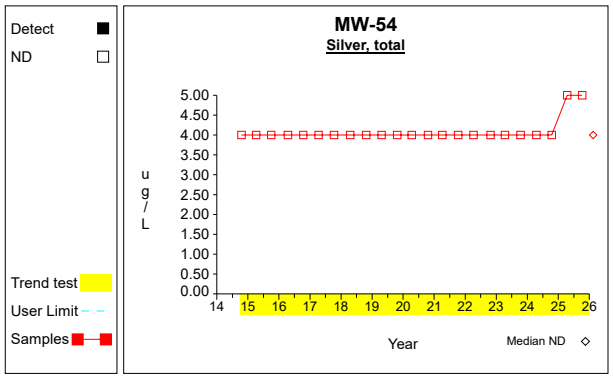
Time Series



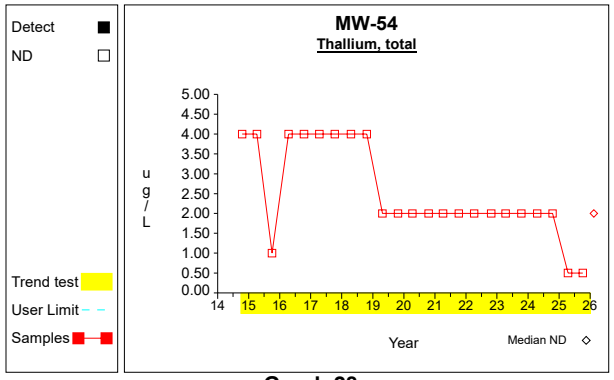
Graph 25



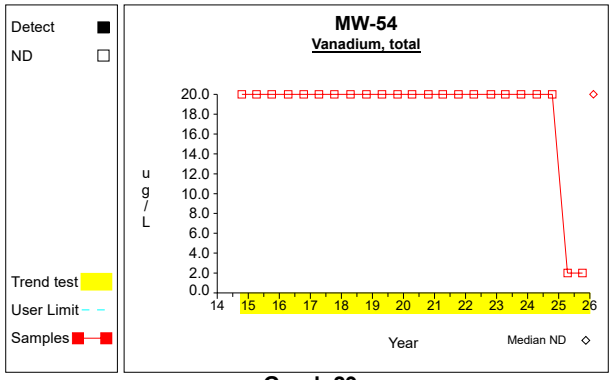
Graph 26



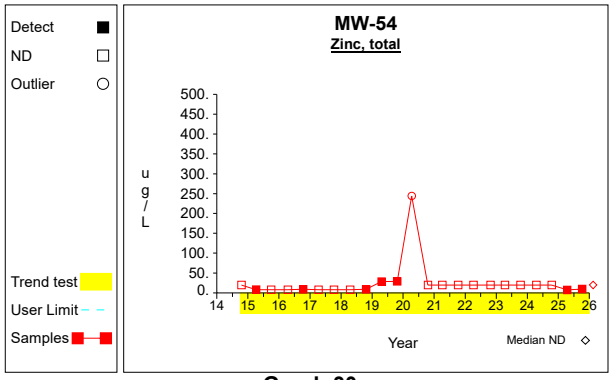
Graph 27



Graph 28

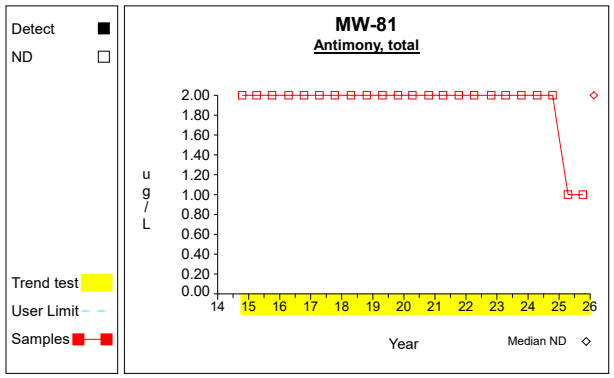


Graph 29

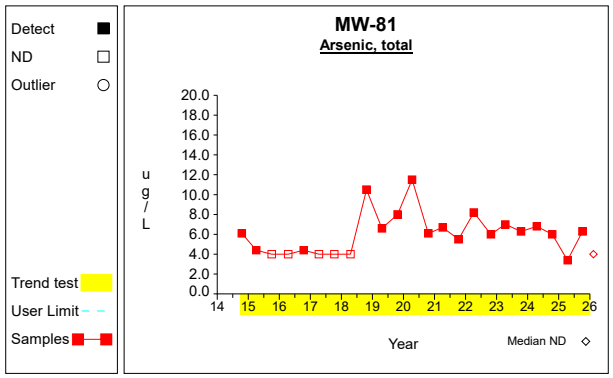


Graph 30

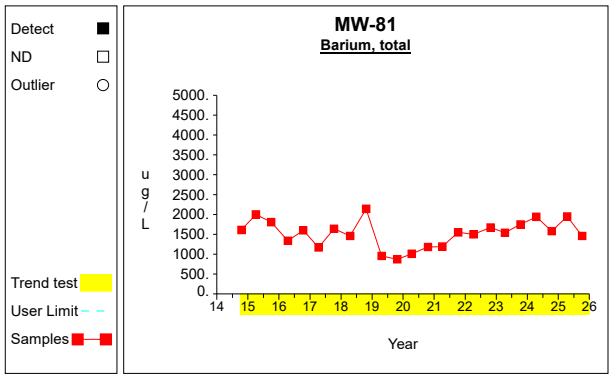
Time Series



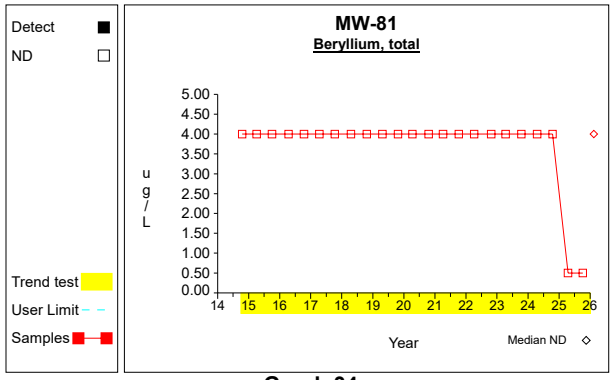
Graph 31



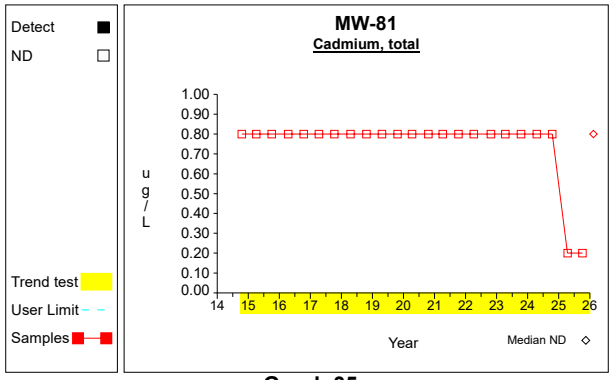
Graph 32



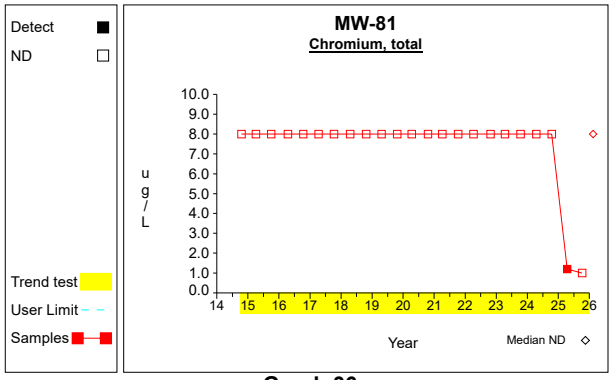
Graph 33



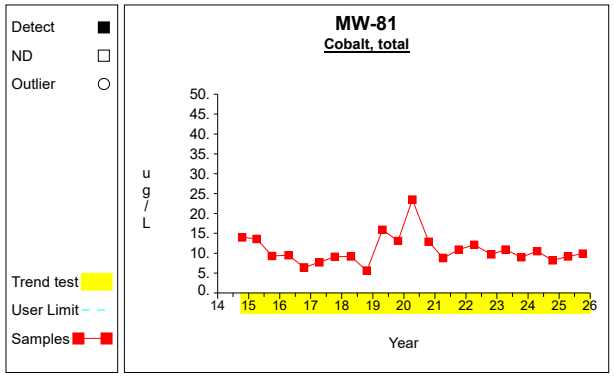
Graph 34



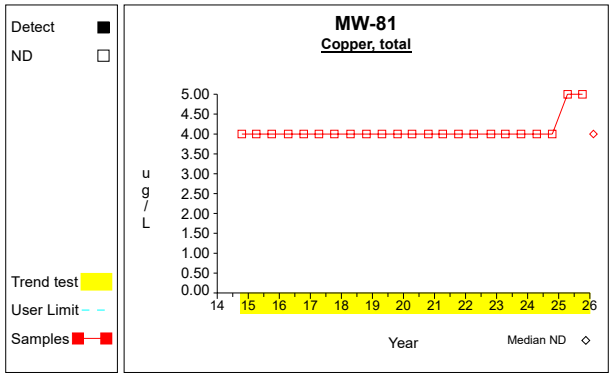
Graph 35



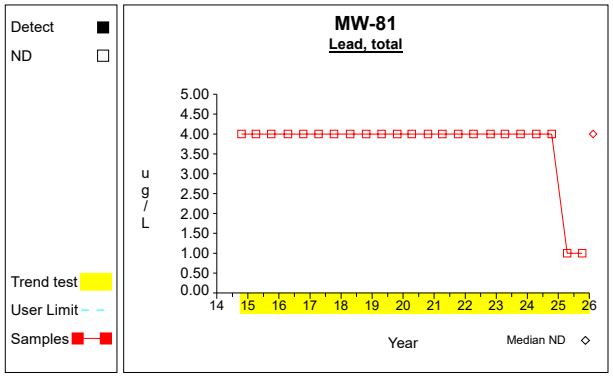
Graph 36



Graph 37



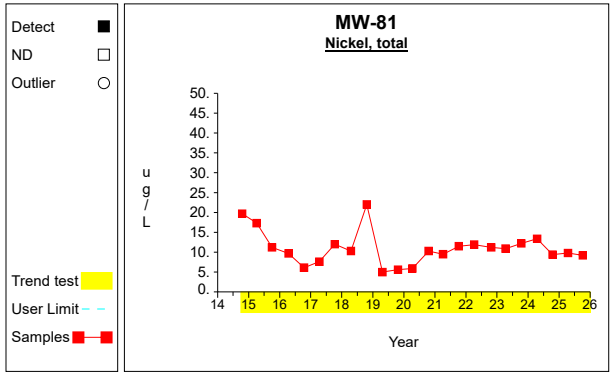
Graph 38



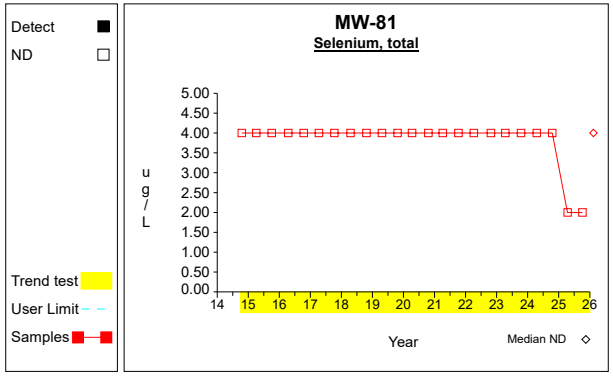
Graph 39

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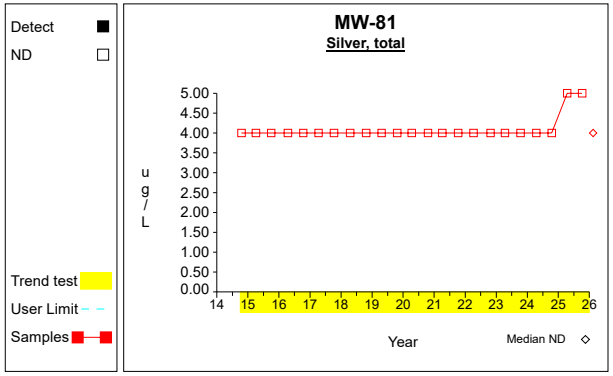
Time Series



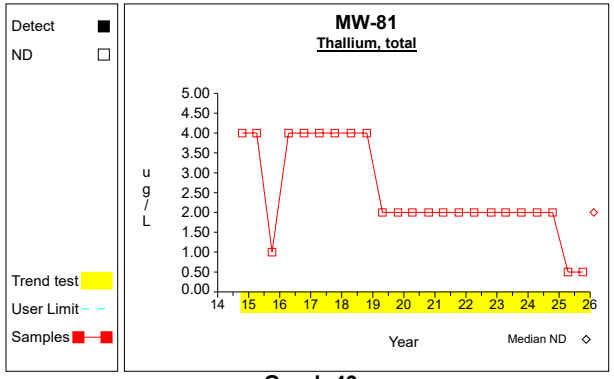
Graph 40



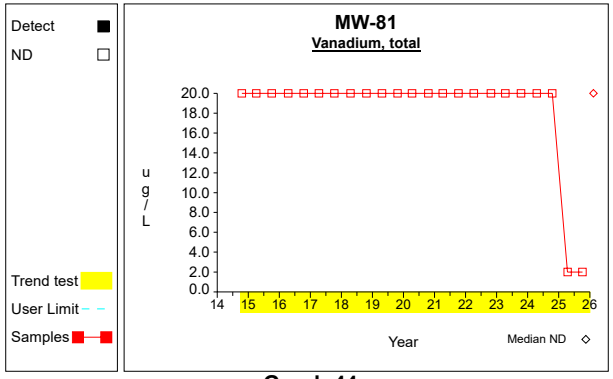
Graph 41



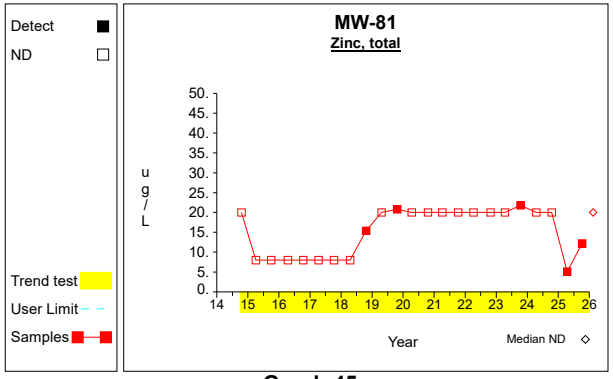
Graph 42



Graph 43

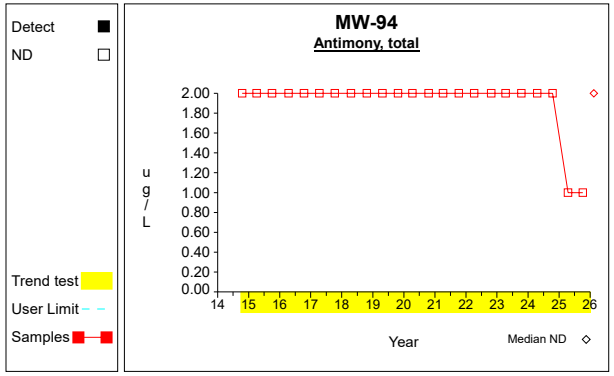


Graph 44

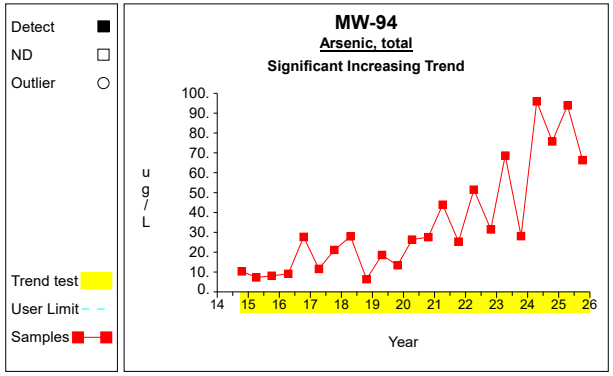


Graph 45

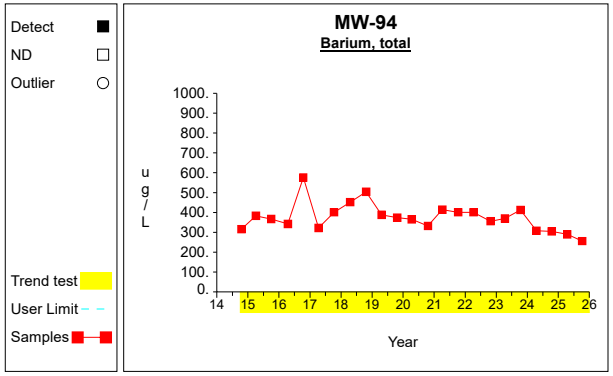
Time Series



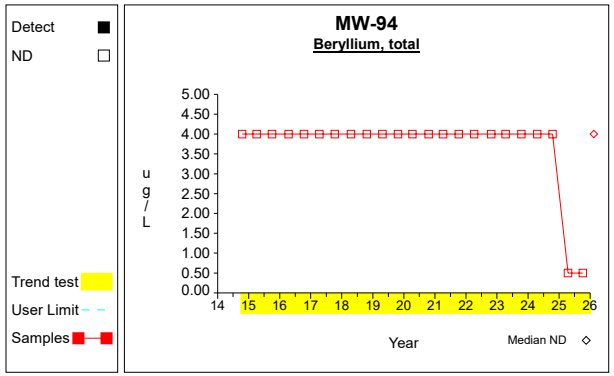
Graph 46



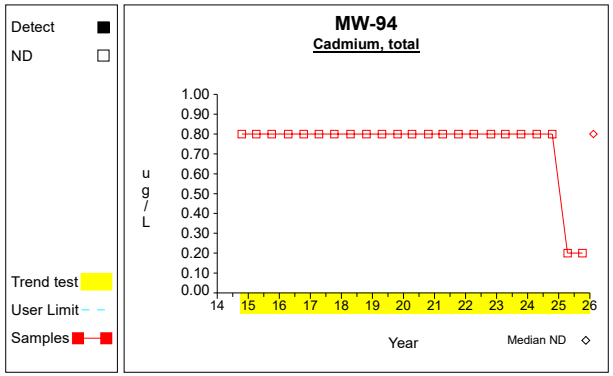
Graph 47



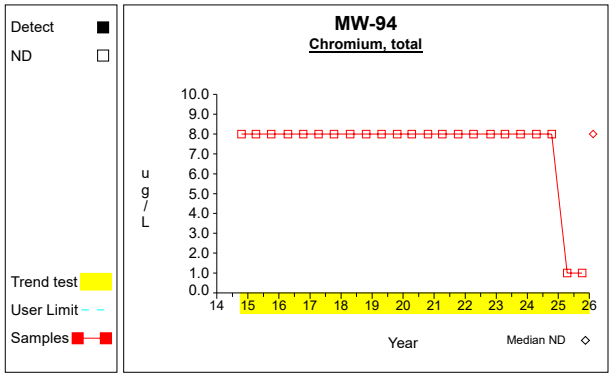
Graph 48



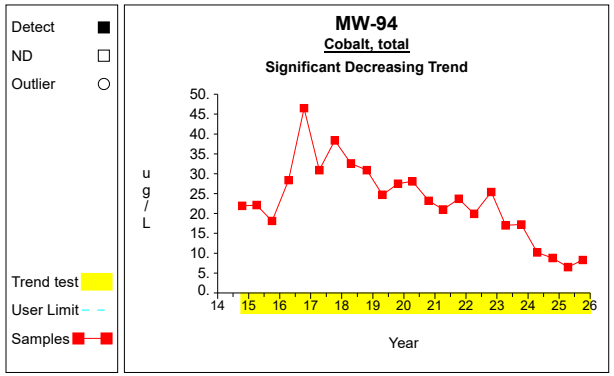
Graph 49



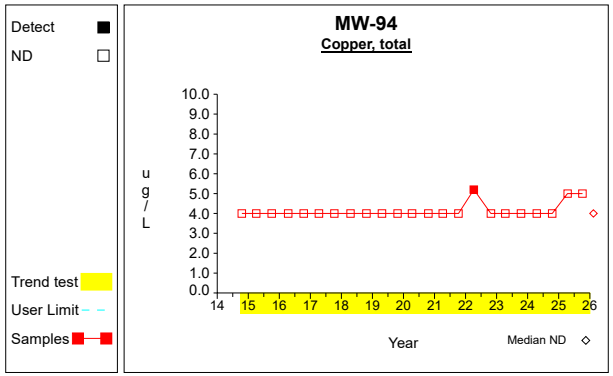
Graph 50



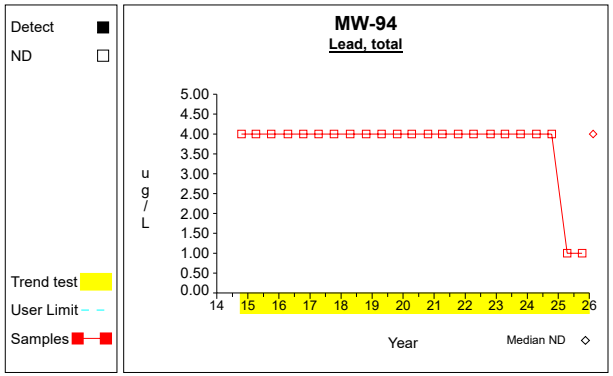
Graph 51



Graph 52

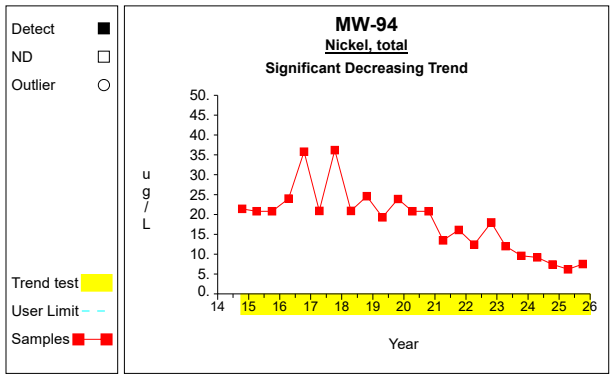


Graph 53

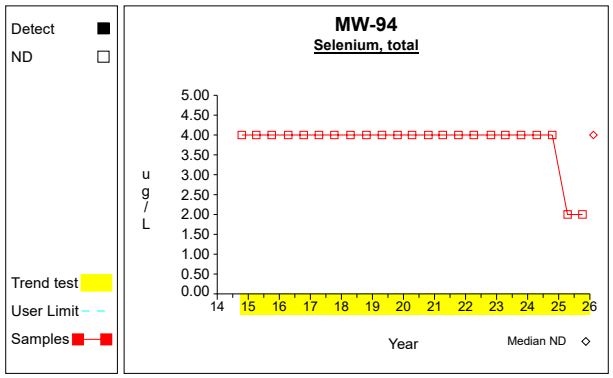


Graph 54

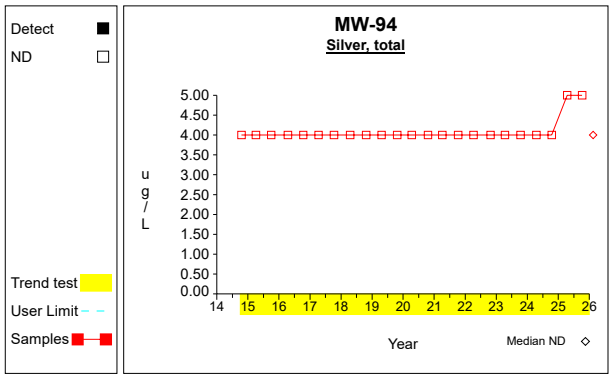
Time Series



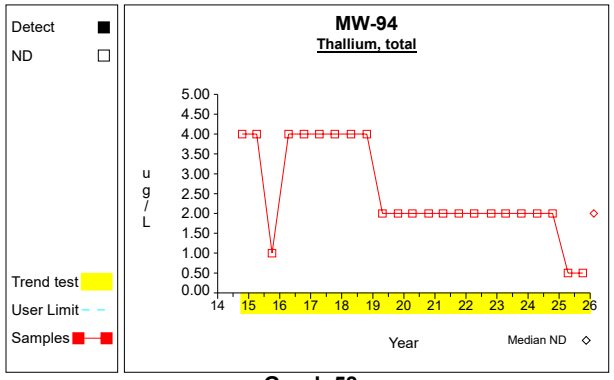
Graph 55



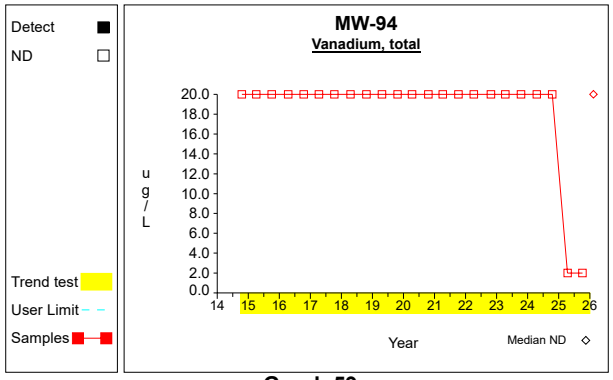
Graph 56



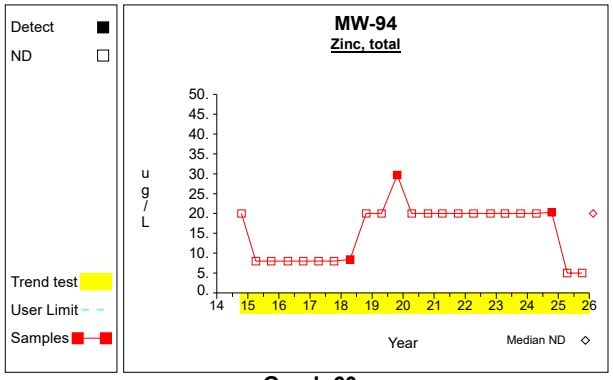
Graph 57



Graph 58



Graph 59



Graph 60

Attachment E

Summary Table and Graphs – Intrawell Statistics

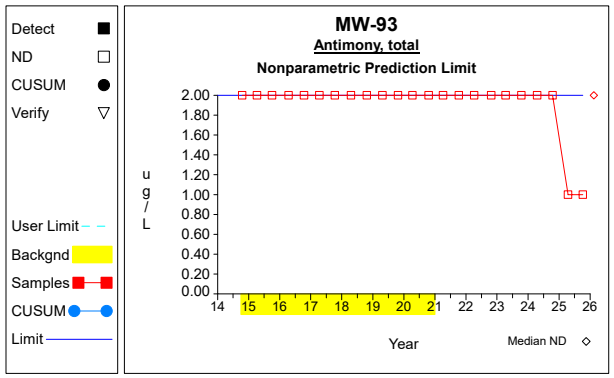
Table 1

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

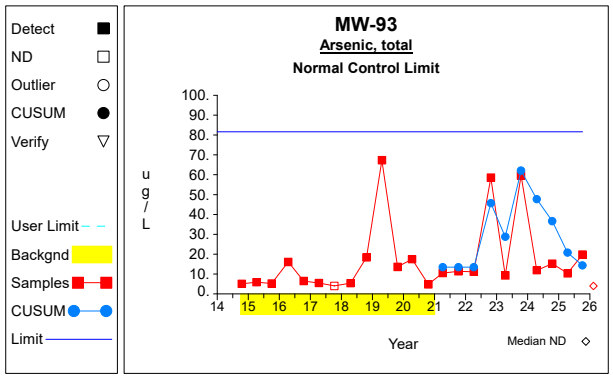
Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Antimony, total	ug/L	MW-93	13	10	38			1.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-93	13	10	38	13.4846	17.0367	10.4000	19.8000	20.8119	14.3498	81.6313	normal		
Barium, total	ug/L	MW-93	13	10	38	245.9231	70.0053	233.0000	270.0000	245.9231	245.9231	525.9443	normal		
Beryllium, total	ug/L	MW-93	13	10	38			0.5000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-93	13	10	38			0.2000	0.2000			0.8000	nonpar	.99	**
Chromium, total	ug/L	MW-93	13	10	38			1.5000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-93	13	10	38	9.1154	3.9987	11.5000	12.2000	9.1154	9.2010	25.1103	normal		
Copper, total	ug/L	MW-93	13	11	39			5.0000	5.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	MW-93	13	10	38			1.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-93	13	10	39	29.6231	6.3359	28.3000	39.4000	29.6231	34.6481	54.9667	normal		
Selenium, total	ug/L	MW-93	13	10	38			2.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-93	13	10	38			5.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-93	13	10	38			0.5000	0.5000			4.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-93	13	10	38			2.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-93	13	10	38			8.7000	10.4000			34.2000	nonpar	.99	**
Antimony, total	ug/L	MW-96R	8	2	10			1.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-96R	11	2	13	15.7364	12.0236	2.0000	6.8000	15.7364	15.7364	69.8425	normal		
Barium, total	ug/L	MW-96R	9	2	11	535.3333	315.2225	126.0000	317.0000	535.3333	535.3333	1953.8348	normal		
Beryllium, total	ug/L	MW-96R	8	2	10			0.5000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-96R	8	2	10			0.3000	0.3000			0.8000	nonpar	.99	**
Chromium, total	ug/L	MW-96R	8	2	10			1.1000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-96R	9	2	13	11.2333	2.4274	0.9000	10.7000	11.2333	11.2333	22.1568	normal		
Copper, total	ug/L	MW-96R	8	2	10			5.0000	5.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	MW-96R	8	2	10			1.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-96R	8	2	10	5.7625	1.4569	5.2000	5.0000	5.7625	5.7625	12.3187	normal		
Selenium, total	ug/L	MW-96R	9	2	11	5.3667	2.0976	7.2000	2.0000	5.3667	5.3667	14.8059	normal		
Silver, total	ug/L	MW-96R	8	2	10			5.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-96R	8	2	10			0.5000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-96R	8	2	10			2.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-96R	8	2	10			9.7000	11.1000			20.0000	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.

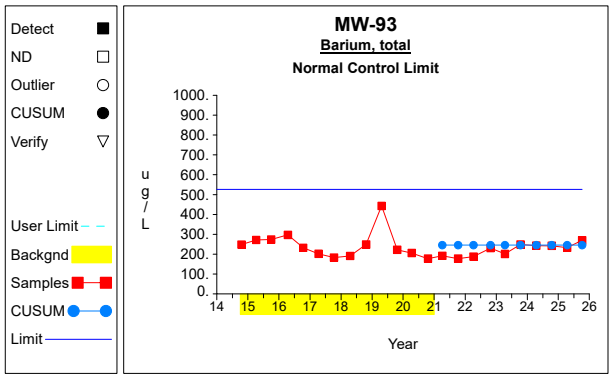
Intra-Well Control Charts / Prediction Limits



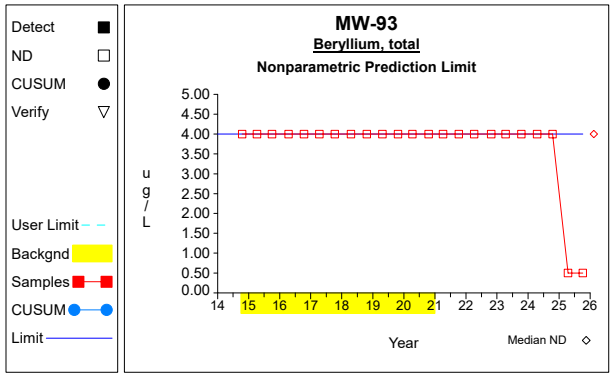
Graph 1



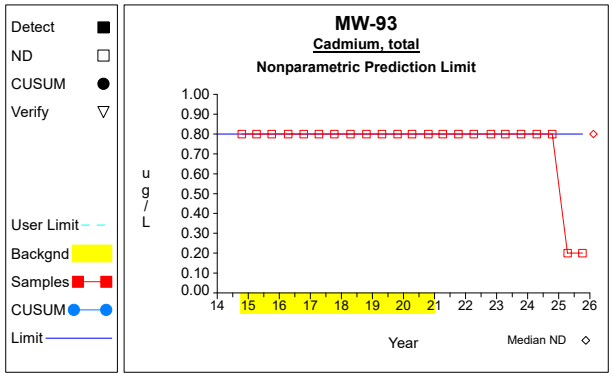
Graph 2



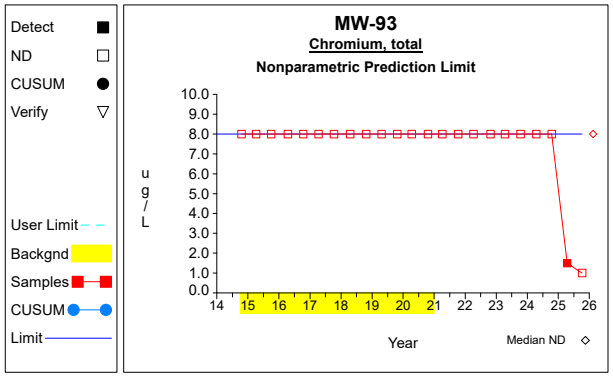
Graph 3



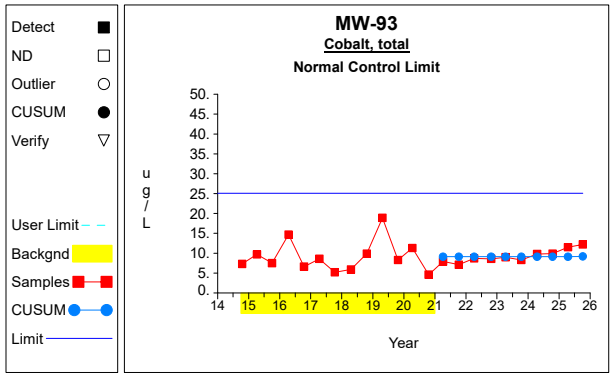
Graph 4



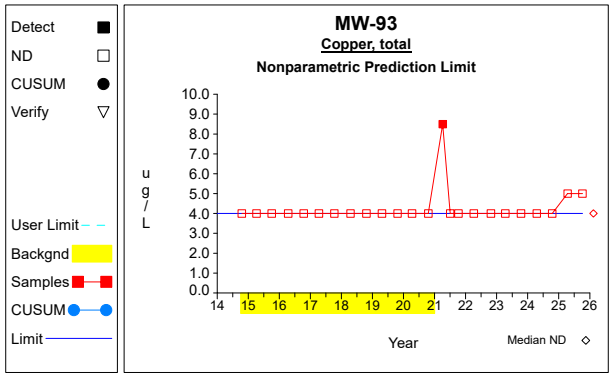
Graph 5



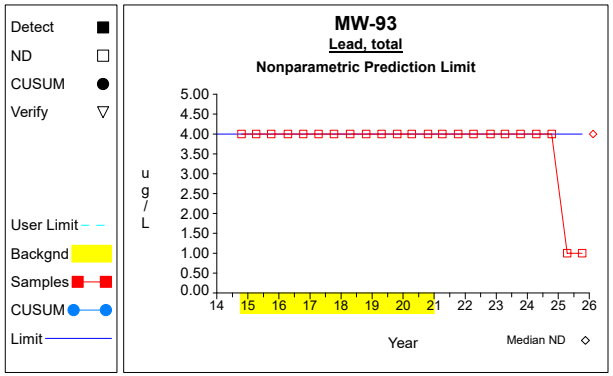
Graph 6



Graph 7



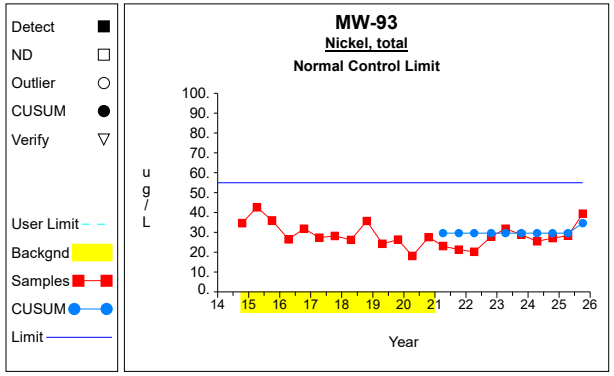
Graph 8



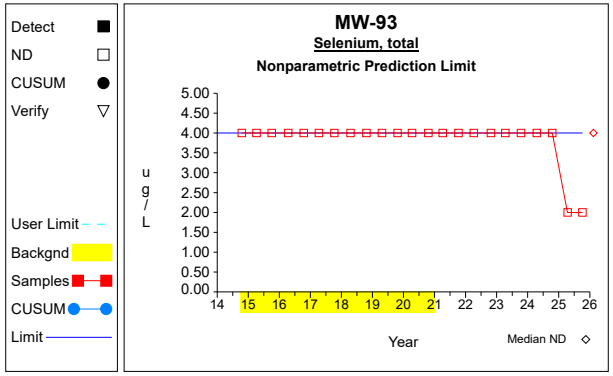
Graph 9

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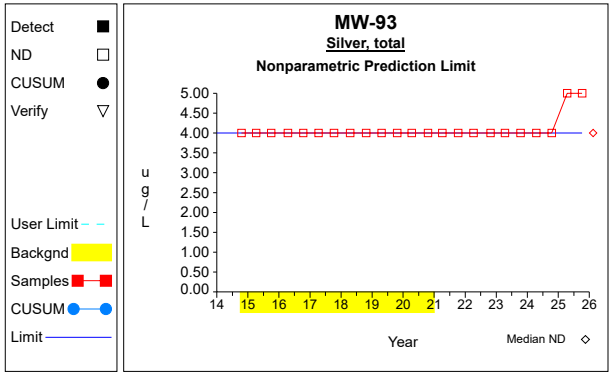
Intra-Well Control Charts / Prediction Limits



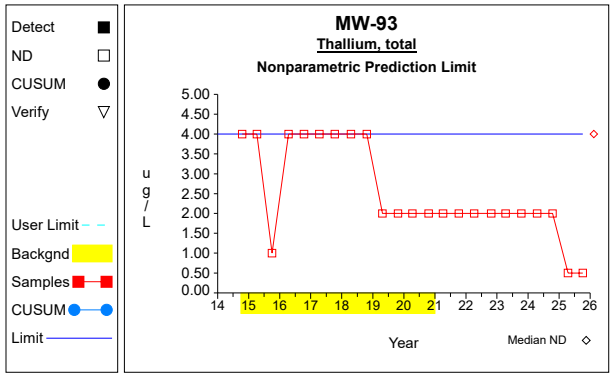
Graph 10



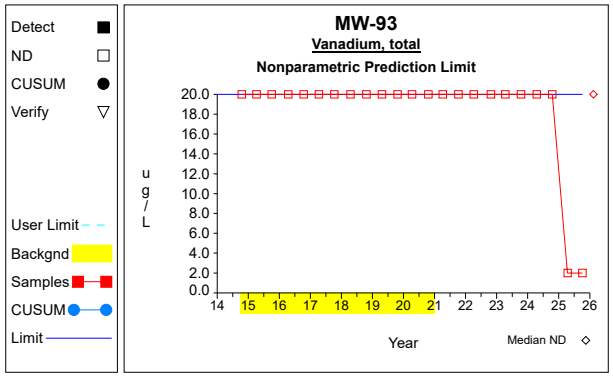
Graph 11



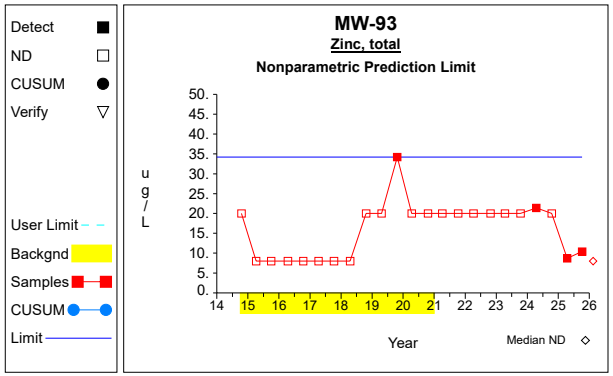
Graph 12



Graph 13

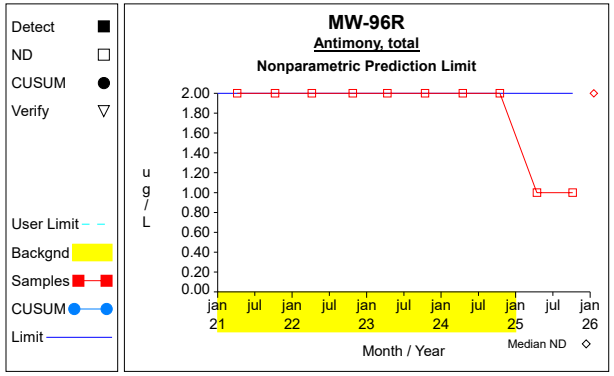


Graph 14

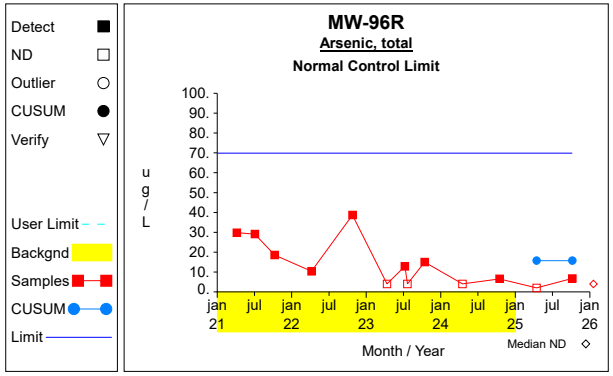


Graph 15

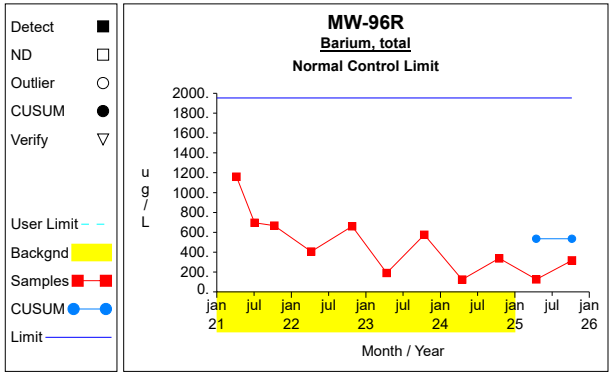
Intra-Well Control Charts / Prediction Limits



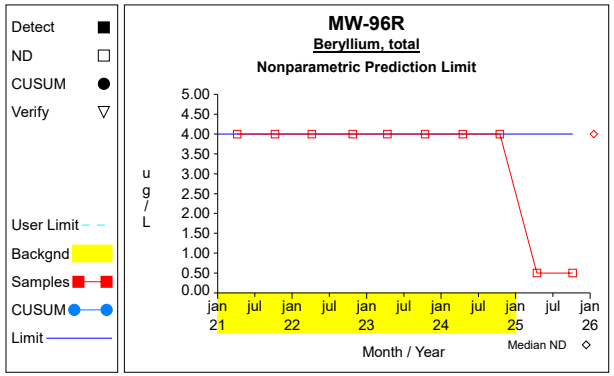
Graph 16



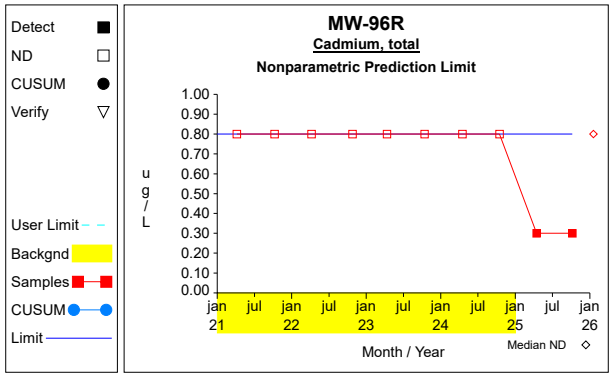
Graph 17



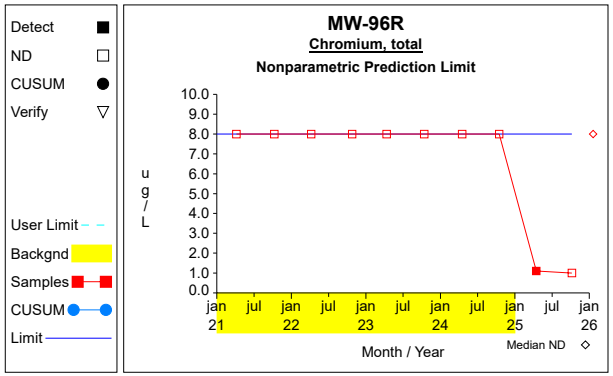
Graph 18



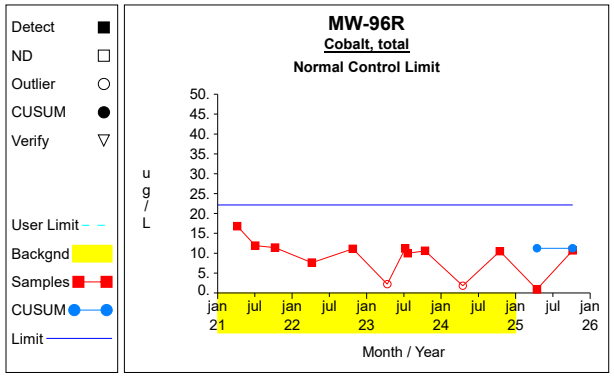
Graph 19



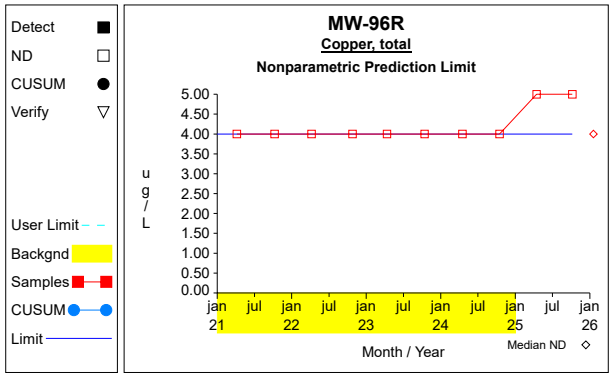
Graph 20



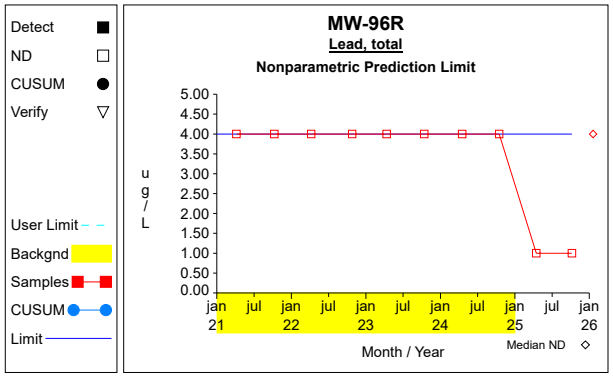
Graph 21



Graph 22



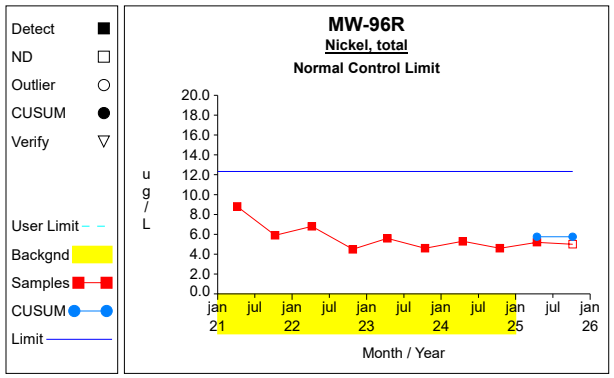
Graph 23



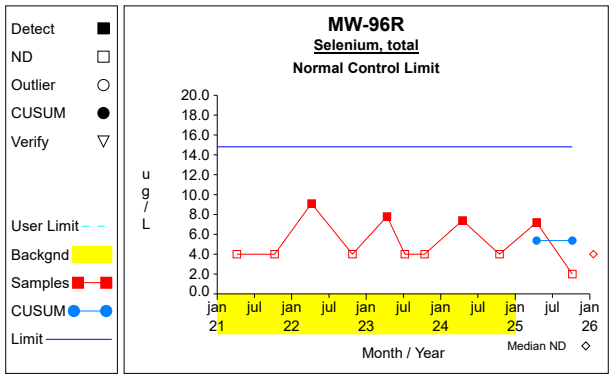
Graph 24

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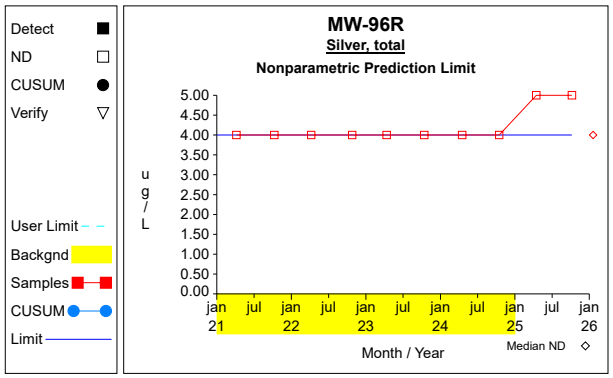
Intra-Well Control Charts / Prediction Limits



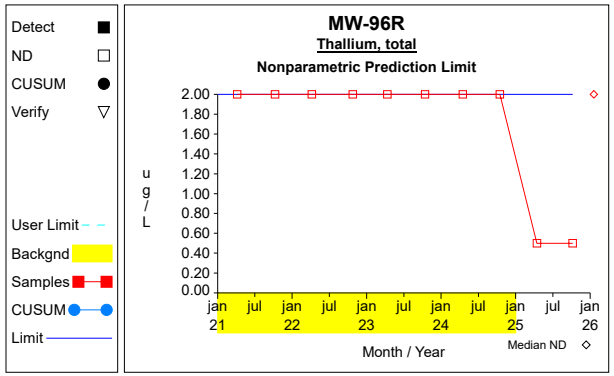
Graph 25



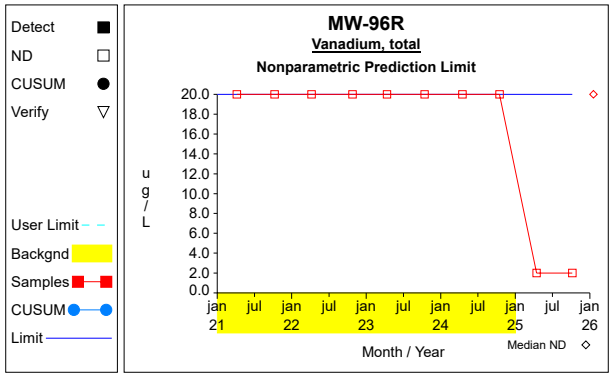
Graph 26



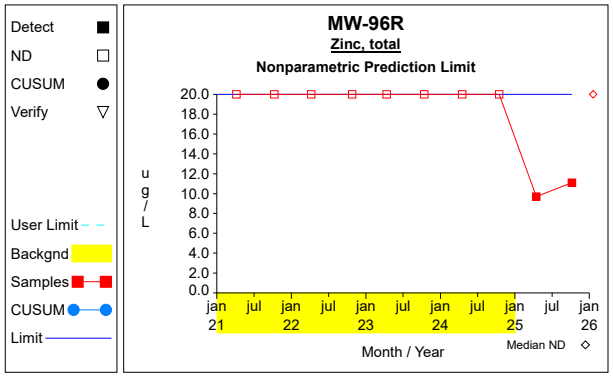
Graph 27



Graph 28



Graph 29



Graph 30

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

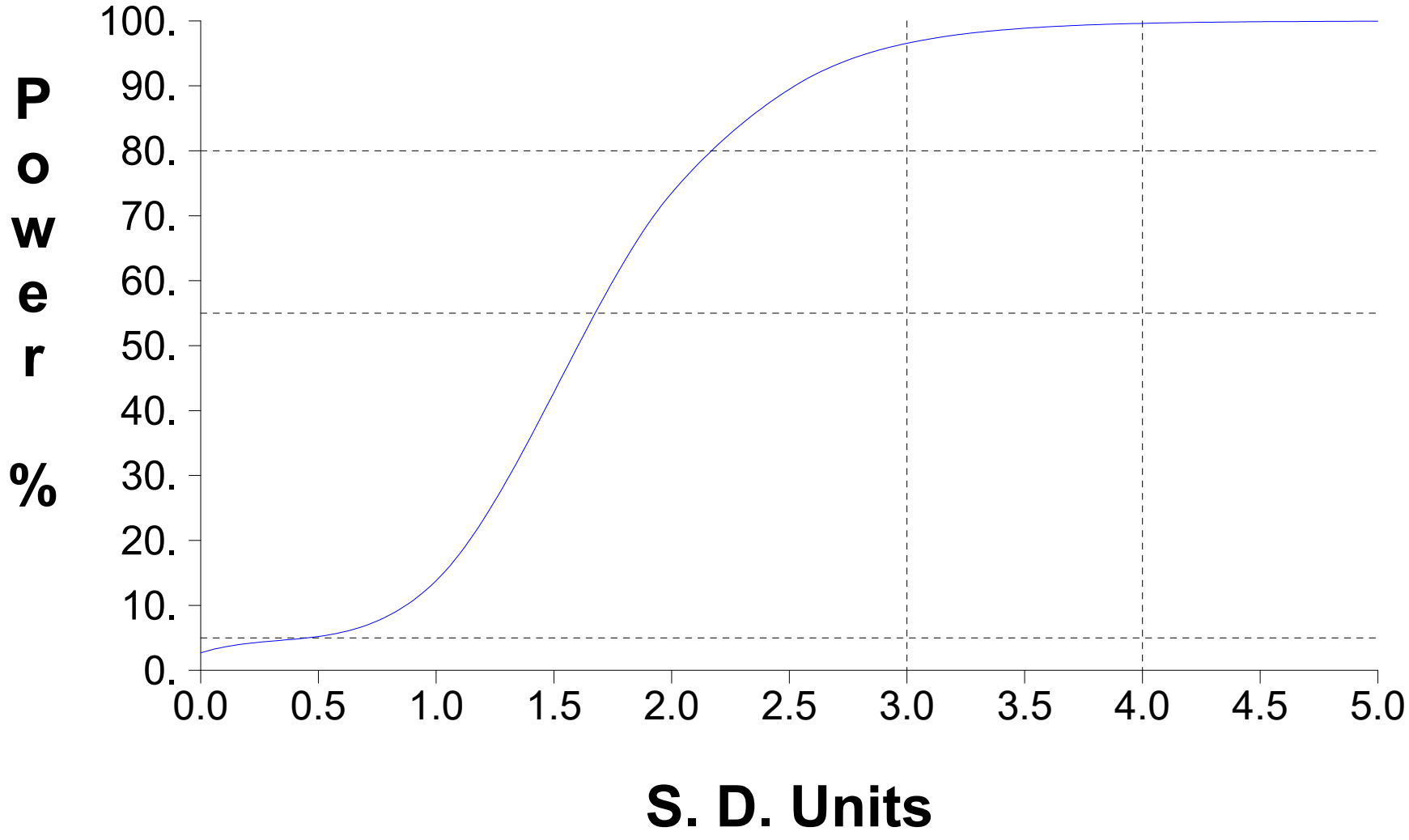


Table 4

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Cobalt, total	ug/L	MW-96R	04/11/2023	2.2000		04/05/2021-10/15/2024	11	0.5972
Cobalt, total	ug/L	MW-96R	04/16/2024	1.8000		04/05/2021-10/15/2024	11	0.5972

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

Attachment F

Summary Table of Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	GU-2	10/08/2010		2.8	1.0	ug/L
1,1-dichloroethane	GU-2	4/04/2011		4.6	1.0	ug/L
Benzene	GU-2	10/08/2010		1.6	1.0	ug/L
Benzene	GU-2	4/04/2011		2.3	1.0	ug/L
Chloroethane	GU-2	10/08/2010		4.9	1.0	ug/L
Chloroethane	GU-2	4/04/2011		6.8	1.0	ug/L
Cis-1,2-dichloroethylene	GU-2	10/08/2010		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	GU-2	4/04/2011		2.8	1.0	ug/L
Vinyl chloride	GU-2	10/08/2010		4.3	1.0	ug/L
Vinyl chloride	GU-2	4/04/2011		3.4	1.0	ug/L
1,1-dichloroethane	GU-3	8/11/2011		2.8	1.0	ug/L
Benzene	GU-3	8/11/2011		3.5	1.0	ug/L
Chloroethane	GU-3	8/11/2011		7.4	1.0	ug/L
Cis-1,2-dichloroethylene	GU-3	8/11/2011		3.6	1.0	ug/L
Vinyl chloride	GU-3	8/11/2011		4.6	1.0	ug/L
1,1-dichloroethane	LW-75	4/11/2023		3.8	1.0	ug/L
1,1-dichloroethane	LW-75	4/16/2024		7.6	1.0	ug/L
1,1-dichloroethane	LW-75	4/14/2025		17.1	1.0	ug/L
1,2-dichloroethane	LW-75	4/16/2024		1.9	1.0	ug/L
1,4-dichlorobenzene	LW-75	1/15/2019		18.2	5.0	ug/L
1,4-dichlorobenzene	LW-75	1/07/2020		11.2	5.0	ug/L
1,4-dichlorobenzene	LW-75	10/19/2020		9.4	1.0	ug/L
1,4-dichlorobenzene	LW-75	4/05/2021		9.6	1.0	ug/L
1,4-dichlorobenzene	LW-75	4/06/2022		10.0	1.0	ug/L
1,4-dichlorobenzene	LW-75	4/11/2023		67.5	1.0	ug/L
1,4-dichlorobenzene	LW-75	4/16/2024		163.0	1.0	ug/L
1,4-dichlorobenzene	LW-75	4/14/2025		375.0	10.0	ug/L
4-methyl-2-pentanone (mibk)	LW-75	4/11/2023		11.6	5.0	ug/L
4-methyl-2-pentanone (mibk)	LW-75	4/16/2024		6.1	5.0	ug/L
4-methyl-2-pentanone (mibk)	LW-75	4/14/2025		6.6	5.0	ug/L
Acetone	LW-75	10/19/2020		17.0	10.0	ug/L
Acetone	LW-75	4/05/2021		15.5	10.0	ug/L
Acetone	LW-75	4/16/2024		28.8	10.0	ug/L
Acetone	LW-75	4/14/2025		33.2	10.0	ug/L
Benzene	LW-75	1/15/2019		7.8	5.0	ug/L
Benzene	LW-75	10/19/2020		3.4	1.0	ug/L
Benzene	LW-75	4/05/2021		4.8	1.0	ug/L
Benzene	LW-75	4/06/2022		5.2	1.0	ug/L
Benzene	LW-75	4/11/2023		9.4	1.0	ug/L
Benzene	LW-75	4/16/2024		8.9	1.0	ug/L
Benzene	LW-75	4/14/2025		12.5	1.0	ug/L
Carbon disulfide	LW-75	4/11/2023		2.1	1.0	ug/L
Chloroethane	LW-75	10/19/2020		1.6	1.0	ug/L
Chloroethane	LW-75	4/05/2021		4.2	1.0	ug/L
Chloroethane	LW-75	4/06/2022		3.8	1.0	ug/L
Chloroethane	LW-75	4/11/2023		1.9	1.0	ug/L
Chloroethane	LW-75	4/16/2024		3.9	1.0	ug/L
Chloroethane	LW-75	4/14/2025		4.0	1.0	ug/L
Chloromethane	LW-75	4/16/2024		1	1	ug/L
Cis-1,2-dichloroethylene	LW-75	4/05/2021		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	LW-75	4/11/2023		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	LW-75	4/16/2024		6.8	1.0	ug/L
Cis-1,2-dichloroethylene	LW-75	4/14/2025		15.7	1.0	ug/L
Ethylbenzene	LW-75	1/15/2019		77.8	5.0	ug/L
Ethylbenzene	LW-75	1/07/2020		48.4	5.0	ug/L
Ethylbenzene	LW-75	10/19/2020		38.6	1.0	ug/L
Ethylbenzene	LW-75	4/05/2021		39.9	1.0	ug/L
Ethylbenzene	LW-75	4/06/2022		35.3	1.0	ug/L
Ethylbenzene	LW-75	4/11/2023		275.0	5.0	ug/L
Ethylbenzene	LW-75	4/16/2024		297.0	5.0	ug/L
Ethylbenzene	LW-75	4/14/2025		246.0	10.0	ug/L
Methylene chloride	LW-75	4/11/2023		33.1	5.0	ug/L
Methylene chloride	LW-75	4/16/2024		75.3	5.0	ug/L
Methylene chloride	LW-75	4/14/2025		147.0	5.0	ug/L
Styrene	LW-75	4/11/2023		1.6	1.0	ug/L
Styrene	LW-75	4/16/2024		2.5	1.0	ug/L
Toluene	LW-75	4/06/2022		2.5	1.0	ug/L
Toluene	LW-75	4/11/2023		73.8	1.0	ug/L
Toluene	LW-75	4/16/2024		108.0	1.0	ug/L
Toluene	LW-75	4/14/2025		230.0	10.0	ug/L
Trichloroethylene	LW-75	4/16/2024		1.7	1.0	ug/L
Trichloroethylene	LW-75	4/14/2025		2.3	1.0	ug/L
Vinyl chloride	LW-75	4/11/2023		3.4	1.0	ug/L
Vinyl chloride	LW-75	4/16/2024		3.4	1.0	ug/L
Vinyl chloride	LW-75	4/14/2025		6.4	1.0	ug/L
Xylenes, total	LW-75	1/15/2019		86.0	10.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Xylenes, total	LW-75	1/07/2020		65.2	10.0	ug/L
Xylenes, total	LW-75	10/19/2020		49.2	2.0	ug/L
Xylenes, total	LW-75	4/05/2021		71.4	2.0	ug/L
Xylenes, total	LW-75	4/06/2022		62.1	2.0	ug/L
Xylenes, total	LW-75	4/11/2023		161.0	2.0	ug/L
Xylenes, total	LW-75	4/16/2024		231.0	2.0	ug/L
Xylenes, total	LW-75	4/14/2025		165.0	20.0	ug/L
1,1-dichloroethane	MW-205	10/14/2016		10.2	1.0	ug/L
1,1-dichloroethane	MW-205	4/10/2017		7.1	1.0	ug/L
1,1-dichloroethane	MW-205	10/09/2017		7.7	1.0	ug/L
1,1-dichloroethane	MW-205	4/17/2018		7.8	1.0	ug/L
1,1-dichloroethane	MW-205	10/22/2018		3.3	1.0	ug/L
1,1-dichloroethane	MW-205	4/22/2019		5.7	1.0	ug/L
1,1-dichloroethane	MW-205	10/23/2020		4.8	1.0	ug/L
1,1-dichloroethane	MW-205	4/05/2021		2.8	1.0	ug/L
1,2-dichlorobenzene	MW-205	4/17/2018		1.1	1.0	ug/L
1,2-dichloropropane	MW-205	4/10/2017		2.0	1.0	ug/L
1,2-dichloropropane	MW-205	4/17/2018		3.3	1.0	ug/L
1,2-dichloropropane	MW-205	4/22/2019		1.3	1.0	ug/L
1,2-dichloropropane	MW-205	4/05/2021		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-205	10/14/2016		7.2	1.0	ug/L
1,4-dichlorobenzene	MW-205	4/10/2017		8.5	1.0	ug/L
1,4-dichlorobenzene	MW-205	10/09/2017		8.0	1.0	ug/L
1,4-dichlorobenzene	MW-205	4/17/2018		11.9	1.0	ug/L
1,4-dichlorobenzene	MW-205	10/22/2018		9.4	1.0	ug/L
1,4-dichlorobenzene	MW-205	10/23/2020		8.7	1.0	ug/L
1,4-dichlorobenzene	MW-205	4/05/2021		10.2	1.0	ug/L
Acetone	MW-205	10/09/2017		22.2	10.0	ug/L
Benzene	MW-205	4/02/2008		4.6	1.0	ug/L
Benzene	MW-205	10/03/2008		5.9	1.0	ug/L
Benzene	MW-205	4/01/2009		5.8	1.0	ug/L
Benzene	MW-205	10/08/2012		4.3	1.0	ug/L
Benzene	MW-205	10/16/2013		5.6	1.0	ug/L
Benzene	MW-205	4/09/2014		3.0	1.0	ug/L
Benzene	MW-205	10/17/2014		7.2	1.0	ug/L
Benzene	MW-205	4/06/2015		10.8	1.0	ug/L
Benzene	MW-205	4/14/2016		12.1	1.0	ug/L
Benzene	MW-205	10/14/2016		12.3	1.0	ug/L
Benzene	MW-205	4/10/2017		10.8	1.0	ug/L
Benzene	MW-205	10/09/2017		8.7	1.0	ug/L
Benzene	MW-205	4/17/2018		5.6	1.0	ug/L
Benzene	MW-205	10/22/2018		10.8	1.0	ug/L
Benzene	MW-205	4/22/2019		11.9	1.0	ug/L
Benzene	MW-205	10/23/2020		13.6	1.0	ug/L
Benzene	MW-205	4/05/2021		7.2	1.0	ug/L
Chlorobenzene	MW-205	10/14/2016		2.9	1.0	ug/L
Chlorobenzene	MW-205	4/10/2017		2.6	1.0	ug/L
Chlorobenzene	MW-205	10/09/2017		1.9	1.0	ug/L
Chlorobenzene	MW-205	4/17/2018		2.4	1.0	ug/L
Chlorobenzene	MW-205	4/22/2019		4.9	1.0	ug/L
Chlorobenzene	MW-205	10/23/2020		3.4	1.0	ug/L
Chlorobenzene	MW-205	4/05/2021		3.2	1.0	ug/L
Chloroethane	MW-205	10/14/2016		7.1	1.0	ug/L
Chloroethane	MW-205	4/10/2017		5.0	1.0	ug/L
Chloroethane	MW-205	10/09/2017		3.8	1.0	ug/L
Chloroethane	MW-205	4/17/2018		3.4	1.0	ug/L
Chloroethane	MW-205	10/22/2018		3.3	1.0	ug/L
Chloroethane	MW-205	4/22/2019		4.3	1.0	ug/L
Chloroethane	MW-205	10/23/2020		3.9	1.0	ug/L
Chloroethane	MW-205	4/05/2021		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	10/14/2016		6.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	4/10/2017		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	10/09/2017		5.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	4/17/2018		5.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	4/22/2019		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	10/23/2020		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-205	4/05/2021		1.3	1.0	ug/L
Ethylbenzene	MW-205	10/09/2017		1.1	1.0	ug/L
Ethylbenzene	MW-205	10/22/2018		14.0	1.0	ug/L
Ethylbenzene	MW-205	4/22/2019		4.8	1.0	ug/L
Toluene	MW-205	10/14/2016		1.0	1.0	ug/L
Toluene	MW-205	4/10/2017		1.0	1.0	ug/L
Toluene	MW-205	4/22/2019		1.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-205	4/17/2018		1	1	ug/L
Trichloroethylene	MW-205	4/02/2008		4.1	1.0	ug/L
Trichloroethylene	MW-205	10/03/2008		8.0	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trichloroethylene	MW-205	4/01/2009		2.3	1.0	ug/L
Trichloroethylene	MW-205	10/08/2012		5.2	1.0	ug/L
Trichloroethylene	MW-205	10/16/2013		5.6	1.0	ug/L
Trichloroethylene	MW-205	4/09/2014		6.1	1.0	ug/L
Trichloroethylene	MW-205	10/17/2014		19.3	1.0	ug/L
Trichloroethylene	MW-205	4/06/2015		8.8	1.0	ug/L
Trichloroethylene	MW-205	4/14/2016		1.2	1.0	ug/L
Trichloroethylene	MW-205	10/14/2016		1.2	1.0	ug/L
Trichloroethylene	MW-205	4/17/2018		1.7	1.0	ug/L
Vinyl chloride	MW-205	10/14/2016		1.8	1.0	ug/L
Vinyl chloride	MW-205	4/10/2017		1.9	1.0	ug/L
Vinyl chloride	MW-205	10/09/2017		1.2	1.0	ug/L
Vinyl chloride	MW-205	4/17/2018		1.0	1.0	ug/L
Xylenes, total	MW-205	4/22/2019		4	2	ug/L
1,1-dichloroethane	MW-213	4/05/2021		2.2	1.0	ug/L
1,1-dichloroethane	MW-213	4/06/2022		3.3	1.0	ug/L
1,1-dichloroethane	MW-213	10/25/2022		2.7	1.0	ug/L
1,1-dichloroethane	MW-213	4/10/2023		2.5	1.0	ug/L
1,1-dichloroethane	MW-213	10/13/2023		3.2	1.0	ug/L
1,1-dichloroethane	MW-213	10/15/2024		1.9	1.0	ug/L
1,1-dichloroethane	MW-213	4/14/2025		2.5	1.0	ug/L
1,2-dichloropropane	MW-213	4/10/2017		1.6	1.0	ug/L
1,2-dichloropropane	MW-213	4/22/2019		3.8	1.0	ug/L
1,2-dichloropropane	MW-213	10/23/2020		6.1	1.0	ug/L
1,2-dichloropropane	MW-213	4/05/2021		7.6	1.0	ug/L
1,2-dichloropropane	MW-213	4/06/2022		7.7	1.0	ug/L
1,2-dichloropropane	MW-213	10/25/2022		6.5	1.0	ug/L
1,2-dichloropropane	MW-213	4/10/2023		5.6	1.0	ug/L
1,2-dichloropropane	MW-213	10/13/2023		4.1	1.0	ug/L
1,2-dichloropropane	MW-213	10/15/2024		3.8	1.0	ug/L
1,2-dichloropropane	MW-213	4/14/2025		2.5	1.0	ug/L
1,2-dichloropropane	MW-213	10/06/2025		1.4	1.0	ug/L
Benzene	MW-213	10/25/2022		1.1	1.0	ug/L
Benzene	MW-213	4/10/2023		1.0	1.0	ug/L
Benzene	MW-213	10/13/2023		1.4	1.0	ug/L
Benzene	MW-213	4/14/2025		1.6	1.0	ug/L
Chloroethane	MW-213	10/23/2020		1.5	1.0	ug/L
Chloroethane	MW-213	4/05/2021		2.6	1.0	ug/L
Chloroethane	MW-213	4/06/2022		2.6	1.0	ug/L
Chloroethane	MW-213	10/25/2022		3.0	1.0	ug/L
Chloroethane	MW-213	4/10/2023		2.5	1.0	ug/L
Chloroethane	MW-213	10/13/2023		4.2	1.0	ug/L
Chloroethane	MW-213	10/15/2024		1.4	1.0	ug/L
Chloroethane	MW-213	4/14/2025		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/14/2016		8.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/10/2017		4.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/17/2018		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/22/2018		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/22/2019		19.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/23/2020		44.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/05/2021		37.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/06/2022		43.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/25/2022		31.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/10/2023		21.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/13/2023		32.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/15/2024		19.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	4/14/2025		20.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-213	10/06/2025		6.6	1.0	ug/L
Vinyl chloride	MW-213	10/23/2020		1.4	1.0	ug/L
Vinyl chloride	MW-213	4/05/2021		3.0	1.0	ug/L
Vinyl chloride	MW-213	4/06/2022		2.4	1.0	ug/L
Vinyl chloride	MW-213	10/25/2022		3.1	1.0	ug/L
Vinyl chloride	MW-213	4/10/2023		2.5	1.0	ug/L
Vinyl chloride	MW-213	10/13/2023		4.3	1.0	ug/L
Vinyl chloride	MW-213	10/15/2024		1.4	1.0	ug/L
Vinyl chloride	MW-213	4/14/2025		2.5	1.0	ug/L
1,1-dichloroethane	MW-214	10/14/2016		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	10/14/2016		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	4/10/2017		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	10/09/2017		2.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	4/17/2018		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	10/22/2018		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	4/22/2019		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	10/23/2020		6.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-214	4/05/2021		3.3	1.0	ug/L
Tetrachloroethylene	MW-214	10/14/2016		12.2	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Tetrachloroethylene	MW-214	4/10/2017		9.9	1.0	ug/L
Tetrachloroethylene	MW-214	10/09/2017		8.8	1.0	ug/L
Tetrachloroethylene	MW-214	4/17/2018		8.6	1.0	ug/L
Tetrachloroethylene	MW-214	10/22/2018		4.1	1.0	ug/L
Tetrachloroethylene	MW-214	4/22/2019		8.5	1.0	ug/L
Tetrachloroethylene	MW-214	10/23/2020		7.8	1.0	ug/L
Tetrachloroethylene	MW-214	4/05/2021		5.4	1.0	ug/L
Trichloroethylene	MW-214	4/02/2008		5.2	1.0	ug/L
Trichloroethylene	MW-214	10/03/2008		5.9	1.0	ug/L
Trichloroethylene	MW-214	4/01/2009		4.1	1.0	ug/L
Trichloroethylene	MW-214	10/08/2012		3.6	1.0	ug/L
Trichloroethylene	MW-214	10/16/2013		2.9	1.0	ug/L
Trichloroethylene	MW-214	4/09/2014		2.0	1.0	ug/L
Trichloroethylene	MW-214	10/17/2014		2.0	1.0	ug/L
Trichloroethylene	MW-214	4/06/2015		1.8	1.0	ug/L
Trichloroethylene	MW-214	4/14/2016		2.1	1.0	ug/L
Trichloroethylene	MW-214	10/14/2016		3.0	1.0	ug/L
Trichloroethylene	MW-214	4/10/2017		2.4	1.0	ug/L
Trichloroethylene	MW-214	10/09/2017		2.8	1.0	ug/L
Trichloroethylene	MW-214	4/17/2018		2.6	1.0	ug/L
Trichloroethylene	MW-214	4/22/2019		3.3	1.0	ug/L
Trichloroethylene	MW-214	10/23/2020		5.8	1.0	ug/L
Trichloroethylene	MW-214	4/05/2021		2.9	1.0	ug/L
1,1,1-trichloroethane	MW-49	10/23/1992		10.5	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/21/1993		17.7	1.0	ug/L
1,1,1-trichloroethane	MW-49	4/22/1993		14.7	1.0	ug/L
1,1,1-trichloroethane	MW-49	7/13/1993		11.4	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/25/1994		18.1	1.0	ug/L
1,1,1-trichloroethane	MW-49	4/14/1994		12.8	1.0	ug/L
1,1,1-trichloroethane	MW-49	7/08/1994		10.1	1.0	ug/L
1,1,1-trichloroethane	MW-49	10/20/1994		7.5	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/04/1995		8.0	1.0	ug/L
1,1,1-trichloroethane	MW-49	4/21/1995		9.0	1.0	ug/L
1,1,1-trichloroethane	MW-49	7/07/1995		9.8	1.0	ug/L
1,1,1-trichloroethane	MW-49	10/12/1995		9.5	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/10/1996		8.1	1.0	ug/L
1,1,1-trichloroethane	MW-49	7/17/1996		4.5	1.0	ug/L
1,1,1-trichloroethane	MW-49	10/08/1996		5.2	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/21/1997		2.7	1.0	ug/L
1,1,1-trichloroethane	MW-49	4/11/1997		2.3	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/27/1998		2.8	1.0	ug/L
1,1,1-trichloroethane	MW-49	1/06/2000		1.0	1.0	ug/L
1,1-dichloroethane	MW-49	3/28/2008		2.9	1.0	ug/L
1,1-dichloroethane	MW-49	6/27/2008		2.7	1.0	ug/L
1,1-dichloroethane	MW-49	8/04/2008		2.7	1.0	ug/L
1,1-dichloroethane	MW-49	12/08/2008		3.1	1.0	ug/L
1,1-dichloroethane	MW-49	4/02/2009		2.7	1.0	ug/L
1,1-dichloroethane	MW-49	10/21/2009		2.6	1.0	ug/L
1,1-dichloroethane	MW-49	4/20/2010		3.0	1.0	ug/L
1,1-dichloroethane	MW-49	10/08/2010		3.0	1.0	ug/L
1,1-dichloroethane	MW-49	4/05/2011		2.3	1.0	ug/L
1,1-dichloroethane	MW-49	10/06/2011		2.8	1.0	ug/L
1,1-dichloroethane	MW-49	4/10/2012		2.1	1.0	ug/L
1,1-dichloroethane	MW-49	10/09/2012		2.8	1.0	ug/L
1,1-dichloroethane	MW-49	4/04/2013		2.0	1.0	ug/L
1,1-dichloroethane	MW-49	10/16/2013		2.6	1.0	ug/L
1,1-dichloroethane	MW-49	4/10/2014		2.2	1.0	ug/L
1,1-dichloroethane	MW-49	4/06/2015		1.5	1.0	ug/L
1,1-dichloroethane	MW-49	10/01/2015		1.1	1.0	ug/L
1,1-dichloroethane	MW-49	4/14/2016		1.3	1.0	ug/L
1,1-dichloroethane	MW-49	10/13/2016		1.9	1.0	ug/L
1,1-dichloroethane	MW-49	4/10/2017		1.7	1.0	ug/L
1,1-dichloroethane	MW-49	10/09/2017		2.1	1.0	ug/L
1,1-dichloroethane	MW-49	4/17/2018		1.4	1.0	ug/L
1,1-dichloroethane	MW-49	10/22/2018		1.2	1.0	ug/L
1,1-dichloroethane	MW-49	4/22/2019		3.4	1.0	ug/L
1,1-dichloroethane	MW-49	10/23/2019		2.6	1.0	ug/L
1,1-dichloroethane	MW-49	4/10/2020		2.6	1.0	ug/L
1,1-dichloroethane	MW-49	10/19/2020		2.5	1.0	ug/L
1,1-dichloroethane	MW-49	4/05/2021		1.4	1.0	ug/L
1,1-dichloroethane	MW-49	10/08/2021		1.9	1.0	ug/L
1,1-dichloroethane	MW-49	4/06/2022		1.0	1.0	ug/L
1,1-dichloroethane	MW-49	10/25/2022		1.7	1.0	ug/L
1,1-dichloroethane	MW-49	4/11/2023		1.4	1.0	ug/L
1,1-dichloroethane	MW-49	10/13/2023		1.6	1.0	ug/L
1,1-dichloroethane	MW-49	4/17/2024		1.1	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-49	10/15/2024		1.2	1.0	ug/L
1,1-dichloroethane	MW-49	4/14/2025		1.5	1.0	ug/L
1,1-dichloroethane	MW-49	10/06/2025		1.2	1.0	ug/L
1,1-dichloroethylene	MW-49	1/25/1994		3.9	1.0	ug/L
1,1-dichloroethylene	MW-49	7/07/1995		1.2	1.0	ug/L
1,1-dichloroethylene	MW-49	10/18/2001		9.1	1.0	ug/L
1,2-dichloroethane	MW-49	10/04/1999		1.4	1.0	ug/L
1,2-dichloroethane	MW-49	7/05/2000		1.7	1.0	ug/L
1,2-dichloroethane	MW-49	9/11/2000		1.3	1.0	ug/L
1,2-dichloroethane	MW-49	10/08/2000		1.4	1.0	ug/L
1,2-dichloroethane	MW-49	4/27/2001		1.1	1.0	ug/L
1,2-dichloroethane	MW-49	7/23/2001		1.4	1.0	ug/L
1,2-dichloroethane	MW-49	1/25/2002		1.0	1.0	ug/L
1,2-dichloroethane	MW-49	10/14/2002		1.2	1.0	ug/L
1,2-dichloroethane	MW-49	10/10/2007		.6	.5	ug/L
1,4-dichlorobenzene	MW-49	3/28/2008		6.3	1.0	ug/L
1,4-dichlorobenzene	MW-49	6/27/2008		7.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	8/04/2008		9.0	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/03/2008		8.3	1.0	ug/L
1,4-dichlorobenzene	MW-49	12/08/2008		7.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/02/2009		8.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/21/2009		8.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/20/2010		9.2	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/08/2010		5.6	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/05/2011		8.1	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/06/2011		4.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/10/2012		8.4	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/09/2012		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/04/2013		10.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/16/2013		7.2	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/10/2014		4.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/16/2014		8.7	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/06/2015		8.7	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/01/2015		8.6	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/14/2016		8.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/13/2016		9.2	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/10/2017		7.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/09/2017		5.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/17/2018		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/22/2018		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/22/2019		11.4	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/23/2019		7.4	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/19/2020		6.6	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/05/2021		6.4	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/08/2021		6.0	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/06/2022		3.6	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/25/2022		6.3	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/11/2023		7.4	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/13/2023		6.1	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/17/2024		3.3	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/15/2024		7.9	1.0	ug/L
1,4-dichlorobenzene	MW-49	4/14/2025		5.6	1.0	ug/L
1,4-dichlorobenzene	MW-49	10/06/2025		6.5	1.0	ug/L
Acetone	MW-49	10/21/2009		48.4	10.0	ug/L
Acetone	MW-49	4/05/2011		69.3	10.0	ug/L
Acetone	MW-49	10/09/2017		20.0	10.0	ug/L
Acetone	MW-49	4/17/2018		76.0	10.0	ug/L
Acetone	MW-49	10/22/2018		36.8	10.0	ug/L
Acetone	MW-49	4/06/2022		24.1	10.0	ug/L
Benzene	MW-49	7/07/1995		1.0	1.0	ug/L
Benzene	MW-49	7/17/1996		1.9	1.0	ug/L
Benzene	MW-49	10/08/1996		1.1	1.0	ug/L
Benzene	MW-49	1/21/1997		2.5	1.0	ug/L
Benzene	MW-49	4/11/1997		3.1	1.0	ug/L
Benzene	MW-49	7/17/1997		2.5	1.0	ug/L
Benzene	MW-49	10/15/1997		2.2	1.0	ug/L
Benzene	MW-49	1/27/1998		1.6	1.0	ug/L
Benzene	MW-49	7/21/1998		1.7	1.0	ug/L
Benzene	MW-49	1/26/1999		1.8	1.0	ug/L
Benzene	MW-49	4/19/1999		2.4	1.0	ug/L
Benzene	MW-49	10/04/1999		1.9	1.0	ug/L
Benzene	MW-49	1/06/2000		1.3	1.0	ug/L
Benzene	MW-49	7/05/2000		1.3	1.0	ug/L
Benzene	MW-49	9/11/2000		1.4	1.0	ug/L
Benzene	MW-49	10/08/2000		1.4	1.0	ug/L
Benzene	MW-49	1/18/2001		1.7	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-49	4/27/2001		1.7	1.0	ug/L
Benzene	MW-49	7/23/2001		2.8	1.0	ug/L
Benzene	MW-49	10/18/2001		1.7	1.0	ug/L
Benzene	MW-49	1/25/2002		1.6	1.0	ug/L
Benzene	MW-49	4/24/2002		2.4	1.0	ug/L
Benzene	MW-49	7/22/2002		2.4	1.0	ug/L
Benzene	MW-49	1/29/2003		1.3	1.0	ug/L
Benzene	MW-49	7/11/2003		2.1	1.0	ug/L
Benzene	MW-49	10/06/2003		2.0	1.0	ug/L
Benzene	MW-49	1/12/2004		2.0	1.0	ug/L
Benzene	MW-49	4/26/2004		2.6	1.0	ug/L
Benzene	MW-49	4/11/2005		2.4	1.0	ug/L
Benzene	MW-49	10/05/2005		2.1	1.0	ug/L
Benzene	MW-49	4/05/2006		2.3	1.0	ug/L
Benzene	MW-49	10/04/2006		2.0	1.0	ug/L
Benzene	MW-49	4/12/2007		2.3	1.0	ug/L
Benzene	MW-49	10/10/2007		2.0	1.0	ug/L
Benzene	MW-49	3/28/2008		2.5	1.0	ug/L
Benzene	MW-49	6/27/2008		2.6	1.0	ug/L
Benzene	MW-49	8/04/2008		2.6	1.0	ug/L
Benzene	MW-49	12/08/2008		2.2	1.0	ug/L
Benzene	MW-49	4/02/2009		2.7	1.0	ug/L
Benzene	MW-49	10/21/2009		2.6	1.0	ug/L
Benzene	MW-49	4/20/2010		2.0	1.0	ug/L
Benzene	MW-49	4/05/2011		2.6	1.0	ug/L
Benzene	MW-49	10/06/2011		1.0	1.0	ug/L
Benzene	MW-49	4/10/2012		2.2	1.0	ug/L
Benzene	MW-49	4/04/2013		2.2	1.0	ug/L
Benzene	MW-49	10/16/2014		2.9	1.0	ug/L
Benzene	MW-49	4/06/2015		2.3	1.0	ug/L
Benzene	MW-49	10/01/2015		1.9	1.0	ug/L
Benzene	MW-49	4/14/2016		2.6	1.0	ug/L
Benzene	MW-49	10/13/2016		3.5	1.0	ug/L
Benzene	MW-49	4/10/2017		3.0	1.0	ug/L
Benzene	MW-49	10/09/2017		1.2	1.0	ug/L
Benzene	MW-49	4/17/2018		1.9	1.0	ug/L
Benzene	MW-49	10/22/2018		2.5	1.0	ug/L
Benzene	MW-49	4/22/2019		4.3	1.0	ug/L
Benzene	MW-49	10/23/2019		3.5	1.0	ug/L
Benzene	MW-49	4/10/2020		3.7	1.0	ug/L
Benzene	MW-49	10/19/2020		2.0	1.0	ug/L
Benzene	MW-49	4/05/2021		2.8	1.0	ug/L
Benzene	MW-49	10/08/2021		1.9	1.0	ug/L
Benzene	MW-49	4/06/2022		2.4	1.0	ug/L
Benzene	MW-49	10/25/2022		2.4	1.0	ug/L
Benzene	MW-49	4/11/2023		2.9	1.0	ug/L
Benzene	MW-49	10/13/2023		1.1	1.0	ug/L
Benzene	MW-49	10/15/2024		3.7	1.0	ug/L
Benzene	MW-49	4/14/2025		2.7	1.0	ug/L
Benzene	MW-49	10/06/2025		4.3	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-49	12/08/2008		13	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-49	4/06/2015		65	10	ug/L
Carbon disulfide	MW-49	10/06/2025		1.7	1.0	ug/L
Chlorobenzene	MW-49	4/22/2019		1.1	1.0	ug/L
Chlorobenzene	MW-49	4/10/2020		1.1	1.0	ug/L
Chlorobenzene	MW-49	10/19/2020		1.0	1.0	ug/L
Chlorobenzene	MW-49	4/05/2021		1.0	1.0	ug/L
Chlorobenzene	MW-49	10/08/2021		1.0	1.0	ug/L
Chlorobenzene	MW-49	10/25/2022		1.1	1.0	ug/L
Chlorobenzene	MW-49	10/13/2023		1.0	1.0	ug/L
Chlorobenzene	MW-49	10/15/2024		1.1	1.0	ug/L
Chlorobenzene	MW-49	10/06/2025		1.3	1.0	ug/L
Chloroethane	MW-49	3/28/2008		17.8	1.0	ug/L
Chloroethane	MW-49	6/27/2008		15.5	1.0	ug/L
Chloroethane	MW-49	8/04/2008		16.5	1.0	ug/L
Chloroethane	MW-49	10/03/2008		18.1	1.0	ug/L
Chloroethane	MW-49	12/08/2008		18.1	1.0	ug/L
Chloroethane	MW-49	4/02/2009		18.1	1.0	ug/L
Chloroethane	MW-49	10/21/2009		18.6	1.0	ug/L
Chloroethane	MW-49	4/20/2010		15.8	1.0	ug/L
Chloroethane	MW-49	10/08/2010		13.6	1.0	ug/L
Chloroethane	MW-49	4/05/2011		17.2	1.0	ug/L
Chloroethane	MW-49	10/06/2011		11.6	1.0	ug/L
Chloroethane	MW-49	4/10/2012		11.8	1.0	ug/L
Chloroethane	MW-49	10/09/2012		10.0	1.0	ug/L
Chloroethane	MW-49	4/04/2013		11.3	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-49	10/16/2013		5.7	1.0	ug/L
Chloroethane	MW-49	4/10/2014		11.2	1.0	ug/L
Chloroethane	MW-49	10/16/2014		12.9	1.0	ug/L
Chloroethane	MW-49	4/06/2015		8.9	1.0	ug/L
Chloroethane	MW-49	10/01/2015		8.7	1.0	ug/L
Chloroethane	MW-49	4/14/2016		9.0	1.0	ug/L
Chloroethane	MW-49	10/13/2016		11.9	1.0	ug/L
Chloroethane	MW-49	4/10/2017		10.1	1.0	ug/L
Chloroethane	MW-49	10/09/2017		8.7	1.0	ug/L
Chloroethane	MW-49	4/17/2018		5.5	1.0	ug/L
Chloroethane	MW-49	10/22/2018		11.0	1.0	ug/L
Chloroethane	MW-49	4/22/2019		8.2	1.0	ug/L
Chloroethane	MW-49	10/23/2019		10.2	1.0	ug/L
Chloroethane	MW-49	4/10/2020		9.4	1.0	ug/L
Chloroethane	MW-49	10/19/2020		9.8	1.0	ug/L
Chloroethane	MW-49	4/05/2021		6.8	1.0	ug/L
Chloroethane	MW-49	10/08/2021		7.3	1.0	ug/L
Chloroethane	MW-49	4/06/2022		5.6	1.0	ug/L
Chloroethane	MW-49	10/25/2022		7.4	1.0	ug/L
Chloroethane	MW-49	4/11/2023		6.6	1.0	ug/L
Chloroethane	MW-49	10/13/2023		6.6	1.0	ug/L
Chloroethane	MW-49	4/17/2024		4.6	1.0	ug/L
Chloroethane	MW-49	10/15/2024		5.5	1.0	ug/L
Chloroethane	MW-49	4/14/2025		5.0	1.0	ug/L
Chloroethane	MW-49	10/06/2025		6.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	3/28/2008		42.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	6/27/2008		41.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	8/04/2008		41.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/03/2008		45.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	12/08/2008		42.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/02/2009		42.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/21/2009		41.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/20/2010		38.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/08/2010		33.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/05/2011		41.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/06/2011		28.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/10/2012		32.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/09/2012		25.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/04/2013		28.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/16/2013		24.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/10/2014		23.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/16/2014		23.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/06/2015		13.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/01/2015		11.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/14/2016		13.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/13/2016		13.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/10/2017		10.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/09/2017		16.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/17/2018		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/22/2019		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/10/2020		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/19/2020		6.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/08/2021		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/25/2022		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	10/13/2023		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49	4/17/2024		2.4	1.0	ug/L
Trichloroethylene	MW-49	1/21/1993		1.2	1.0	ug/L
Trichloroethylene	MW-49	4/22/1993		3.3	1.0	ug/L
Trichloroethylene	MW-49	7/13/1993		5.5	1.0	ug/L
Trichloroethylene	MW-49	1/25/1994		3.2	1.0	ug/L
Trichloroethylene	MW-49	4/14/1994		1.8	1.0	ug/L
Trichloroethylene	MW-49	7/08/1994		2.5	1.0	ug/L
Trichloroethylene	MW-49	10/20/1994		4.7	1.0	ug/L
Trichloroethylene	MW-49	1/04/1995		4.1	1.0	ug/L
Trichloroethylene	MW-49	4/21/1995		4.7	1.0	ug/L
Trichloroethylene	MW-49	7/07/1995		4.4	1.0	ug/L
Trichloroethylene	MW-49	10/12/1995		3.4	1.0	ug/L
Trichloroethylene	MW-49	1/10/1996		2.7	1.0	ug/L
Trichloroethylene	MW-49	7/17/1996		5.7	1.0	ug/L
Trichloroethylene	MW-49	10/08/1996		5.8	1.0	ug/L
Trichloroethylene	MW-49	1/21/1997		9.5	1.0	ug/L
Trichloroethylene	MW-49	4/11/1997		10.4	1.0	ug/L
Trichloroethylene	MW-49	7/17/1997		10.8	1.0	ug/L
Trichloroethylene	MW-49	10/15/1997		9.6	1.0	ug/L
Trichloroethylene	MW-49	1/27/1998		7.6	1.0	ug/L
Trichloroethylene	MW-49	4/21/1998		12.2	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trichloroethylene	MW-49	7/21/1998		12.9	1.0	ug/L
Trichloroethylene	MW-49	10/09/1998		9.5	1.0	ug/L
Trichloroethylene	MW-49	1/26/1999		11.1	1.0	ug/L
Trichloroethylene	MW-49	4/19/1999		13.1	1.0	ug/L
Trichloroethylene	MW-49	7/29/1999		10.4	1.0	ug/L
Trichloroethylene	MW-49	10/04/1999		9.8	1.0	ug/L
Trichloroethylene	MW-49	1/06/2000		7.9	1.0	ug/L
Trichloroethylene	MW-49	4/13/2000		5.0	1.0	ug/L
Trichloroethylene	MW-49	7/05/2000		12.0	1.0	ug/L
Trichloroethylene	MW-49	9/11/2000		6.4	1.0	ug/L
Trichloroethylene	MW-49	10/08/2000		4.0	1.0	ug/L
Trichloroethylene	MW-49	1/18/2001		1.2	1.0	ug/L
Trichloroethylene	MW-49	4/27/2001		1.2	1.0	ug/L
Trichloroethylene	MW-49	7/23/2001		2.4	1.0	ug/L
Trichloroethylene	MW-49	10/18/2001		1.5	1.0	ug/L
Trichloroethylene	MW-49	1/25/2002		2.0	1.0	ug/L
Trichloroethylene	MW-49	4/26/2004		.4	.3	ug/L
Trichloroethylene	MW-49	6/27/2008		1.0	1.0	ug/L
Trichloroethylene	MW-49	8/04/2008		1.5	1.0	ug/L
Trichloroethylene	MW-49	4/02/2009		1.0	1.0	ug/L
Trichloroethylene	MW-49	10/21/2009		1.9	1.0	ug/L
Vinyl chloride	MW-49	3/28/2008		6.6	1.0	ug/L
Vinyl chloride	MW-49	6/27/2008		6.6	1.0	ug/L
Vinyl chloride	MW-49	8/04/2008		7.2	1.0	ug/L
Vinyl chloride	MW-49	10/03/2008		6.0	1.0	ug/L
Vinyl chloride	MW-49	12/08/2008		6.8	1.0	ug/L
Vinyl chloride	MW-49	4/02/2009		7.2	1.0	ug/L
Vinyl chloride	MW-49	10/21/2009		6.8	1.0	ug/L
Vinyl chloride	MW-49	4/20/2010		5.6	1.0	ug/L
Vinyl chloride	MW-49	10/08/2010		5.1	1.0	ug/L
Vinyl chloride	MW-49	4/05/2011		7.0	1.0	ug/L
Vinyl chloride	MW-49	10/06/2011		3.2	1.0	ug/L
Vinyl chloride	MW-49	4/10/2012		5.7	1.0	ug/L
Vinyl chloride	MW-49	10/09/2012		3.3	1.0	ug/L
Vinyl chloride	MW-49	4/04/2013		4.5	1.0	ug/L
Vinyl chloride	MW-49	10/16/2013		3.4	1.0	ug/L
Vinyl chloride	MW-49	4/10/2014		3.8	1.0	ug/L
Vinyl chloride	MW-49	10/16/2014		4.6	1.0	ug/L
Vinyl chloride	MW-49	4/06/2015		3.1	1.0	ug/L
Vinyl chloride	MW-49	10/01/2015		3.1	1.0	ug/L
Vinyl chloride	MW-49	4/14/2016		4.0	1.0	ug/L
Vinyl chloride	MW-49	10/13/2016		5.1	1.0	ug/L
Vinyl chloride	MW-49	4/10/2017		5.5	1.0	ug/L
Vinyl chloride	MW-49	10/09/2017		3.2	1.0	ug/L
Vinyl chloride	MW-49	4/17/2018		1.1	1.0	ug/L
Vinyl chloride	MW-49	10/22/2018		2.6	1.0	ug/L
Vinyl chloride	MW-49	4/22/2019		2.8	1.0	ug/L
Vinyl chloride	MW-49	10/23/2019		1.4	1.0	ug/L
Vinyl chloride	MW-49	4/10/2020		1.1	1.0	ug/L
Vinyl chloride	MW-49	10/19/2020		2.4	1.0	ug/L
1,1,1-trichloroethane	MW-54	10/23/1992		16.8	1.0	ug/L
1,1,1-trichloroethane	MW-54	1/21/1993		20.8	1.0	ug/L
1,1,1-trichloroethane	MW-54	4/22/1993		29.4	1.0	ug/L
1,1,1-trichloroethane	MW-54	7/13/1993		49.9	1.0	ug/L
1,1,1-trichloroethane	MW-54	7/26/1999		1.1	1.0	ug/L
1,1,1-trichloroethane	MW-54	10/04/1999		1.4	1.0	ug/L
1,1,1-trichloroethane	MW-54	1/06/2000		1.5	1.0	ug/L
1,1,1-trichloroethane	MW-54	4/13/2000		1.0	1.0	ug/L
1,1,1-trichloroethane	MW-54	7/05/2000		.9	.5	ug/L
1,1,1-trichloroethane	MW-54	9/11/2000		.8	.5	ug/L
1,1-dichloroethane	MW-54	3/28/2008		1.8	1.0	ug/L
1,1-dichloroethane	MW-54	6/25/2008		1.4	1.0	ug/L
1,1-dichloroethane	MW-54	8/04/2008		1.2	1.0	ug/L
1,1-dichloroethane	MW-54	12/08/2008		1.7	1.0	ug/L
1,1-dichloroethane	MW-54	4/02/2009		1.2	1.0	ug/L
1,1-dichloroethane	MW-54	10/21/2009		1.4	1.0	ug/L
1,1-dichloroethane	MW-54	4/20/2010		2.2	1.0	ug/L
1,1-dichloroethane	MW-54	10/08/2010		5.0	1.0	ug/L
1,1-dichloroethane	MW-54	4/05/2011		8.8	1.0	ug/L
1,1-dichloroethane	MW-54	10/06/2011		8.7	1.0	ug/L
1,1-dichloroethane	MW-54	4/10/2012		14.6	1.0	ug/L
1,1-dichloroethane	MW-54	10/09/2012		16.0	1.0	ug/L
1,1-dichloroethane	MW-54	4/04/2013		17.0	1.0	ug/L
1,1-dichloroethane	MW-54	10/16/2013		19.7	1.0	ug/L
1,1-dichloroethane	MW-54	4/10/2014		18.9	1.0	ug/L
1,1-dichloroethane	MW-54	10/16/2014		17.5	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-54	4/06/2015		13.4	1.0	ug/L
1,1-dichloroethane	MW-54	10/01/2015		12.2	1.0	ug/L
1,1-dichloroethane	MW-54	4/14/2016		11.0	1.0	ug/L
1,1-dichloroethane	MW-54	10/13/2016		13.0	1.0	ug/L
1,1-dichloroethane	MW-54	4/10/2017		10.4	1.0	ug/L
1,1-dichloroethane	MW-54	10/09/2017		11.2	1.0	ug/L
1,1-dichloroethane	MW-54	4/17/2018		7.8	1.0	ug/L
1,1-dichloroethane	MW-54	10/22/2018		3.8	1.0	ug/L
1,1-dichloroethane	MW-54	4/22/2019		4.7	1.0	ug/L
1,1-dichloroethane	MW-54	10/23/2019		2.9	1.0	ug/L
1,1-dichloroethane	MW-54	10/19/2020		1.9	1.0	ug/L
1,1-dichloroethane	MW-54	10/08/2021		1.2	1.0	ug/L
1,1-dichloroethane	MW-54	10/25/2022		1.1	1.0	ug/L
1,1-dichloroethylene	MW-54	10/18/2001		18.9	1.0	ug/L
1,4-dichlorobenzene	MW-54	3/28/2008		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-54	6/25/2008		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-54	8/04/2008		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-54	12/08/2008		1.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/02/2009		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/21/2009		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/20/2010		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/05/2011		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/06/2011		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/16/2013		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/10/2014		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/16/2014		2.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/06/2015		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/01/2015		2.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/14/2016		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/13/2016		2.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/10/2017		2.7	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/09/2017		3.5	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/17/2018		4.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/22/2019		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/23/2019		3.5	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/19/2020		3.8	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/05/2021		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/08/2021		2.8	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/06/2022		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/25/2022		3.1	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/11/2023		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/13/2023		4.1	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/17/2024		2.3	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/15/2024		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-54	4/14/2025		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-54	10/06/2025		1.7	1.0	ug/L
Acetone	MW-54	10/09/2017		18.1	10.0	ug/L
Benzene	MW-54	7/26/1999		2.1	1.0	ug/L
Benzene	MW-54	10/04/1999		1.4	1.0	ug/L
Benzene	MW-54	1/06/2000		1.2	1.0	ug/L
Benzene	MW-54	4/13/2000		1.3	1.0	ug/L
Benzene	MW-54	7/05/2000		1.7	1.0	ug/L
Benzene	MW-54	9/11/2000		1.8	1.0	ug/L
Benzene	MW-54	4/27/2001		2.1	1.0	ug/L
Benzene	MW-54	7/23/2001		1.7	1.0	ug/L
Benzene	MW-54	10/05/2005		1.0	1.0	ug/L
Benzene	MW-54	4/05/2006		.6	.5	ug/L
Benzene	MW-54	10/16/2013		1.0	1.0	ug/L
Benzene	MW-54	10/16/2014		1.0	1.0	ug/L
Benzene	MW-54	10/13/2016		1.0	1.0	ug/L
Benzene	MW-54	10/09/2017		1.0	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-54	12/08/2008		16	8	ug/L
Chloroethane	MW-54	3/28/2008		9.7	1.0	ug/L
Chloroethane	MW-54	6/25/2008		7.4	1.0	ug/L
Chloroethane	MW-54	8/04/2008		6.0	1.0	ug/L
Chloroethane	MW-54	10/03/2008		5.0	1.0	ug/L
Chloroethane	MW-54	12/08/2008		5.1	1.0	ug/L
Chloroethane	MW-54	4/02/2009		5.1	1.0	ug/L
Chloroethane	MW-54	10/21/2009		8.2	1.0	ug/L
Chloroethane	MW-54	4/20/2010		5.6	1.0	ug/L
Chloroethane	MW-54	10/08/2010		7.8	1.0	ug/L
Chloroethane	MW-54	4/05/2011		13.0	1.0	ug/L
Chloroethane	MW-54	10/06/2011		11.5	1.0	ug/L
Chloroethane	MW-54	4/10/2012		14.3	1.0	ug/L
Chloroethane	MW-54	10/09/2012		15.6	1.0	ug/L
Chloroethane	MW-54	4/04/2013		15.9	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-54	10/16/2013		12.0	1.0	ug/L
Chloroethane	MW-54	4/10/2014		17.3	1.0	ug/L
Chloroethane	MW-54	10/16/2014		20.6	1.0	ug/L
Chloroethane	MW-54	4/06/2015		14.1	1.0	ug/L
Chloroethane	MW-54	10/01/2015		13.6	1.0	ug/L
Chloroethane	MW-54	4/14/2016		5.8	1.0	ug/L
Chloroethane	MW-54	10/13/2016		13.7	1.0	ug/L
Chloroethane	MW-54	4/10/2017		10.5	1.0	ug/L
Chloroethane	MW-54	10/09/2017		11.4	1.0	ug/L
Chloroethane	MW-54	4/17/2018		8.5	1.0	ug/L
Chloroethane	MW-54	10/22/2018		2.0	1.0	ug/L
Chloroethane	MW-54	4/22/2019		4.0	1.0	ug/L
Chloroethane	MW-54	10/23/2019		4.3	1.0	ug/L
Chloroethane	MW-54	4/10/2020		1.9	1.0	ug/L
Chloroethane	MW-54	10/19/2020		2.7	1.0	ug/L
Chloroethane	MW-54	10/25/2022		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	3/28/2008		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	6/25/2008		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	8/04/2008		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	12/08/2008		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/02/2009		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/21/2009		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/20/2010		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/08/2010		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/05/2011		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/06/2011		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/10/2012		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/09/2012		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/04/2013		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/16/2013		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/10/2014		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/16/2014		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/06/2015		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/01/2015		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/14/2016		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/13/2016		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/10/2017		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	10/09/2017		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-54	4/17/2018		1.2	1.0	ug/L
Toluene	MW-54	4/22/2019		1.3	1.0	ug/L
Trichloroethylene	MW-54	1/21/1993		1.0	1.0	ug/L
Trichloroethylene	MW-54	4/22/1993		2.2	1.0	ug/L
Trichloroethylene	MW-54	7/13/1993		4.9	1.0	ug/L
Trichloroethylene	MW-54	7/29/1999		7.0	1.0	ug/L
Trichloroethylene	MW-54	10/04/1999		6.0	1.0	ug/L
Trichloroethylene	MW-54	1/06/2000		6.3	1.0	ug/L
Trichloroethylene	MW-54	4/13/2000		5.1	1.0	ug/L
Trichloroethylene	MW-54	7/05/2000		5.7	1.0	ug/L
Trichloroethylene	MW-54	9/11/2000		6.5	1.0	ug/L
Trichloroethylene	MW-54	10/08/2000		5.0	1.0	ug/L
Trichloroethylene	MW-54	4/27/2001		5.9	1.0	ug/L
Trichloroethylene	MW-54	7/23/2001		6.3	1.0	ug/L
Trichloroethylene	MW-54	10/18/2001		4.8	1.0	ug/L
Trichloroethylene	MW-54	1/25/2002		5.6	1.0	ug/L
Trichloroethylene	MW-54	4/24/2002		5.7	1.0	ug/L
Trichloroethylene	MW-54	7/22/2002		5.3	1.0	ug/L
Trichloroethylene	MW-54	10/14/2002		5.0	1.0	ug/L
Trichloroethylene	MW-54	1/29/2003		5.2	1.0	ug/L
Trichloroethylene	MW-54	7/11/2003		4.3	1.0	ug/L
Trichloroethylene	MW-54	10/06/2003		4.3	1.0	ug/L
Trichloroethylene	MW-54	4/26/2004		4.4	1.0	ug/L
Trichloroethylene	MW-54	10/05/2004		5.5	1.0	ug/L
Trichloroethylene	MW-54	4/11/2005		3.9	1.0	ug/L
Trichloroethylene	MW-54	10/05/2005		4.0	1.0	ug/L
Trichloroethylene	MW-54	4/05/2006		3.4	1.0	ug/L
Trichloroethylene	MW-54	10/04/2006		2.7	1.0	ug/L
Trichloroethylene	MW-54	4/12/2007		2.3	1.0	ug/L
Trichloroethylene	MW-54	10/10/2007		2.1	1.0	ug/L
Trichloroethylene	MW-54	3/28/2008		1.2	1.0	ug/L
Trichloroethylene	MW-54	12/08/2008		1.4	1.0	ug/L
Vinyl chloride	MW-54	4/10/2012		1.1	1.0	ug/L
Vinyl chloride	MW-54	10/09/2012		1.0	1.0	ug/L
Vinyl chloride	MW-54	10/16/2014		1.0	1.0	ug/L
Vinyl chloride	MW-54	10/01/2015		1.0	1.0	ug/L
Vinyl chloride	MW-54	10/13/2016		2.0	1.0	ug/L
Vinyl chloride	MW-54	4/10/2017		1.8	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Vinyl chloride	MW-54	10/09/2017		1.6	1.0	ug/L
1,1-dichloroethane	MW-66	8/05/2008		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-66	8/05/2008		1.1	1.0	ug/L
1,1,1-trichloroethane	MW-81	7/13/1993		1.1	1.0	ug/L
1,1,1-trichloroethane	MW-81	1/25/1994		2.2	1.0	ug/L
1,1,1-trichloroethane	MW-81	4/14/1994		1.4	1.0	ug/L
1,1,1-trichloroethane	MW-81	7/08/1994		1.2	1.0	ug/L
1,1,1-trichloroethane	MW-81	10/20/1994		1.2	1.0	ug/L
1,1,1-trichloroethane	MW-81	4/21/1995		1.1	1.0	ug/L
1,1,1-trichloroethane	MW-81	7/07/1995		1.3	1.0	ug/L
1,1,1-trichloroethane	MW-81	7/17/1996		1.6	1.0	ug/L
1,1,1-trichloroethane	MW-81	10/08/1996		1.5	1.0	ug/L
1,1,1-trichloroethane	MW-81	1/21/1997		1.4	1.0	ug/L
1,1,1-trichloroethane	MW-81	4/11/1997		2.2	1.0	ug/L
1,1,1-trichloroethane	MW-81	10/09/1998		1.1	1.0	ug/L
1,1-dichloroethane	MW-81	3/28/2008		59.5	1.0	ug/L
1,1-dichloroethane	MW-81	6/20/2008		50.6	1.0	ug/L
1,1-dichloroethane	MW-81	8/04/2008		56.8	1.0	ug/L
1,1-dichloroethane	MW-81	10/03/2008		70.7	1.0	ug/L
1,1-dichloroethane	MW-81	12/08/2008		53.4	1.0	ug/L
1,1-dichloroethane	MW-81	4/01/2009		54.3	1.0	ug/L
1,1-dichloroethane	MW-81	10/21/2009		58.2	1.0	ug/L
1,1-dichloroethane	MW-81	4/20/2010		47.6	1.0	ug/L
1,1-dichloroethane	MW-81	10/08/2010		34.8	1.0	ug/L
1,1-dichloroethane	MW-81	4/05/2011		44.1	1.0	ug/L
1,1-dichloroethane	MW-81	10/06/2011		41.3	1.0	ug/L
1,1-dichloroethane	MW-81	4/10/2012		38.1	1.0	ug/L
1,1-dichloroethane	MW-81	10/09/2012		42.8	1.0	ug/L
1,1-dichloroethane	MW-81	4/04/2013		39.0	1.0	ug/L
1,1-dichloroethane	MW-81	10/16/2013		49.2	1.0	ug/L
1,1-dichloroethane	MW-81	4/10/2014		46.6	1.0	ug/L
1,1-dichloroethane	MW-81	10/16/2014		44.6	1.0	ug/L
1,1-dichloroethane	MW-81	4/03/2015		39.2	1.0	ug/L
1,1-dichloroethane	MW-81	10/01/2015		38.6	1.0	ug/L
1,1-dichloroethane	MW-81	4/14/2016		27.5	1.0	ug/L
1,1-dichloroethane	MW-81	10/13/2016		29.7	1.0	ug/L
1,1-dichloroethane	MW-81	4/10/2017		25.9	1.0	ug/L
1,1-dichloroethane	MW-81	10/09/2017		33.9	1.0	ug/L
1,1-dichloroethane	MW-81	4/17/2018		24.5	1.0	ug/L
1,1-dichloroethane	MW-81	10/22/2018		19.0	1.0	ug/L
1,1-dichloroethane	MW-81	4/22/2019		13.8	1.0	ug/L
1,1-dichloroethane	MW-81	10/23/2019		11.0	1.0	ug/L
1,1-dichloroethane	MW-81	4/10/2020		10.8	1.0	ug/L
1,1-dichloroethane	MW-81	10/19/2020		27.9	1.0	ug/L
1,1-dichloroethane	MW-81	4/05/2021		15.8	1.0	ug/L
1,1-dichloroethane	MW-81	10/08/2021		29.3	1.0	ug/L
1,1-dichloroethane	MW-81	4/06/2022		21.5	1.0	ug/L
1,1-dichloroethane	MW-81	10/25/2022		27.7	1.0	ug/L
1,1-dichloroethane	MW-81	4/11/2023		23.9	1.0	ug/L
1,1-dichloroethane	MW-81	10/13/2023		30.0	1.0	ug/L
1,1-dichloroethane	MW-81	4/16/2024		28.2	1.0	ug/L
1,1-dichloroethane	MW-81	10/15/2024		24.8	1.0	ug/L
1,1-dichloroethane	MW-81	4/14/2025		24.6	1.0	ug/L
1,1-dichloroethane	MW-81	10/06/2025		20.2	1.0	ug/L
1,1-dichloroethylene	MW-81	1/25/1994		3.6	1.0	ug/L
1,1-dichloroethylene	MW-81	7/07/1995		1.2	1.0	ug/L
1,2-dichlorobenzene	MW-81	4/22/2019		1.9	1.0	ug/L
1,2-dichlorobenzene	MW-81	10/23/2019		1.3	1.0	ug/L
1,2-dichlorobenzene	MW-81	4/10/2020		2.0	1.0	ug/L
1,2-dichlorobenzene	MW-81	10/19/2020		1.1	1.0	ug/L
1,2-dichlorobenzene	MW-81	10/06/2025		1.2	1.0	ug/L
1,2-dichloroethane	MW-81	7/08/1994		2.2	1.0	ug/L
1,2-dichloroethane	MW-81	10/20/1994		2.1	1.0	ug/L
1,2-dichloroethane	MW-81	1/04/1995		2.6	1.0	ug/L
1,2-dichloroethane	MW-81	4/21/1995		1.6	1.0	ug/L
1,2-dichloroethane	MW-81	7/07/1995		1.7	1.0	ug/L
1,2-dichloroethane	MW-81	10/12/1995		3.1	1.0	ug/L
1,2-dichloroethane	MW-81	7/17/1996		1.6	1.0	ug/L
1,2-dichloroethane	MW-81	10/08/1996		3.0	1.0	ug/L
1,2-dichloroethane	MW-81	1/21/1997		2.2	1.0	ug/L
1,2-dichloroethane	MW-81	10/04/1999		3.5	1.0	ug/L
1,2-dichloroethane	MW-81	1/06/2000		3.4	1.0	ug/L
1,2-dichloroethane	MW-81	4/13/2000		2.9	1.0	ug/L
1,2-dichloroethane	MW-81	7/05/2000		6.6	1.0	ug/L
1,2-dichloroethane	MW-81	10/08/2000		3.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/27/2001		2.6	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,2-dichloroethane	MW-81	10/18/2001		3.3	1.0	ug/L
1,2-dichloroethane	MW-81	4/24/2002		4.2	1.0	ug/L
1,2-dichloroethane	MW-81	10/14/2002		3.5	1.0	ug/L
1,2-dichloroethane	MW-81	10/06/2003		3.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/26/2004		2.8	1.0	ug/L
1,2-dichloroethane	MW-81	4/05/2006		3.0	1.0	ug/L
1,2-dichloroethane	MW-81	10/04/2006		2.0	1.0	ug/L
1,2-dichloroethane	MW-81	4/12/2007		2.4	1.0	ug/L
1,2-dichloroethane	MW-81	10/10/2007		2.4	1.0	ug/L
1,2-dichloroethane	MW-81	3/28/2008		2.1	1.0	ug/L
1,2-dichloroethane	MW-81	6/20/2008		2.9	1.0	ug/L
1,2-dichloroethane	MW-81	8/04/2008		2.7	1.0	ug/L
1,2-dichloroethane	MW-81	12/08/2008		2.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/01/2009		2.7	1.0	ug/L
1,2-dichloroethane	MW-81	10/21/2009		3.4	1.0	ug/L
1,2-dichloroethane	MW-81	4/20/2010		3.6	1.0	ug/L
1,2-dichloroethane	MW-81	4/05/2011		3.2	1.0	ug/L
1,2-dichloroethane	MW-81	10/06/2011		4.5	1.0	ug/L
1,2-dichloroethane	MW-81	4/10/2012		3.7	1.0	ug/L
1,2-dichloroethane	MW-81	10/09/2012		6.5	1.0	ug/L
1,2-dichloroethane	MW-81	4/04/2013		5.4	1.0	ug/L
1,2-dichloroethane	MW-81	10/16/2013		10.8	1.0	ug/L
1,2-dichloroethane	MW-81	4/10/2014		11.3	1.0	ug/L
1,2-dichloroethane	MW-81	10/16/2014		7.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/03/2015		6.5	1.0	ug/L
1,2-dichloroethane	MW-81	10/01/2015		8.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/14/2016		4.7	1.0	ug/L
1,2-dichloroethane	MW-81	10/13/2016		6.4	1.0	ug/L
1,2-dichloroethane	MW-81	4/10/2017		4.2	1.0	ug/L
1,2-dichloroethane	MW-81	10/09/2017		9.9	1.0	ug/L
1,2-dichloroethane	MW-81	4/17/2018		5.8	1.0	ug/L
1,2-dichloroethane	MW-81	10/22/2018		2.9	1.0	ug/L
1,2-dichloroethane	MW-81	4/22/2019		2.1	1.0	ug/L
1,2-dichloroethane	MW-81	4/10/2020		2.4	1.0	ug/L
1,2-dichloroethane	MW-81	10/19/2020		7.7	1.0	ug/L
1,2-dichloroethane	MW-81	4/05/2021		3.9	1.0	ug/L
1,2-dichloroethane	MW-81	10/08/2021		9.8	1.0	ug/L
1,2-dichloroethane	MW-81	4/06/2022		5.7	1.0	ug/L
1,2-dichloroethane	MW-81	10/25/2022		12.8	1.0	ug/L
1,2-dichloroethane	MW-81	4/11/2023		6.9	1.0	ug/L
1,2-dichloroethane	MW-81	10/13/2023		15.6	1.0	ug/L
1,2-dichloroethane	MW-81	4/16/2024		12.3	1.0	ug/L
1,2-dichloroethane	MW-81	10/15/2024		11.2	1.0	ug/L
1,2-dichloroethane	MW-81	4/14/2025		10.0	1.0	ug/L
1,2-dichloroethane	MW-81	10/06/2025		8.5	1.0	ug/L
1,2-dichloropropane	MW-81	3/28/2008		12.2	1.0	ug/L
1,2-dichloropropane	MW-81	6/20/2008		5.1	1.0	ug/L
1,2-dichloropropane	MW-81	8/04/2008		9.1	1.0	ug/L
1,2-dichloropropane	MW-81	12/08/2008		12.0	1.0	ug/L
1,2-dichloropropane	MW-81	4/01/2009		17.3	1.0	ug/L
1,2-dichloropropane	MW-81	10/21/2009		10.0	1.0	ug/L
1,2-dichloropropane	MW-81	4/20/2010		7.0	1.0	ug/L
1,2-dichloropropane	MW-81	10/08/2010		5.9	1.0	ug/L
1,2-dichloropropane	MW-81	4/05/2011		14.7	1.0	ug/L
1,2-dichloropropane	MW-81	10/06/2011		16.7	1.0	ug/L
1,2-dichloropropane	MW-81	4/10/2012		12.6	1.0	ug/L
1,2-dichloropropane	MW-81	10/09/2012		17.5	1.0	ug/L
1,2-dichloropropane	MW-81	4/04/2013		16.7	1.0	ug/L
1,2-dichloropropane	MW-81	10/16/2013		22.7	1.0	ug/L
1,2-dichloropropane	MW-81	4/10/2014		18.1	1.0	ug/L
1,2-dichloropropane	MW-81	10/16/2014		19.6	1.0	ug/L
1,2-dichloropropane	MW-81	4/03/2015		16.1	1.0	ug/L
1,2-dichloropropane	MW-81	10/01/2015		15.8	1.0	ug/L
1,2-dichloropropane	MW-81	4/14/2016		11.1	1.0	ug/L
1,2-dichloropropane	MW-81	10/13/2016		10.6	1.0	ug/L
1,2-dichloropropane	MW-81	4/10/2017		9.1	1.0	ug/L
1,2-dichloropropane	MW-81	10/09/2017		12.6	1.0	ug/L
1,2-dichloropropane	MW-81	4/17/2018		8.6	1.0	ug/L
1,2-dichloropropane	MW-81	10/22/2018		4.9	1.0	ug/L
1,2-dichloropropane	MW-81	4/22/2019		1.9	1.0	ug/L
1,2-dichloropropane	MW-81	10/23/2019		1.5	1.0	ug/L
1,2-dichloropropane	MW-81	4/10/2020		1.1	1.0	ug/L
1,2-dichloropropane	MW-81	10/19/2020		7.9	1.0	ug/L
1,2-dichloropropane	MW-81	4/05/2021		4.0	1.0	ug/L
1,2-dichloropropane	MW-81	10/08/2021		9.3	1.0	ug/L
1,2-dichloropropane	MW-81	4/06/2022		2.6	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,2-dichloropropane	MW-81	10/25/2022		8.1	1.0	ug/L
1,2-dichloropropane	MW-81	4/11/2023		3.5	1.0	ug/L
1,2-dichloropropane	MW-81	10/13/2023		8.4	1.0	ug/L
1,2-dichloropropane	MW-81	4/16/2024		6.5	1.0	ug/L
1,2-dichloropropane	MW-81	10/15/2024		6.9	1.0	ug/L
1,2-dichloropropane	MW-81	4/14/2025		2.8	1.0	ug/L
1,2-dichloropropane	MW-81	10/06/2025		4.5	1.0	ug/L
1,4-dichlorobenzene	MW-81	1/06/2000		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/13/2000		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-81	7/05/2000		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-81	6/20/2008		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-81	8/04/2008		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-81	12/08/2008		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/01/2009		1.3	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/21/2009		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/20/2010		3.5	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/08/2010		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/05/2011		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/06/2011		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/10/2012		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/09/2012		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/04/2013		2.3	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/16/2013		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/10/2014		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/16/2014		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/03/2015		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/01/2015		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/14/2016		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/13/2016		3.2	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/10/2017		2.8	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/09/2017		3.4	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/17/2018		4.2	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/22/2019		8.0	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/23/2019		7.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/19/2020		6.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/05/2021		5.2	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/08/2021		5.0	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/06/2022		4.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/25/2022		5.8	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/11/2023		4.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/13/2023		5.7	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/16/2024		4.7	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/15/2024		5.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	4/14/2025		5.6	1.0	ug/L
1,4-dichlorobenzene	MW-81	10/06/2025		7.4	1.0	ug/L
Acetone	MW-81	3/28/2008		31.0	10.0	ug/L
Acetone	MW-81	10/21/2009		61.2	10.0	ug/L
Acetone	MW-81	10/22/2018		26.7	10.0	ug/L
Benzene	MW-81	7/13/1993		4.8	1.0	ug/L
Benzene	MW-81	1/25/1994		21.4	10.0	ug/L
Benzene	MW-81	4/14/1994		8.0	1.0	ug/L
Benzene	MW-81	7/08/1994		8.9	1.0	ug/L
Benzene	MW-81	10/20/1994		6.3	1.0	ug/L
Benzene	MW-81	1/04/1995		2.2	1.0	ug/L
Benzene	MW-81	10/08/1996		1.0	1.0	ug/L
Benzene	MW-81	4/19/1999		1.1	1.0	ug/L
Benzene	MW-81	10/04/1999		1.0	1.0	ug/L
Benzene	MW-81	1/06/2000		1.1	1.0	ug/L
Benzene	MW-81	7/05/2000		1.1	1.0	ug/L
Benzene	MW-81	4/24/2002		1.0	1.0	ug/L
Benzene	MW-81	4/22/2003		1.0	1.0	ug/L
Benzene	MW-81	3/28/2008		2.2	1.0	ug/L
Benzene	MW-81	6/20/2008		4.2	1.0	ug/L
Benzene	MW-81	8/04/2008		3.4	1.0	ug/L
Benzene	MW-81	12/08/2008		3.0	1.0	ug/L
Benzene	MW-81	4/01/2009		2.2	1.0	ug/L
Benzene	MW-81	10/21/2009		3.6	1.0	ug/L
Benzene	MW-81	4/20/2010		4.0	1.0	ug/L
Benzene	MW-81	10/08/2010		3.6	1.0	ug/L
Benzene	MW-81	4/05/2011		2.2	1.0	ug/L
Benzene	MW-81	10/06/2011		2.0	1.0	ug/L
Benzene	MW-81	4/10/2012		2.3	1.0	ug/L
Benzene	MW-81	10/09/2012		1.2	1.0	ug/L
Benzene	MW-81	4/04/2013		1.1	1.0	ug/L
Benzene	MW-81	10/16/2013		1.2	1.0	ug/L
Benzene	MW-81	10/13/2016		1.3	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-81	4/10/2017		1.5	1.0	ug/L
Benzene	MW-81	10/09/2017		1.1	1.0	ug/L
Benzene	MW-81	4/17/2018		1.0	1.0	ug/L
Benzene	MW-81	4/22/2019		2.9	1.0	ug/L
Benzene	MW-81	10/23/2019		2.7	1.0	ug/L
Benzene	MW-81	4/10/2020		2.9	1.0	ug/L
Benzene	MW-81	10/19/2020		1.5	1.0	ug/L
Benzene	MW-81	4/05/2021		1.1	1.0	ug/L
Benzene	MW-81	10/06/2025		1.2	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-81	4/03/2015		36	10	ug/L
Carbon disulfide	MW-81	10/06/2025		1.6	1.0	ug/L
Chlorobenzene	MW-81	10/13/2016		1.1	1.0	ug/L
Chlorobenzene	MW-81	4/10/2017		1.0	1.0	ug/L
Chlorobenzene	MW-81	10/09/2017		1.1	1.0	ug/L
Chlorobenzene	MW-81	4/17/2018		1.1	1.0	ug/L
Chlorobenzene	MW-81	4/22/2019		1.4	1.0	ug/L
Chlorobenzene	MW-81	10/23/2019		1.4	1.0	ug/L
Chlorobenzene	MW-81	4/10/2020		1.3	1.0	ug/L
Chlorobenzene	MW-81	10/19/2020		1.5	1.0	ug/L
Chlorobenzene	MW-81	4/05/2021		1.2	1.0	ug/L
Chlorobenzene	MW-81	10/08/2021		1.3	1.0	ug/L
Chlorobenzene	MW-81	4/06/2022		1.2	1.0	ug/L
Chlorobenzene	MW-81	10/25/2022		1.7	1.0	ug/L
Chlorobenzene	MW-81	4/11/2023		1.4	1.0	ug/L
Chlorobenzene	MW-81	10/13/2023		1.9	1.0	ug/L
Chlorobenzene	MW-81	4/16/2024		1.7	1.0	ug/L
Chlorobenzene	MW-81	10/15/2024		1.8	1.0	ug/L
Chlorobenzene	MW-81	4/14/2025		1.8	1.0	ug/L
Chlorobenzene	MW-81	10/06/2025		2.0	1.0	ug/L
Chloroethane	MW-81	3/28/2008		13.4	1.0	ug/L
Chloroethane	MW-81	6/20/2008		13.9	1.0	ug/L
Chloroethane	MW-81	8/04/2008		13.4	1.0	ug/L
Chloroethane	MW-81	10/03/2008		14.2	1.0	ug/L
Chloroethane	MW-81	12/08/2008		15.0	1.0	ug/L
Chloroethane	MW-81	4/01/2009		14.0	1.0	ug/L
Chloroethane	MW-81	10/21/2009		18.1	1.0	ug/L
Chloroethane	MW-81	4/20/2010		14.4	1.0	ug/L
Chloroethane	MW-81	10/08/2010		12.9	1.0	ug/L
Chloroethane	MW-81	4/05/2011		14.0	1.0	ug/L
Chloroethane	MW-81	10/06/2011		13.2	1.0	ug/L
Chloroethane	MW-81	4/10/2012		12.2	1.0	ug/L
Chloroethane	MW-81	10/09/2012		11.5	1.0	ug/L
Chloroethane	MW-81	4/04/2013		10.2	1.0	ug/L
Chloroethane	MW-81	10/16/2013		12.5	1.0	ug/L
Chloroethane	MW-81	4/10/2014		13.4	1.0	ug/L
Chloroethane	MW-81	10/16/2014		13.3	1.0	ug/L
Chloroethane	MW-81	4/03/2015		13.7	1.0	ug/L
Chloroethane	MW-81	10/01/2015		8.6	1.0	ug/L
Chloroethane	MW-81	4/14/2016		7.5	1.0	ug/L
Chloroethane	MW-81	10/13/2016		11.5	1.0	ug/L
Chloroethane	MW-81	4/10/2017		9.8	1.0	ug/L
Chloroethane	MW-81	10/09/2017		8.7	1.0	ug/L
Chloroethane	MW-81	4/17/2018		7.1	1.0	ug/L
Chloroethane	MW-81	10/22/2018		5.2	1.0	ug/L
Chloroethane	MW-81	4/22/2019		6.0	1.0	ug/L
Chloroethane	MW-81	10/23/2019		7.8	1.0	ug/L
Chloroethane	MW-81	4/10/2020		6.0	1.0	ug/L
Chloroethane	MW-81	10/19/2020		9.2	1.0	ug/L
Chloroethane	MW-81	4/05/2021		5.6	1.0	ug/L
Chloroethane	MW-81	10/08/2021		5.7	1.0	ug/L
Chloroethane	MW-81	4/06/2022		5.0	1.0	ug/L
Chloroethane	MW-81	10/25/2022		7.2	1.0	ug/L
Chloroethane	MW-81	4/11/2023		5.4	1.0	ug/L
Chloroethane	MW-81	10/13/2023		6.5	1.0	ug/L
Chloroethane	MW-81	4/16/2024		6.8	1.0	ug/L
Chloroethane	MW-81	10/15/2024		6.0	1.0	ug/L
Chloroethane	MW-81	4/14/2025		6.0	1.0	ug/L
Chloroethane	MW-81	10/06/2025		6.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-81	3/28/2008		133	1	ug/L
Cis-1,2-dichloroethylene	MW-81	6/20/2008		209	1	ug/L
Cis-1,2-dichloroethylene	MW-81	8/04/2008		190	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/03/2008		206	1	ug/L
Cis-1,2-dichloroethylene	MW-81	12/08/2008		218	1	ug/L
Cis-1,2-dichloroethylene	MW-81	12/08/2008		188	5	ug/L
Cis-1,2-dichloroethylene	MW-81	4/01/2009		223	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/01/2009		215	5	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-81	10/21/2009		220	5	ug/L
Cis-1,2-dichloroethylene	MW-81	10/21/2009		228	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/20/2010		245	5	ug/L
Cis-1,2-dichloroethylene	MW-81	10/08/2010		295	5	ug/L
Cis-1,2-dichloroethylene	MW-81	4/05/2011		305	5	ug/L
Cis-1,2-dichloroethylene	MW-81	10/06/2011		250	5	ug/L
Cis-1,2-dichloroethylene	MW-81	4/10/2012		267	5	ug/L
Cis-1,2-dichloroethylene	MW-81	10/09/2012		295	5	ug/L
Cis-1,2-dichloroethylene	MW-81	4/04/2013		238	5	ug/L
Cis-1,2-dichloroethylene	MW-81	10/16/2013		268	5	ug/L
Cis-1,2-dichloroethylene	MW-81	4/10/2014		226	10	ug/L
Cis-1,2-dichloroethylene	MW-81	10/16/2014		288	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/03/2015		252	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/01/2015		201	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/14/2016		247	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/13/2016		243	10	ug/L
Cis-1,2-dichloroethylene	MW-81	4/10/2017		205	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/09/2017		188	5	ug/L
Cis-1,2-dichloroethylene	MW-81	4/17/2018		195	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/22/2018		101	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/22/2019		84	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/23/2019		127	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/10/2020		83	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/19/2020		210	10	ug/L
Cis-1,2-dichloroethylene	MW-81	4/05/2021		148	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/08/2021		188	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/06/2022		192	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/25/2022		225	10	ug/L
Cis-1,2-dichloroethylene	MW-81	4/11/2023		140	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/13/2023		181	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/16/2024		164	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/15/2024		127	1	ug/L
Cis-1,2-dichloroethylene	MW-81	4/14/2025		130	1	ug/L
Cis-1,2-dichloroethylene	MW-81	10/06/2025		135	1	ug/L
Tetrachloroethylene	MW-81	3/28/2008		3.6	1.0	ug/L
Tetrachloroethylene	MW-81	8/04/2008		1.1	1.0	ug/L
Tetrachloroethylene	MW-81	12/08/2008		1.3	1.0	ug/L
Tetrachloroethylene	MW-81	4/01/2009		6.7	1.0	ug/L
Tetrachloroethylene	MW-81	4/05/2011		1.7	1.0	ug/L
Tetrachloroethylene	MW-81	10/06/2011		2.0	1.0	ug/L
Tetrachloroethylene	MW-81	10/09/2012		1.6	1.0	ug/L
Tetrachloroethylene	MW-81	4/04/2013		1.0	1.0	ug/L
Tetrachloroethylene	MW-81	10/16/2013		4.0	1.0	ug/L
Toluene	MW-81	6/20/2008		2.2	1.0	ug/L
Toluene	MW-81	8/04/2008		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	3/28/2008		2.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	6/20/2008		3.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	8/04/2008		3.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/03/2008		2.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	12/08/2008		3.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/01/2009		2.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/21/2009		4.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/20/2010		4.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/08/2010		3.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/05/2011		3.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/06/2011		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/10/2012		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/09/2012		2.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/04/2013		3.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/16/2013		3.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/10/2014		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/16/2014		2.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/03/2015		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/01/2015		2.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/14/2016		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/13/2016		3.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/10/2017		3.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/09/2017		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/17/2018		2.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/22/2019		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/23/2019		2.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/10/2020		2.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/19/2020		4.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/05/2021		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/08/2021		1.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/25/2022		2.4	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trans-1,2-dichloroethylene	MW-81	4/11/2023		2.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/13/2023		2.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/16/2024		2.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/15/2024		2.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	4/14/2025		2.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-81	10/06/2025		2.6	1.0	ug/L
Trichloroethylene	MW-81	4/22/1993		2.8	1.0	ug/L
Trichloroethylene	MW-81	7/13/1993		14.6	1.0	ug/L
Trichloroethylene	MW-81	1/25/1994		61.2	1.0	ug/L
Trichloroethylene	MW-81	4/14/1994		30.0	1.0	ug/L
Trichloroethylene	MW-81	7/08/1994		39.8	1.0	ug/L
Trichloroethylene	MW-81	10/20/1994		48.7	1.0	ug/L
Trichloroethylene	MW-81	1/04/1995		59.2	1.0	ug/L
Trichloroethylene	MW-81	4/21/1995		41.2	1.0	ug/L
Trichloroethylene	MW-81	7/07/1995		50.1	1.0	ug/L
Trichloroethylene	MW-81	10/12/1995		64.4	1.0	ug/L
Trichloroethylene	MW-81	1/10/1996		59.7	1.0	ug/L
Trichloroethylene	MW-81	4/15/1996		61.1	1.0	ug/L
Trichloroethylene	MW-81	7/17/1996		34.6	1.0	ug/L
Trichloroethylene	MW-81	10/08/1996		46.0	1.0	ug/L
Trichloroethylene	MW-81	1/21/1997		38.8	1.0	ug/L
Trichloroethylene	MW-81	4/11/1997		42.4	1.0	ug/L
Trichloroethylene	MW-81	7/17/1997		42.9	1.0	ug/L
Trichloroethylene	MW-81	10/15/1997		45.5	1.0	ug/L
Trichloroethylene	MW-81	1/27/1998		44.1	1.0	ug/L
Trichloroethylene	MW-81	4/21/1998		36.7	1.0	ug/L
Trichloroethylene	MW-81	7/21/1998		33.5	1.0	ug/L
Trichloroethylene	MW-81	10/09/1998		35.8	1.0	ug/L
Trichloroethylene	MW-81	1/26/1999		41.2	1.0	ug/L
Trichloroethylene	MW-81	4/19/1999		35.4	1.0	ug/L
Trichloroethylene	MW-81	7/29/1999		33.0	1.0	ug/L
Trichloroethylene	MW-81	10/04/1999		52.8	1.0	ug/L
Trichloroethylene	MW-81	1/06/2000		72.2	1.0	ug/L
Trichloroethylene	MW-81	4/13/2000		57.8	1.0	ug/L
Trichloroethylene	MW-81	7/05/2000		100.0	1.0	ug/L
Trichloroethylene	MW-81	10/08/2000		55.9	1.0	ug/L
Trichloroethylene	MW-81	4/27/2001		57.8	1.0	ug/L
Trichloroethylene	MW-81	10/18/2001		61.9	1.0	ug/L
Trichloroethylene	MW-81	4/24/2002		71.3	1.0	ug/L
Trichloroethylene	MW-81	10/14/2002		41.2	1.0	ug/L
Trichloroethylene	MW-81	4/22/2003		49.9	1.0	ug/L
Trichloroethylene	MW-81	10/06/2003		38.4	1.0	ug/L
Trichloroethylene	MW-81	4/26/2004		39.4	1.0	ug/L
Trichloroethylene	MW-81	4/11/2005		44.5	1.0	ug/L
Trichloroethylene	MW-81	10/05/2005		20.2	1.0	ug/L
Trichloroethylene	MW-81	4/05/2006		32.5	1.0	ug/L
Trichloroethylene	MW-81	10/04/2006		21.1	1.0	ug/L
Trichloroethylene	MW-81	4/12/2007		16.2	1.0	ug/L
Trichloroethylene	MW-81	10/10/2007		37.2	1.0	ug/L
Trichloroethylene	MW-81	3/28/2008		21.3	1.0	ug/L
Trichloroethylene	MW-81	6/20/2008		22.0	1.0	ug/L
Trichloroethylene	MW-81	8/04/2008		15.8	1.0	ug/L
Trichloroethylene	MW-81	10/03/2008		17.8	1.0	ug/L
Trichloroethylene	MW-81	12/08/2008		12.0	1.0	ug/L
Trichloroethylene	MW-81	4/01/2009		36.2	1.0	ug/L
Trichloroethylene	MW-81	10/21/2009		10.2	1.0	ug/L
Trichloroethylene	MW-81	4/20/2010		6.4	1.0	ug/L
Trichloroethylene	MW-81	10/08/2010		5.2	1.0	ug/L
Trichloroethylene	MW-81	4/05/2011		21.2	1.0	ug/L
Trichloroethylene	MW-81	10/06/2011		12.5	1.0	ug/L
Trichloroethylene	MW-81	4/10/2012		10.1	1.0	ug/L
Trichloroethylene	MW-81	10/09/2012		12.2	1.0	ug/L
Trichloroethylene	MW-81	4/04/2013		11.9	1.0	ug/L
Trichloroethylene	MW-81	10/16/2013		18.3	1.0	ug/L
Trichloroethylene	MW-81	4/10/2014		7.1	1.0	ug/L
Trichloroethylene	MW-81	10/16/2014		10.0	1.0	ug/L
Trichloroethylene	MW-81	4/03/2015		6.7	1.0	ug/L
Trichloroethylene	MW-81	10/01/2015		12.2	1.0	ug/L
Trichloroethylene	MW-81	4/14/2016		4.7	1.0	ug/L
Trichloroethylene	MW-81	10/13/2016		2.1	1.0	ug/L
Trichloroethylene	MW-81	4/10/2017		5.4	1.0	ug/L
Trichloroethylene	MW-81	10/09/2017		9.4	1.0	ug/L
Trichloroethylene	MW-81	4/17/2018		4.3	1.0	ug/L
Trichloroethylene	MW-81	10/19/2020		3.0	1.0	ug/L
Trichloroethylene	MW-81	4/05/2021		2.0	1.0	ug/L
Trichloroethylene	MW-81	10/08/2021		2.3	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trichloroethylene	MW-81	4/06/2022		1.0	1.0	ug/L
Trichloroethylene	MW-81	10/25/2022		2.9	1.0	ug/L
Trichloroethylene	MW-81	4/11/2023		2.6	1.0	ug/L
Trichloroethylene	MW-81	10/13/2023		3.3	1.0	ug/L
Trichloroethylene	MW-81	4/16/2024		1.4	1.0	ug/L
Trichloroethylene	MW-81	10/15/2024		2.2	1.0	ug/L
Trichloroethylene	MW-81	10/06/2025		1.2	1.0	ug/L
Vinyl chloride	MW-81	3/28/2008		7.6	1.0	ug/L
Vinyl chloride	MW-81	6/20/2008		15.7	1.0	ug/L
Vinyl chloride	MW-81	8/04/2008		12.4	1.0	ug/L
Vinyl chloride	MW-81	10/03/2008		7.5	1.0	ug/L
Vinyl chloride	MW-81	12/08/2008		13.2	1.0	ug/L
Vinyl chloride	MW-81	4/01/2009		8.3	1.0	ug/L
Vinyl chloride	MW-81	10/21/2009		26.8	1.0	ug/L
Vinyl chloride	MW-81	4/20/2010		22.9	1.0	ug/L
Vinyl chloride	MW-81	10/08/2010		21.1	1.0	ug/L
Vinyl chloride	MW-81	4/05/2011		13.8	1.0	ug/L
Vinyl chloride	MW-81	10/06/2011		9.3	1.0	ug/L
Vinyl chloride	MW-81	4/10/2012		12.4	1.0	ug/L
Vinyl chloride	MW-81	10/09/2012		8.4	1.0	ug/L
Vinyl chloride	MW-81	4/04/2013		7.8	1.0	ug/L
Vinyl chloride	MW-81	10/16/2013		9.4	1.0	ug/L
Vinyl chloride	MW-81	4/10/2014		11.0	1.0	ug/L
Vinyl chloride	MW-81	10/16/2014		9.7	1.0	ug/L
Vinyl chloride	MW-81	4/03/2015		12.9	1.0	ug/L
Vinyl chloride	MW-81	10/01/2015		8.8	1.0	ug/L
Vinyl chloride	MW-81	4/14/2016		15.8	1.0	ug/L
Vinyl chloride	MW-81	10/13/2016		20.1	1.0	ug/L
Vinyl chloride	MW-81	4/10/2017		16.5	1.0	ug/L
Vinyl chloride	MW-81	10/09/2017		13.2	1.0	ug/L
Vinyl chloride	MW-81	4/17/2018		13.6	1.0	ug/L
Vinyl chloride	MW-81	10/22/2018		26.6	1.0	ug/L
Vinyl chloride	MW-81	4/22/2019		15.5	1.0	ug/L
Vinyl chloride	MW-81	10/23/2019		24.2	1.0	ug/L
Vinyl chloride	MW-81	4/10/2020		13.9	1.0	ug/L
Vinyl chloride	MW-81	10/19/2020		15.4	1.0	ug/L
Vinyl chloride	MW-81	4/05/2021		11.3	1.0	ug/L
Vinyl chloride	MW-81	10/08/2021		7.2	1.0	ug/L
Vinyl chloride	MW-81	4/06/2022		7.0	1.0	ug/L
Vinyl chloride	MW-81	10/25/2022		8.4	1.0	ug/L
Vinyl chloride	MW-81	4/11/2023		7.7	1.0	ug/L
Vinyl chloride	MW-81	10/13/2023		6.7	1.0	ug/L
Vinyl chloride	MW-81	4/16/2024		6.8	1.0	ug/L
Vinyl chloride	MW-81	10/15/2024		6.5	1.0	ug/L
Vinyl chloride	MW-81	4/14/2025		6.8	1.0	ug/L
Vinyl chloride	MW-81	10/06/2025		10.8	1.0	ug/L
Acetone	MW-85	10/09/2017		15.4	10.0	ug/L
Acetone	MW-87	10/09/2017		18.4	10.0	ug/L
Benzene	MW-87	7/17/1997		1.3	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-87	12/08/2008		28	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-87	4/10/2014		13	10	ug/L
1,1-dichloroethane	MW-89	10/09/2012		4	1	ug/L
Acetone	MW-89	10/09/2017		18.2	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-89	12/10/2008		60	11	ug/L
Bis(2-ethylhexyl) phthalate	MW-89	10/16/2013		9	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-89	4/10/2014		18	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-89	4/14/2016		19	13	ug/L
1,1,1-trichloroethane	MW-91	9/11/2000		1.1	1.0	ug/L
1,1,1-trichloroethane	MW-91	10/08/2000		1.0	1.0	ug/L
1,1-dichloroethane	MW-91	3/28/2008		5.5	1.0	ug/L
1,1-dichloroethane	MW-91	6/20/2008		4.4	1.0	ug/L
1,1-dichloroethane	MW-91	8/05/2008		6.5	1.0	ug/L
1,1-dichloroethane	MW-91	10/03/2008		9.3	1.0	ug/L
1,1-dichloroethane	MW-91	12/10/2008		6.8	1.0	ug/L
1,1-dichloroethane	MW-91	4/02/2009		5.3	1.0	ug/L
1,1-dichloroethane	MW-91	10/21/2009		2.5	1.0	ug/L
1,1-dichloroethane	MW-91	4/20/2010		4.4	1.0	ug/L
1,1-dichloroethane	MW-91	10/08/2010		4.3	1.0	ug/L
1,1-dichloroethane	MW-91	4/05/2011		4.5	1.0	ug/L
1,1-dichloroethane	MW-91	10/06/2011		3.9	1.0	ug/L
1,1-dichloroethane	MW-91	4/10/2012		3.9	1.0	ug/L
1,1-dichloroethane	MW-91	4/04/2013		1.0	1.0	ug/L
1,1-dichloroethane	MW-91	10/16/2013		3.4	1.0	ug/L
1,1-dichloroethane	MW-91	4/10/2014		1.8	1.0	ug/L
1,1-dichloroethane	MW-91	10/16/2014		2.4	1.0	ug/L
1,1-dichloroethane	MW-91	4/03/2015		6.1	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-91	10/01/2015		3.6	1.0	ug/L
1,1-dichloroethane	MW-91	10/09/2017		2.5	1.0	ug/L
1,1-dichloroethane	MW-91	1/09/2018		1.7	1.0	ug/L
1,1-dichloroethane	MW-91	4/22/2019		2.7	1.0	ug/L
1,1-dichloroethane	MW-91	10/19/2020		1.5	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-91	8/05/2008		8	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-91	12/10/2008		9	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-91	10/08/2010		15	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-91	10/16/2013		142	84	ug/L
Carbon disulfide	MW-91	4/06/2022		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-91	6/20/2008		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-91	8/05/2008		3.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-91	4/20/2010		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-91	10/06/2011		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-91	4/03/2015		1.5	1.0	ug/L
Tetrachloroethylene	MW-91	12/10/2008		1.1	1.0	ug/L
Trichloroethylene	MW-91	9/11/2000		1.0	1.0	ug/L
Trichloroethylene	MW-91	1/25/2002		1.1	1.0	ug/L
Trichloroethylene	MW-91	4/24/2002		1.0	1.0	ug/L
Trichloroethylene	MW-91	10/14/2002		1.2	1.0	ug/L
Trichloroethylene	MW-91	10/05/2004		1.2	1.0	ug/L
Trichloroethylene	MW-91	4/11/2005		.3	.3	ug/L
Trichloroethylene	MW-91	10/05/2005		1.9	1.0	ug/L
1,1-dichloroethane	MW-94	1/14/2011		40.0	1.0	ug/L
1,1-dichloroethane	MW-94	4/05/2011		41.9	1.0	ug/L
1,1-dichloroethane	MW-94	6/18/2011		33.4	1.0	ug/L
1,1-dichloroethane	MW-94	8/11/2011		30.9	1.0	ug/L
1,1-dichloroethane	MW-94	10/06/2011		43.5	1.0	ug/L
1,1-dichloroethane	MW-94	4/10/2012		36.2	1.0	ug/L
1,1-dichloroethane	MW-94	10/09/2012		36.0	1.0	ug/L
1,1-dichloroethane	MW-94	4/04/2013		23.3	1.0	ug/L
1,1-dichloroethane	MW-94	10/16/2013		24.3	1.0	ug/L
1,1-dichloroethane	MW-94	4/10/2014		21.1	1.0	ug/L
1,1-dichloroethane	MW-94	10/16/2014		16.1	1.0	ug/L
1,1-dichloroethane	MW-94	4/03/2015		11.3	1.0	ug/L
1,1-dichloroethane	MW-94	10/01/2015		8.2	1.0	ug/L
1,1-dichloroethane	MW-94	4/14/2016		8.6	1.0	ug/L
1,1-dichloroethane	MW-94	10/13/2016		9.8	1.0	ug/L
1,1-dichloroethane	MW-94	4/10/2017		7.7	1.0	ug/L
1,1-dichloroethane	MW-94	10/09/2017		8.3	1.0	ug/L
1,1-dichloroethane	MW-94	4/17/2018		5.7	1.0	ug/L
1,1-dichloroethane	MW-94	10/22/2018		6.0	1.0	ug/L
1,1-dichloroethane	MW-94	4/22/2019		5.4	1.0	ug/L
1,1-dichloroethane	MW-94	10/23/2019		4.3	1.0	ug/L
1,1-dichloroethane	MW-94	4/10/2020		3.5	1.0	ug/L
1,1-dichloroethane	MW-94	10/19/2020		3.8	1.0	ug/L
1,1-dichloroethane	MW-94	4/05/2021		1.8	1.0	ug/L
1,1-dichloroethane	MW-94	10/08/2021		2.6	1.0	ug/L
1,1-dichloroethane	MW-94	4/06/2022		1.9	1.0	ug/L
1,1-dichloroethane	MW-94	10/25/2022		2.4	1.0	ug/L
1,1-dichloroethane	MW-94	4/11/2023		1.6	1.0	ug/L
1,1-dichloroethane	MW-94	10/13/2023		2.4	1.0	ug/L
1,1-dichloroethane	MW-94	4/17/2024		1.3	1.0	ug/L
1,1-dichloroethane	MW-94	10/15/2024		1.0	1.0	ug/L
1,1-dichloroethane	MW-94	4/14/2025		1.1	1.0	ug/L
1,2-dichloroethane	MW-94	10/01/2015		1.1	1.0	ug/L
1,2-dichloroethane	MW-94	10/13/2016		1.9	1.0	ug/L
1,2-dichloroethane	MW-94	4/10/2017		1.4	1.0	ug/L
1,2-dichloroethane	MW-94	10/09/2017		1.5	1.0	ug/L
1,2-dichloroethane	MW-94	4/17/2018		1.3	1.0	ug/L
1,2-dichloropropane	MW-94	1/14/2011		3.7	1.0	ug/L
1,2-dichloropropane	MW-94	10/06/2011		3.0	1.0	ug/L
1,2-dichloropropane	MW-94	4/10/2012		4.0	1.0	ug/L
1,2-dichloropropane	MW-94	4/04/2013		4.4	1.0	ug/L
1,2-dichloropropane	MW-94	10/16/2013		3.8	1.0	ug/L
1,2-dichloropropane	MW-94	10/16/2014		3.8	1.0	ug/L
1,2-dichloropropane	MW-94	10/01/2015		2.4	1.0	ug/L
1,2-dichloropropane	MW-94	10/13/2016		2.8	1.0	ug/L
1,2-dichloropropane	MW-94	4/10/2017		2.7	1.0	ug/L
1,2-dichloropropane	MW-94	10/09/2017		3.2	1.0	ug/L
1,2-dichloropropane	MW-94	4/17/2018		2.9	1.0	ug/L
1,2-dichloropropane	MW-94	10/22/2018		4.5	1.0	ug/L
1,2-dichloropropane	MW-94	4/22/2019		3.0	1.0	ug/L
1,2-dichloropropane	MW-94	10/23/2019		2.4	1.0	ug/L
1,2-dichloropropane	MW-94	4/10/2020		2.2	1.0	ug/L
1,2-dichloropropane	MW-94	10/19/2020		2.7	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,2-dichloropropane	MW-94	4/05/2021		1.6	1.0	ug/L
1,2-dichloropropane	MW-94	10/08/2021		2.2	1.0	ug/L
1,2-dichloropropane	MW-94	4/06/2022		1.7	1.0	ug/L
1,2-dichloropropane	MW-94	10/25/2022		2.1	1.0	ug/L
1,2-dichloropropane	MW-94	4/11/2023		1.4	1.0	ug/L
1,2-dichloropropane	MW-94	10/13/2023		2.2	1.0	ug/L
1,2-dichloropropane	MW-94	4/17/2024		1.1	1.0	ug/L
1,2-dichloropropane	MW-94	10/15/2024		1.0	1.0	ug/L
Acetone	MW-94	1/14/2011		43.5	10.0	ug/L
Acetone	MW-94	10/09/2012		32.1	10.0	ug/L
Acetone	MW-94	10/09/2017		38.8	10.0	ug/L
Acetone	MW-94	10/13/2023		15.6	10.0	ug/L
Benzene	MW-94	1/14/2011		1.1	1.0	ug/L
Benzene	MW-94	4/05/2011		1.2	1.0	ug/L
Benzene	MW-94	4/10/2012		1.3	1.0	ug/L
Benzene	MW-94	10/09/2012		1.2	1.0	ug/L
Benzene	MW-94	4/04/2013		2.0	1.0	ug/L
Benzene	MW-94	10/16/2013		1.6	1.0	ug/L
Benzene	MW-94	4/10/2014		1.4	1.0	ug/L
Benzene	MW-94	10/16/2014		4.2	1.0	ug/L
Benzene	MW-94	4/03/2015		2.6	1.0	ug/L
Benzene	MW-94	10/01/2015		3.2	1.0	ug/L
Benzene	MW-94	4/14/2016		3.5	1.0	ug/L
Benzene	MW-94	10/13/2016		4.5	1.0	ug/L
Benzene	MW-94	4/10/2017		2.8	1.0	ug/L
Benzene	MW-94	10/09/2017		3.6	1.0	ug/L
Benzene	MW-94	4/17/2018		2.4	1.0	ug/L
Benzene	MW-94	10/22/2018		3.5	1.0	ug/L
Benzene	MW-94	4/22/2019		2.5	1.0	ug/L
Benzene	MW-94	10/23/2019		2.3	1.0	ug/L
Benzene	MW-94	4/10/2020		2.2	1.0	ug/L
Benzene	MW-94	10/19/2020		2.4	1.0	ug/L
Benzene	MW-94	4/05/2021		1.6	1.0	ug/L
Benzene	MW-94	10/08/2021		1.6	1.0	ug/L
Benzene	MW-94	4/06/2022		2.1	1.0	ug/L
Benzene	MW-94	10/25/2022		2.1	1.0	ug/L
Benzene	MW-94	4/11/2023		1.9	1.0	ug/L
Benzene	MW-94	10/13/2023		1.7	1.0	ug/L
Benzene	MW-94	4/17/2024		2.0	1.0	ug/L
Benzene	MW-94	10/15/2024		1.8	1.0	ug/L
Benzene	MW-94	4/14/2025		1.4	1.0	ug/L
Benzene	MW-94	10/06/2025		1.8	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-94	10/09/2012		8	8	ug/L
Chloroethane	MW-94	1/14/2011		16.5	1.0	ug/L
Chloroethane	MW-94	4/05/2011		19.0	1.0	ug/L
Chloroethane	MW-94	6/18/2011		6.4	1.0	ug/L
Chloroethane	MW-94	8/11/2011		12.7	1.0	ug/L
Chloroethane	MW-94	10/06/2011		19.8	1.0	ug/L
Chloroethane	MW-94	4/10/2012		16.7	1.0	ug/L
Chloroethane	MW-94	10/09/2012		18.2	1.0	ug/L
Chloroethane	MW-94	4/04/2013		14.3	1.0	ug/L
Chloroethane	MW-94	10/16/2013		17.2	1.0	ug/L
Chloroethane	MW-94	4/10/2014		18.5	1.0	ug/L
Chloroethane	MW-94	10/16/2014		16.4	1.0	ug/L
Chloroethane	MW-94	4/03/2015		13.0	1.0	ug/L
Chloroethane	MW-94	10/01/2015		9.5	1.0	ug/L
Chloroethane	MW-94	4/14/2016		9.2	1.0	ug/L
Chloroethane	MW-94	10/13/2016		11.8	1.0	ug/L
Chloroethane	MW-94	4/10/2017		8.9	1.0	ug/L
Chloroethane	MW-94	10/09/2017		8.6	1.0	ug/L
Chloroethane	MW-94	4/17/2018		5.6	1.0	ug/L
Chloroethane	MW-94	10/22/2018		5.2	1.0	ug/L
Chloroethane	MW-94	4/22/2019		5.4	1.0	ug/L
Chloroethane	MW-94	10/23/2019		6.0	1.0	ug/L
Chloroethane	MW-94	4/10/2020		4.4	1.0	ug/L
Chloroethane	MW-94	10/19/2020		5.2	1.0	ug/L
Chloroethane	MW-94	4/05/2021		3.7	1.0	ug/L
Chloroethane	MW-94	10/08/2021		4.0	1.0	ug/L
Chloroethane	MW-94	4/06/2022		4.6	1.0	ug/L
Chloroethane	MW-94	10/25/2022		4.7	1.0	ug/L
Chloroethane	MW-94	4/11/2023		4.0	1.0	ug/L
Chloroethane	MW-94	10/13/2023		4.5	1.0	ug/L
Chloroethane	MW-94	4/17/2024		4.3	1.0	ug/L
Chloroethane	MW-94	10/15/2024		3.0	1.0	ug/L
Chloroethane	MW-94	4/14/2025		3.2	1.0	ug/L
Chloroethane	MW-94	10/06/2025		4.2	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-94	1/14/2011		112.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/05/2011		204.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-94	6/18/2011		114.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	8/11/2011		153.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/06/2011		89.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/10/2012		131.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/09/2012		170.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/04/2013		150.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/16/2013		140.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/10/2014		118.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/16/2014		144.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/03/2015		102.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/01/2015		88.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/14/2016		89.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/13/2016		63.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/10/2017		43.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/09/2017		56.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/17/2018		28.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/22/2018		27.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/22/2019		30.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/23/2019		23.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/10/2020		21.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/19/2020		27.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/05/2021		13.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/08/2021		25.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/06/2022		18.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/25/2022		29.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/11/2023		11.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/13/2023		29.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/17/2024		5.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/15/2024		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	4/14/2025		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-94	10/06/2025		2.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	1/14/2011		2.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/05/2011		4.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	6/18/2011		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	8/11/2011		3.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/06/2011		2.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/10/2012		2.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/09/2012		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/04/2013		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/16/2013		1.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/10/2014		1.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/16/2014		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/03/2015		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/13/2016		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	4/10/2020		1.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/19/2020		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/25/2022		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-94	10/13/2023		1.6	1.0	ug/L
Trichloroethylene	MW-94	1/14/2011		59.7	1.0	ug/L
Trichloroethylene	MW-94	4/05/2011		109.0	1.0	ug/L
Trichloroethylene	MW-94	6/18/2011		58.1	1.0	ug/L
Trichloroethylene	MW-94	8/11/2011		47.4	1.0	ug/L
Trichloroethylene	MW-94	10/06/2011		42.0	1.0	ug/L
Trichloroethylene	MW-94	4/10/2012		37.0	1.0	ug/L
Trichloroethylene	MW-94	10/09/2012		28.1	1.0	ug/L
Trichloroethylene	MW-94	4/04/2013		21.2	1.0	ug/L
Trichloroethylene	MW-94	10/16/2013		7.7	1.0	ug/L
Trichloroethylene	MW-94	4/10/2014		5.4	1.0	ug/L
Trichloroethylene	MW-94	10/16/2014		2.0	1.0	ug/L
Trichloroethylene	MW-94	4/03/2015		1.5	1.0	ug/L
Vinyl chloride	MW-94	1/14/2011		5.0	1.0	ug/L
Vinyl chloride	MW-94	4/05/2011		5.5	1.0	ug/L
Vinyl chloride	MW-94	6/18/2011		4.0	1.0	ug/L
Vinyl chloride	MW-94	8/11/2011		4.1	1.0	ug/L
Vinyl chloride	MW-94	10/06/2011		3.6	1.0	ug/L
Vinyl chloride	MW-94	4/10/2012		4.6	1.0	ug/L
Vinyl chloride	MW-94	10/09/2012		4.6	1.0	ug/L
Vinyl chloride	MW-94	4/04/2013		5.3	1.0	ug/L
Vinyl chloride	MW-94	10/16/2013		4.8	1.0	ug/L
Vinyl chloride	MW-94	4/10/2014		4.4	1.0	ug/L
Vinyl chloride	MW-94	10/16/2014		6.2	1.0	ug/L
Vinyl chloride	MW-94	4/03/2015		4.5	1.0	ug/L
Vinyl chloride	MW-94	10/01/2015		3.6	1.0	ug/L
Vinyl chloride	MW-94	4/14/2016		2.9	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Vinyl chloride	MW-94	10/13/2016		2.6	1.0	ug/L
Vinyl chloride	MW-94	4/10/2017		3.2	1.0	ug/L
Vinyl chloride	MW-94	10/09/2017		2.0	1.0	ug/L
Vinyl chloride	MW-94	4/17/2018		2.0	1.0	ug/L
Vinyl chloride	MW-94	10/22/2018		2.2	1.0	ug/L
Vinyl chloride	MW-94	4/22/2019		1.7	1.0	ug/L
Vinyl chloride	MW-94	4/10/2020		1.1	1.0	ug/L
Vinyl chloride	MW-94	10/19/2020		1.1	1.0	ug/L
Vinyl chloride	MW-94	10/25/2022		1.2	1.0	ug/L
Vinyl chloride	MW-94	4/11/2023		2.1	1.0	ug/L
Vinyl chloride	MW-94	10/13/2023		2.0	1.0	ug/L
Vinyl chloride	MW-94	4/17/2024		2.2	1.0	ug/L
Vinyl chloride	MW-94	10/15/2024		2.0	1.0	ug/L
Vinyl chloride	MW-94	4/14/2025		2.2	1.0	ug/L
Vinyl chloride	MW-94	10/06/2025		4.5	1.0	ug/L
Acetone	MW-95	10/13/2023		10.7	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-96	10/09/2012		8	8	ug/L
Cis-1,2-dichloroethylene	MW-96	1/14/2011		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-96	4/05/2011		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-96	6/18/2011		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-96	8/11/2011		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-96	10/09/2012		1.0	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-96R	10/08/2021		6	6	ug/L
Acetone	MW-98	10/09/2017		18.4	10.0	ug/L
1,1-dichloroethane	SRAMP A	4/22/2019		1.4	1.0	ug/L
1,2-dichloropropane	SRAMP A	4/22/2019		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	SRAMP A	4/10/2017		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	SRAMP A	4/22/2019		2.8	1.0	ug/L

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

Attachment G

Assessment Statistics for 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-49	4	1.250	0.173	1.176	1.046	1.454	140.000	dec	
1,2-dichlorobenzene	ug/L	MW-49	4	0.500	0.000	1.176	0.500	0.500	600.000		
1,2-dichloroethane	ug/L	MW-49	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-dichloropropane	ug/L	MW-49	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,4-dichlorobenzene	ug/L	MW-49	4	5.825	1.931	1.176	3.553	8.097	75.000		
Benzene	ug/L	MW-49	4	2.800	1.669	1.176	0.836	4.764	5.000	inc	
Carbon disulfide	ug/L	MW-49	4	0.800	0.600	1.176	0.094	1.506	700.000		
Chlorobenzene	ug/L	MW-49	4	0.850	0.412	1.176	0.365	1.335	100.000		
Chloroethane	ug/L	MW-49	4	5.300	0.648	1.176	4.538	6.062	2800.000	dec	
Cis-1,2-dichloroethylene	ug/L	MW-49	4	0.975	0.950	1.176	0.000	2.092	70.000	dec	
Trans-1,2-dichloroethylene	ug/L	MW-49	4	0.500	0.000	1.176	0.500	0.500	100.000		
Trichloroethylene	ug/L	MW-49	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl chloride	ug/L	MW-49	4	0.500	0.000	1.176	0.500	0.500	2.000	dec	
1,1-dichloroethane	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	140.000		
1,2-dichlorobenzene	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	600.000		
1,2-dichloroethane	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-dichloropropane	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,4-dichlorobenzene	ug/L	MW-54	4	2.375	0.512	1.176	1.772	2.978	75.000	inc	
Benzene	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	5.000		
Carbon disulfide	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	700.000		
Chlorobenzene	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	100.000		
Chloroethane	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	2800.000	dec	
Cis-1,2-dichloroethylene	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	70.000	dec	
Trans-1,2-dichloroethylene	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	100.000		
Trichloroethylene	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl chloride	ug/L	MW-54	4	0.500	0.000	1.176	0.500	0.500	2.000		
1,1-dichloroethane	ug/L	MW-81	4	24.450	3.280	1.176	20.592	28.308	140.000	dec	
1,2-dichlorobenzene	ug/L	MW-81	4	0.675	0.350	1.176	0.263	1.087	600.000		
1,2-dichloroethane	ug/L	MW-81	4	10.500	1.631	1.176	8.582	12.418	5.000	inc	**
1,2-dichloropropane	ug/L	MW-81	4	5.175	1.900	1.176	2.940	7.410	5.000	dec	
1,4-dichlorobenzene	ug/L	MW-81	4	5.825	1.132	1.176	4.493	7.157	75.000	inc	
Benzene	ug/L	MW-81	4	0.675	0.350	1.176	0.263	1.087	5.000		
Carbon disulfide	ug/L	MW-81	4	0.775	0.550	1.176	0.128	1.422	700.000		
Chlorobenzene	ug/L	MW-81	4	1.825	0.126	1.176	1.677	1.973	100.000	inc	
Chloroethane	ug/L	MW-81	4	6.250	0.379	1.176	5.805	6.695	2800.000	dec	
Cis-1,2-dichloroethylene	ug/L	MW-81	4	139.000	16.990	1.176	119.015	158.985	70.000	dec	**
Trans-1,2-dichloroethylene	ug/L	MW-81	4	2.375	0.171	1.176	2.174	2.576	100.000	dec	
Trichloroethylene	ug/L	MW-81	4	1.325	0.699	1.176	0.502	2.148	5.000	dec	
Vinyl chloride	ug/L	MW-81	4	7.725	2.055	1.176	5.308	10.142	2.000		**
1,1-dichloroethane	ug/L	MW-94	4	0.975	0.340	1.176	0.575	1.375	140.000	dec	
1,2-dichlorobenzene	ug/L	MW-94	4	0.500	0.000	1.176	0.500	0.500	600.000		
1,2-dichloroethane	ug/L	MW-94	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-dichloropropane	ug/L	MW-94	4	0.775	0.320	1.176	0.398	1.152	5.000		
1,4-dichlorobenzene	ug/L	MW-94	4	0.500	0.000	1.176	0.500	0.500	75.000		
Benzene	ug/L	MW-94	4	1.750	0.252	1.176	1.454	2.046	5.000		
Carbon disulfide	ug/L	MW-94	4	0.500	0.000	1.176	0.500	0.500	700.000		
Chlorobenzene	ug/L	MW-94	4	0.500	0.000	1.176	0.500	0.500	100.000		
Chloroethane	ug/L	MW-94	4	3.675	0.670	1.176	2.887	4.463	2800.000	dec	
Cis-1,2-dichloroethylene	ug/L	MW-94	4	4.250	1.666	1.176	2.290	6.210	70.000	dec	

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

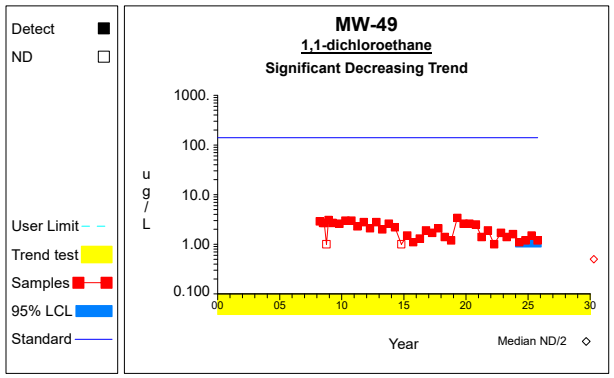
Table 1

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

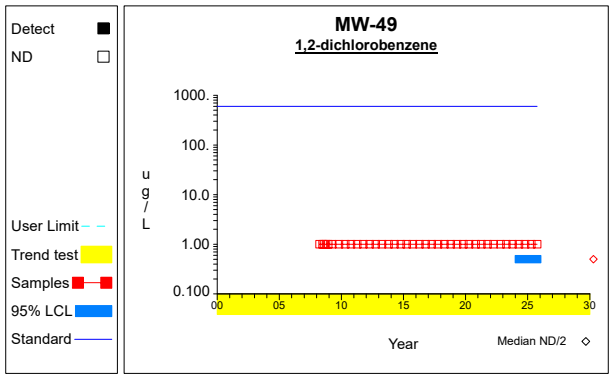
Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Trans-1,2-dichloroethylene	ug/L	MW-94	4	0.500	0.000	1.176	0.500	0.500	100.000		
Trichloroethylene	ug/L	MW-94	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl chloride	ug/L	MW-94	4	2.725	1.187	1.176	1.329	4.121	2.000	dec	

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

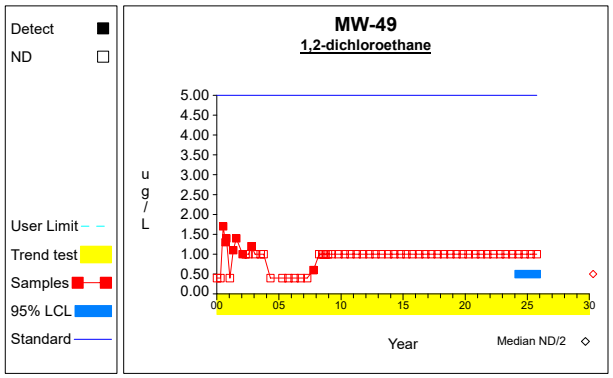
Confidence Limits (Assessment)



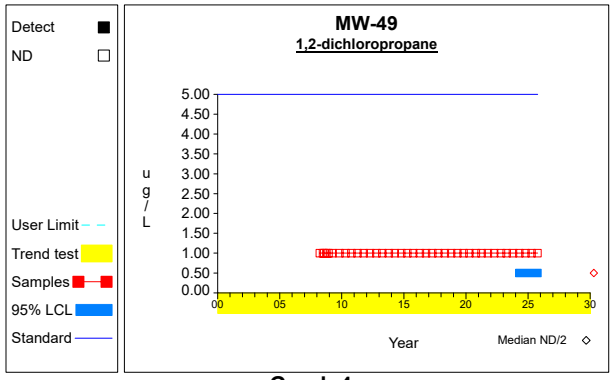
Graph 1



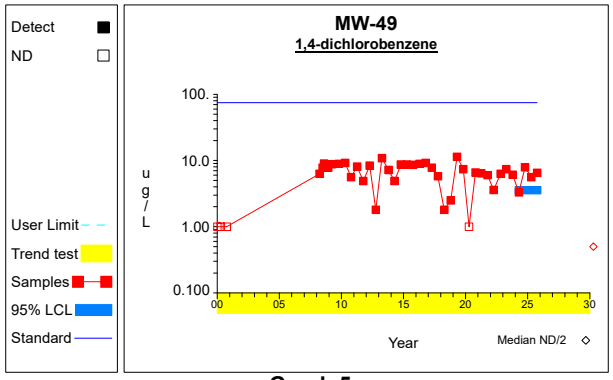
Graph 2



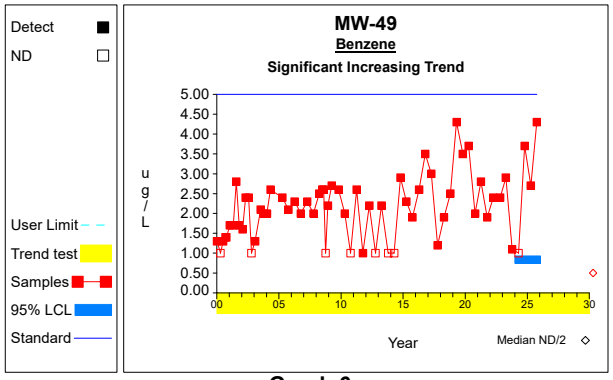
Graph 3



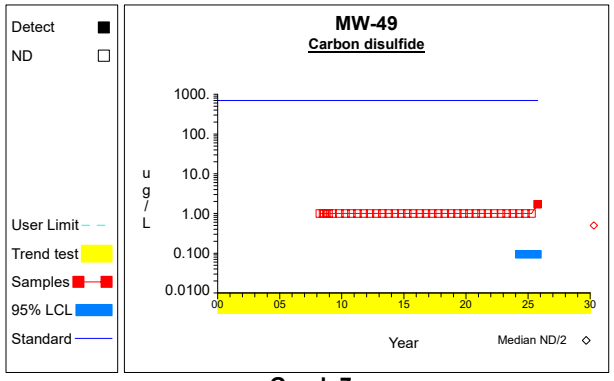
Graph 4



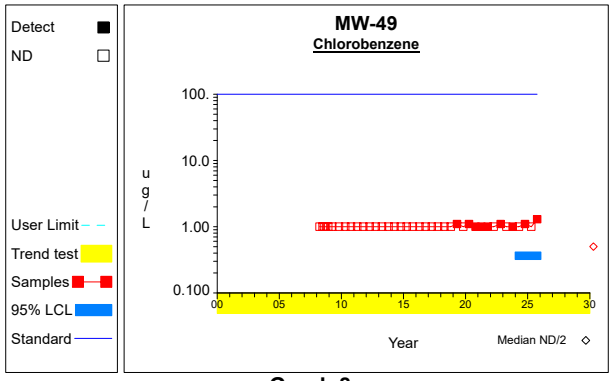
Graph 5



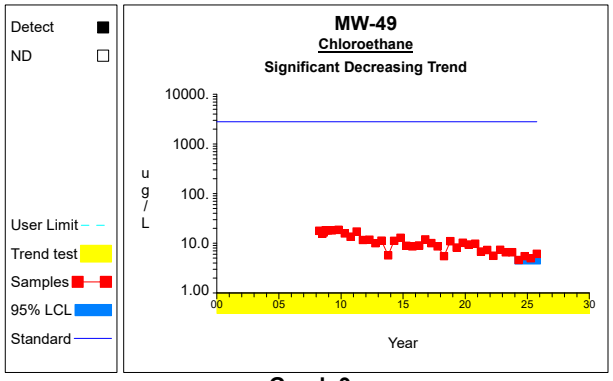
Graph 6



Graph 7



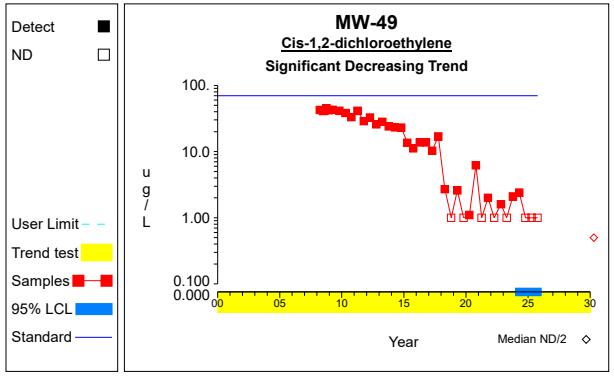
Graph 8



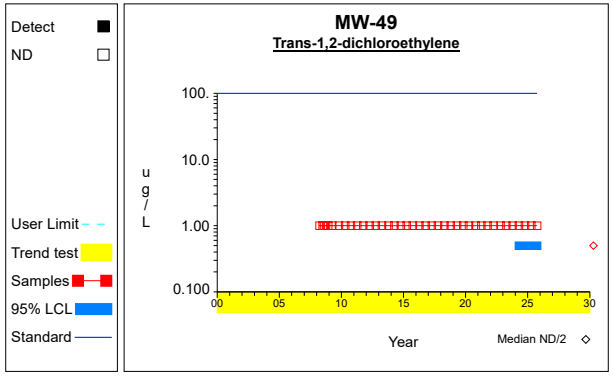
Graph 9

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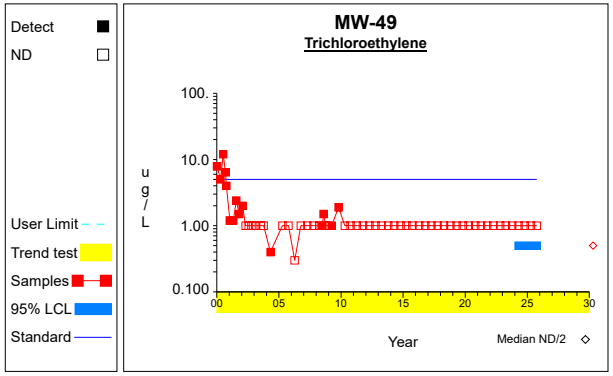
Confidence Limits (Assessment)



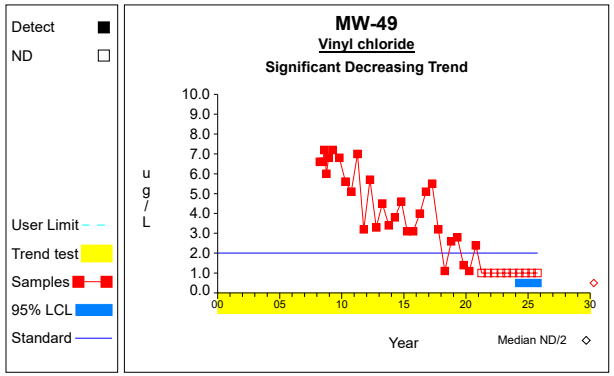
Graph 10



Graph 11

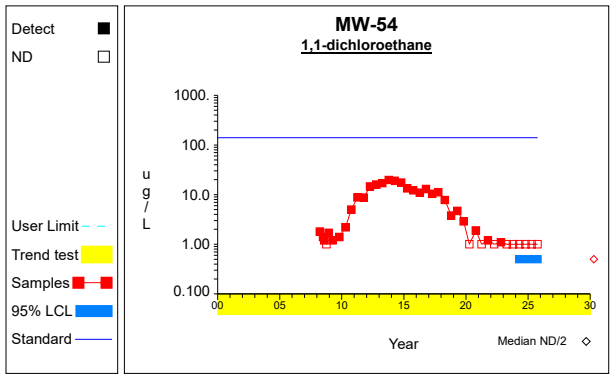


Graph 12

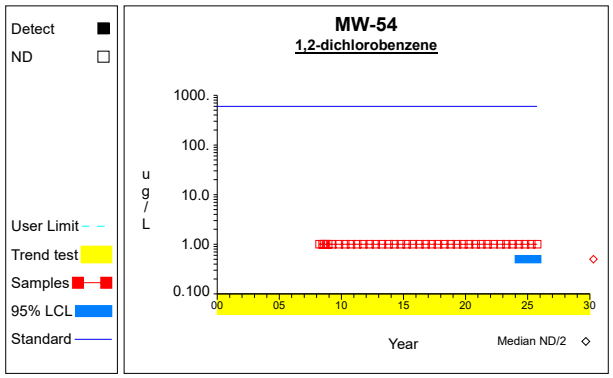


Graph 13

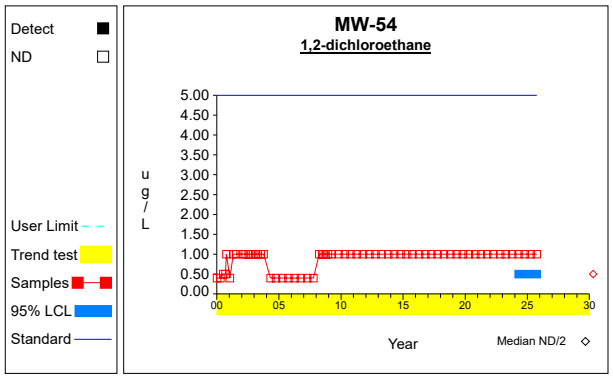
Confidence Limits (Assessment)



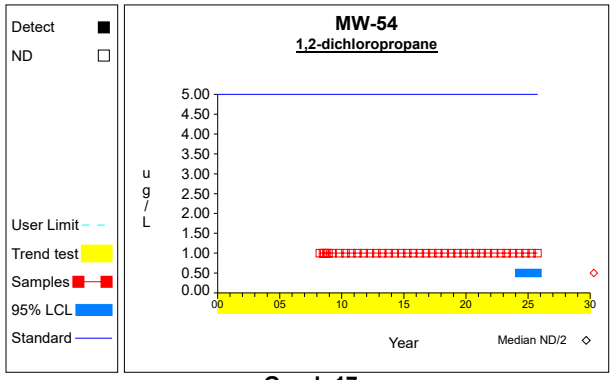
Graph 14



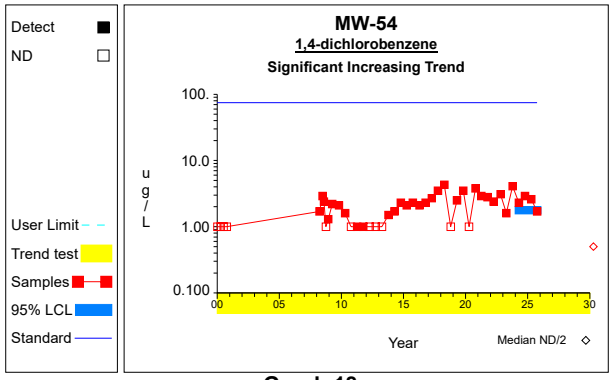
Graph 15



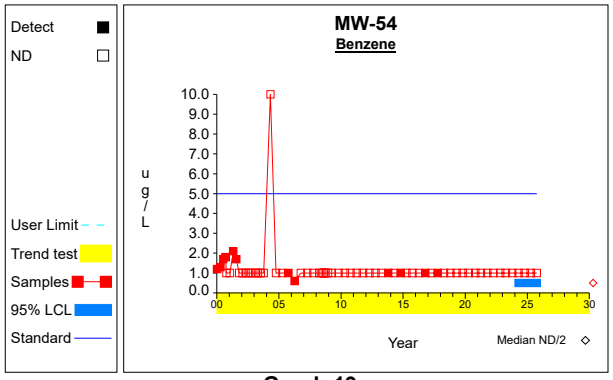
Graph 16



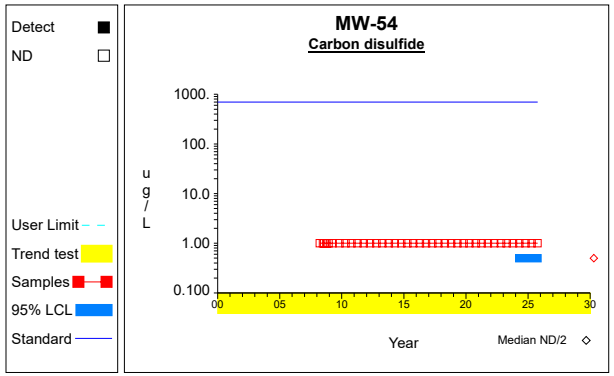
Graph 17



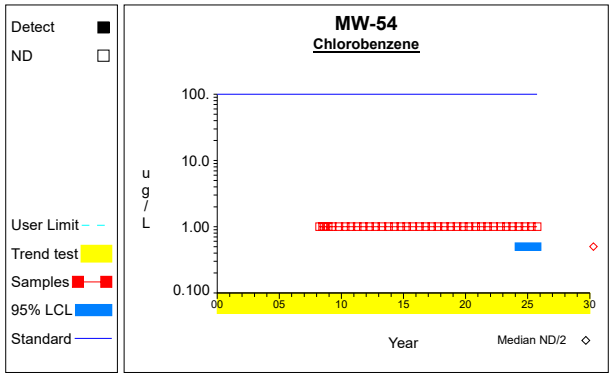
Graph 18



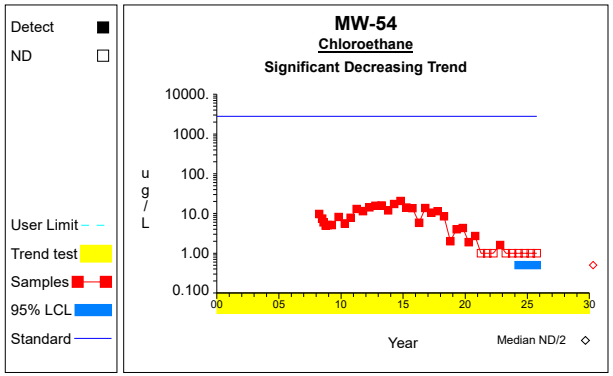
Graph 19



Graph 20

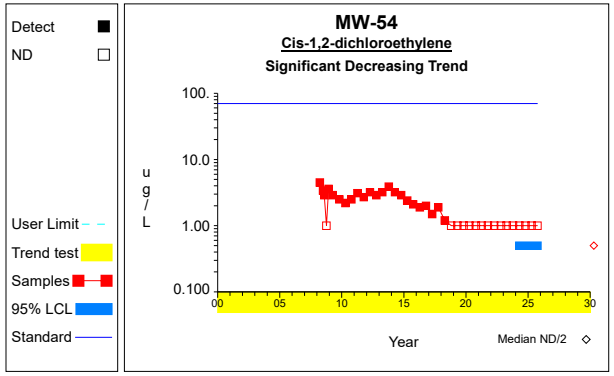


Graph 21

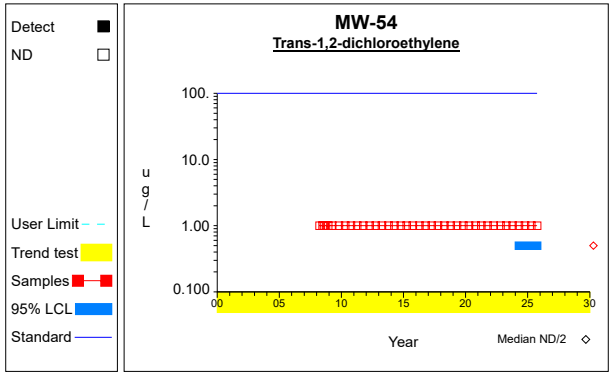


Graph 22

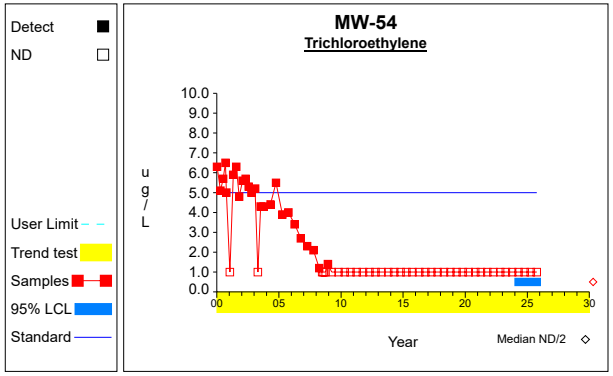
Confidence Limits (Assessment)



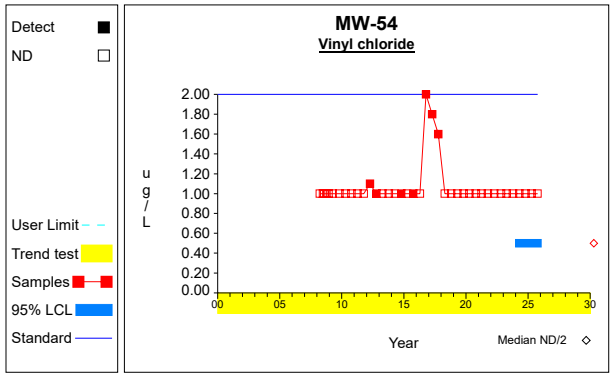
Graph 23



Graph 24



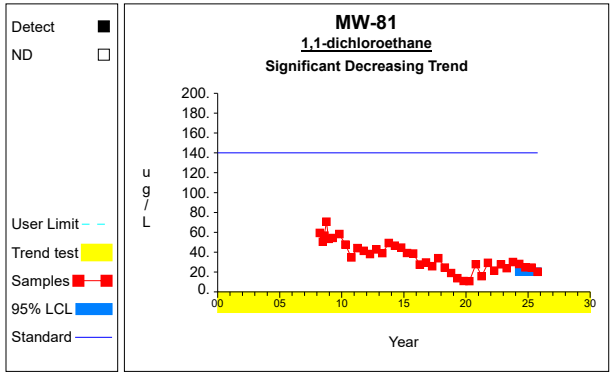
Graph 25



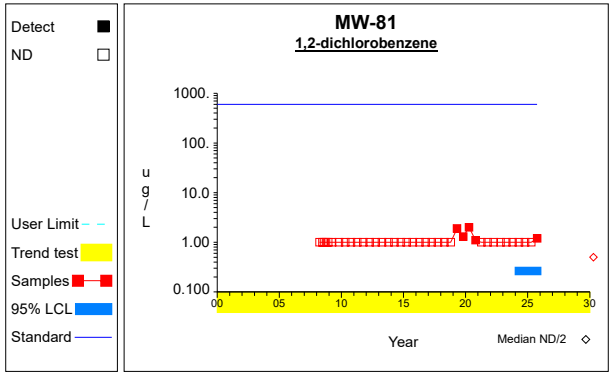
Graph 26

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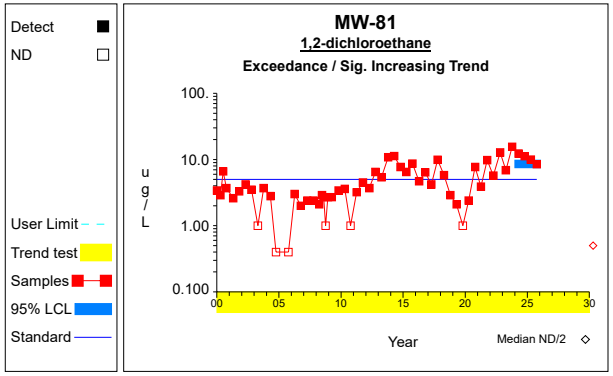
Confidence Limits (Assessment)



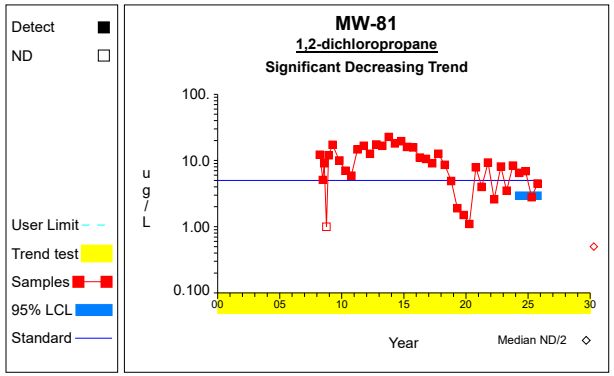
Graph 27



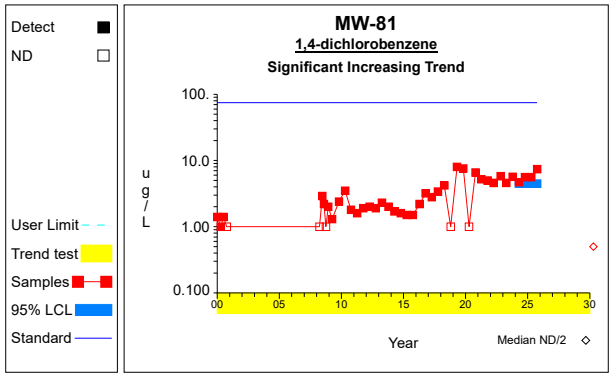
Graph 28



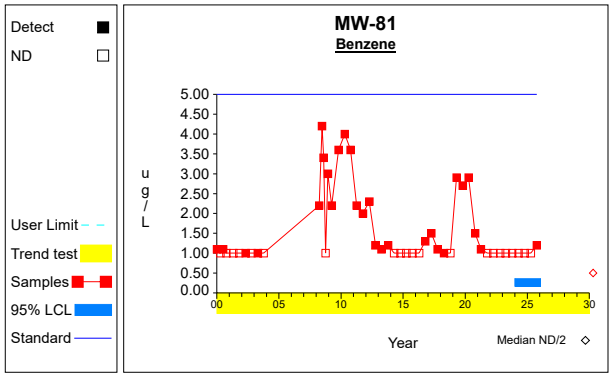
Graph 29



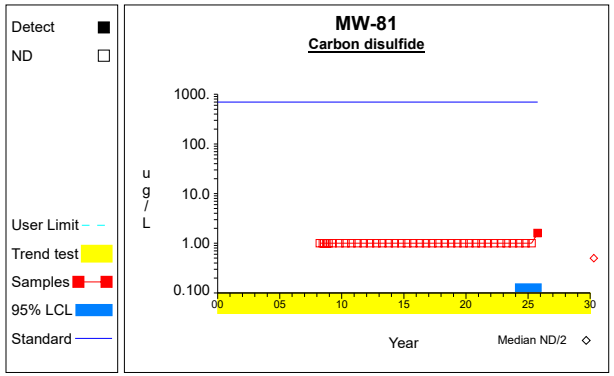
Graph 30



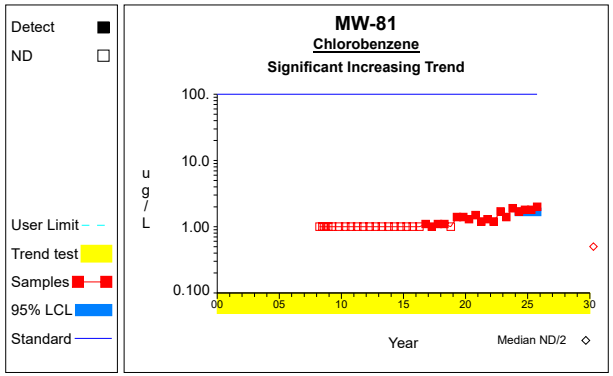
Graph 31



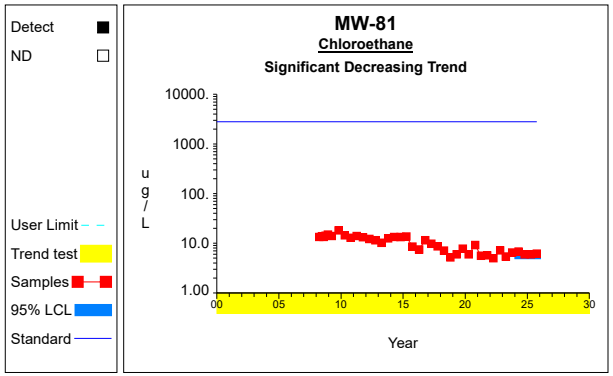
Graph 32



Graph 33

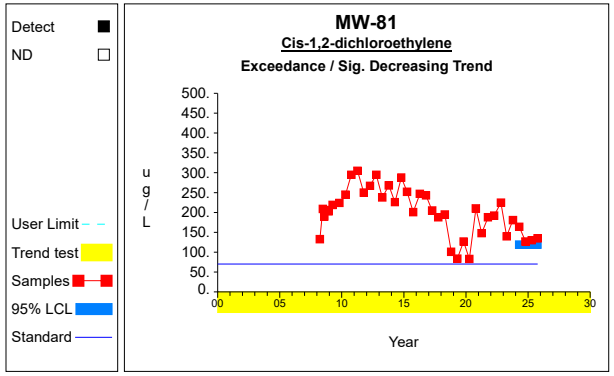


Graph 34

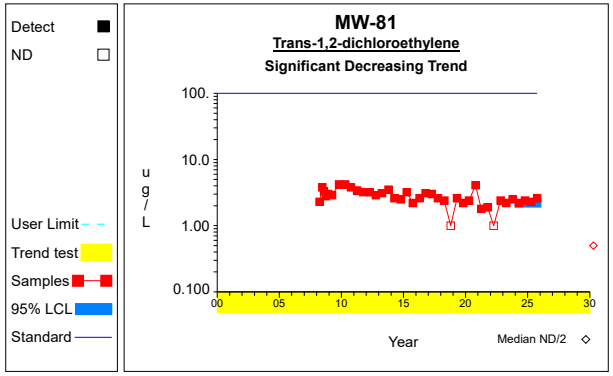


Graph 35

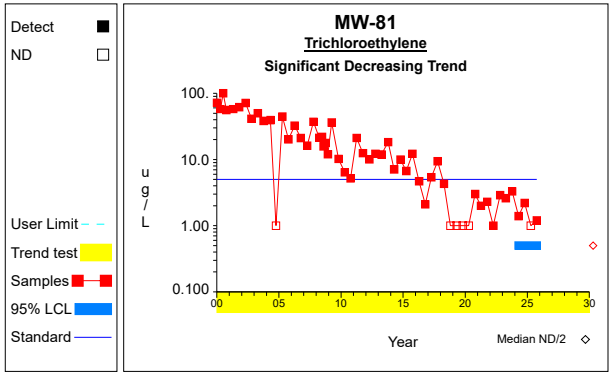
Confidence Limits (Assessment)



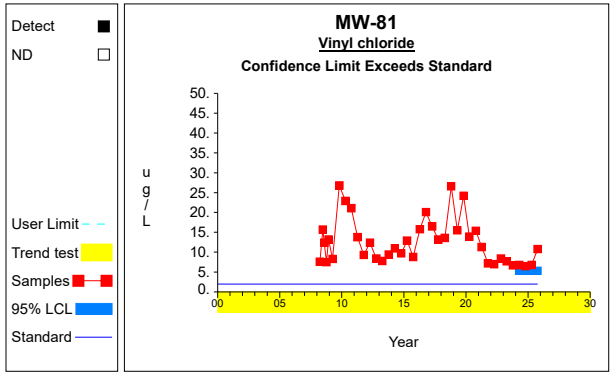
Graph 36



Graph 37

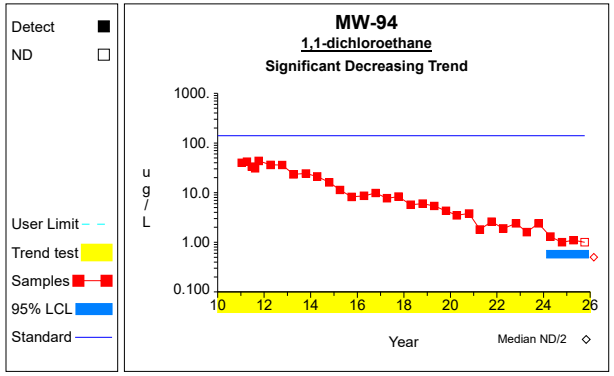


Graph 38

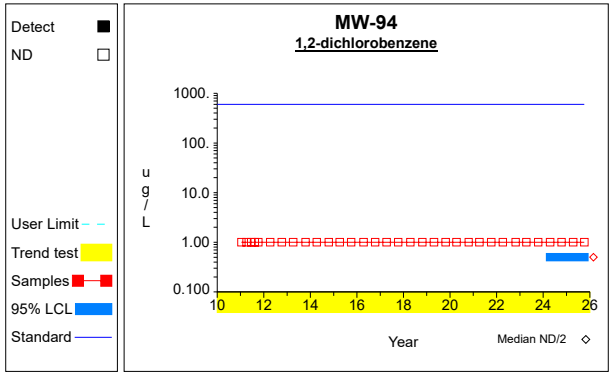


Graph 39

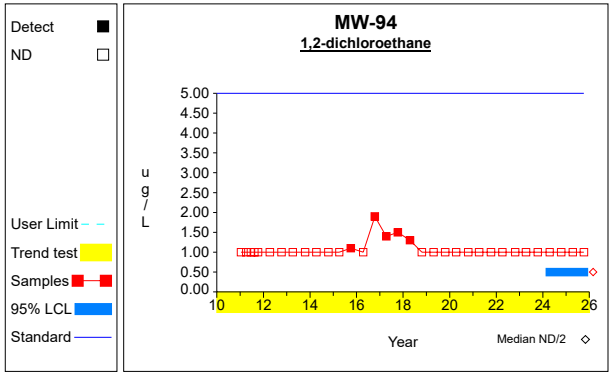
Confidence Limits (Assessment)



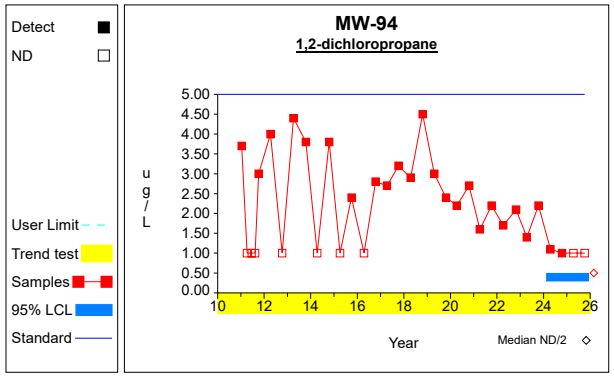
Graph 40



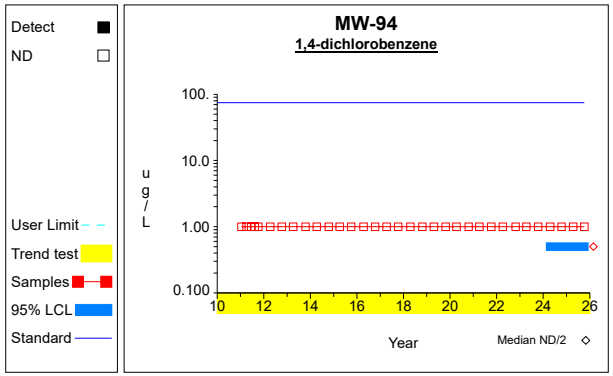
Graph 41



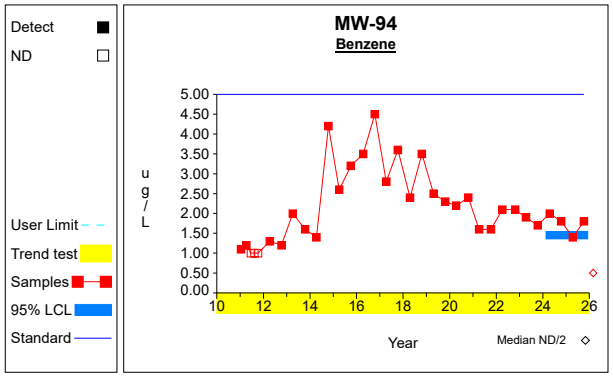
Graph 42



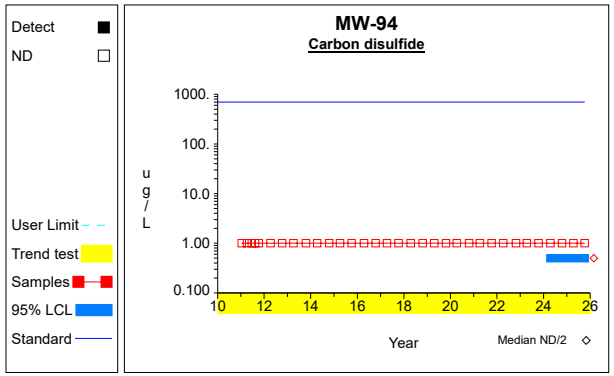
Graph 43



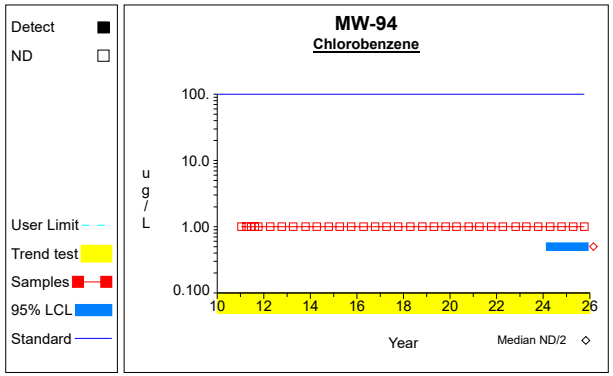
Graph 44



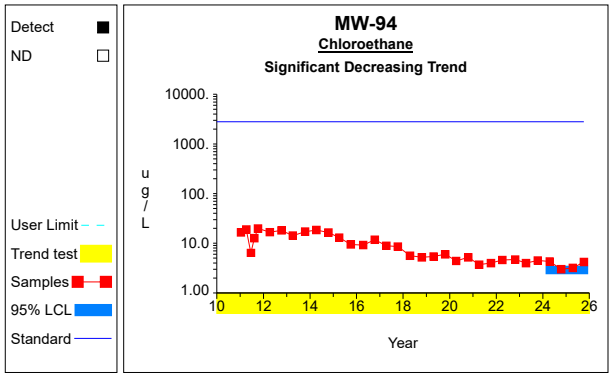
Graph 45



Graph 46



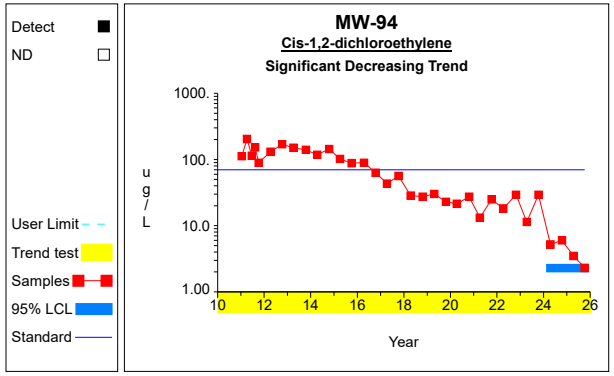
Graph 47



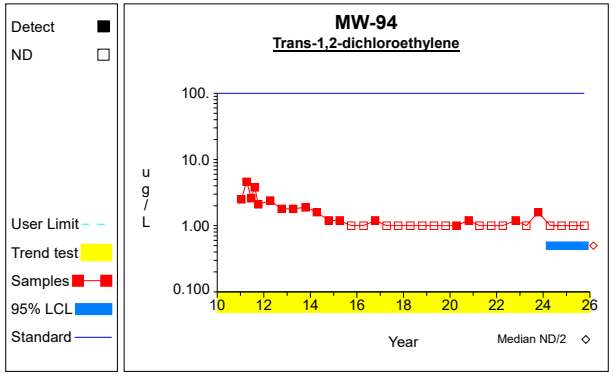
Graph 48

Prepared by: Otter Creek Environmental

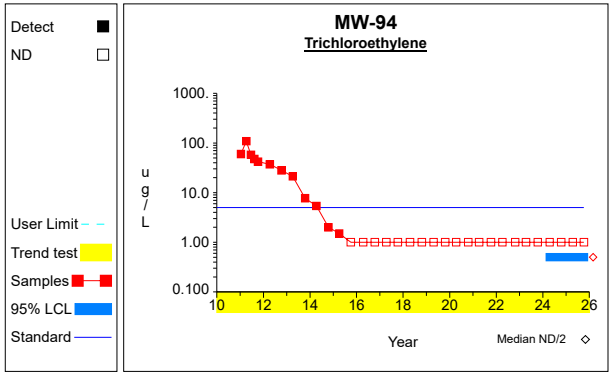
Confidence Limits (Assessment)



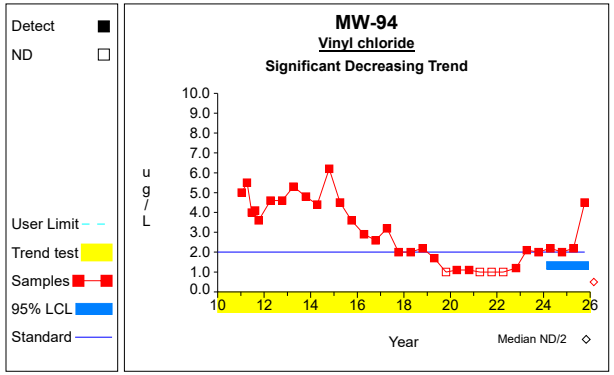
Graph 49



Graph 50



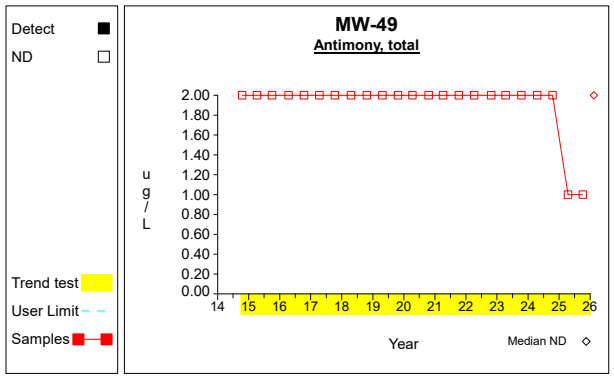
Graph 51



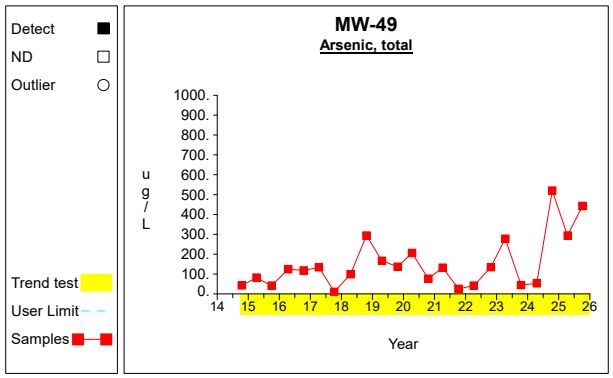
Graph 52

Appendix B.3 – Time Series Graphs/Trend Evaluation – Supplemental Wells

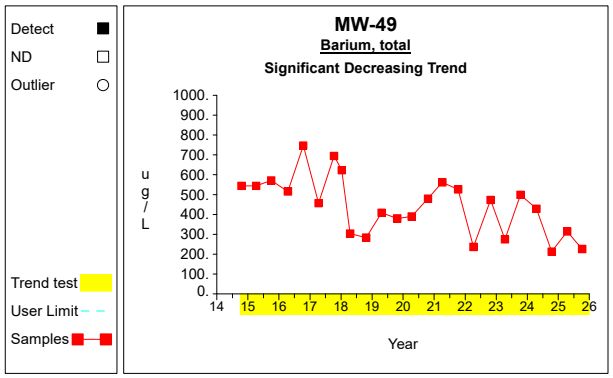
Time Series



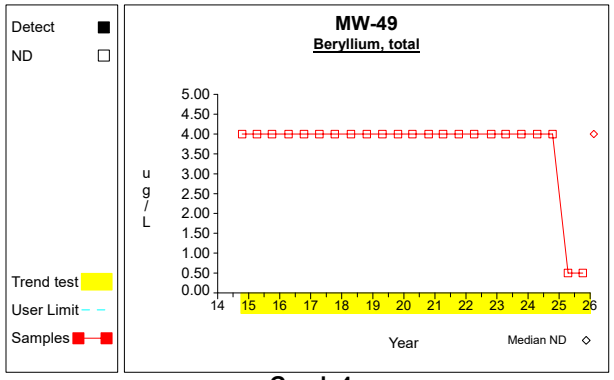
Graph 1



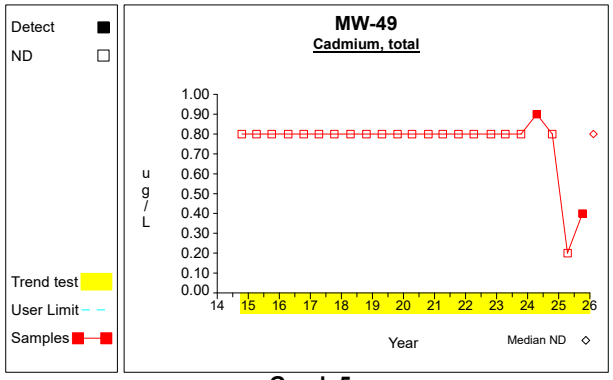
Graph 2



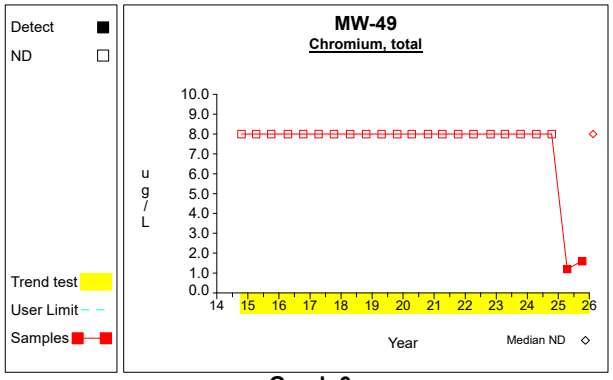
Graph 3



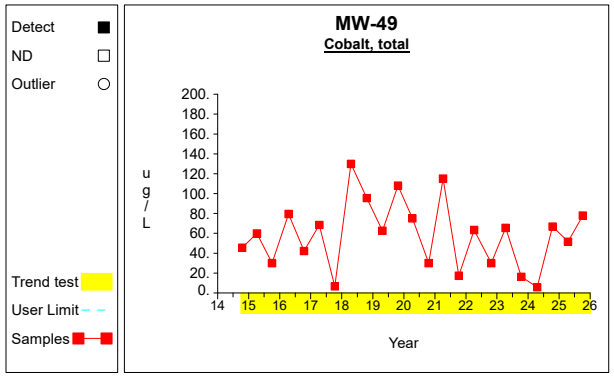
Graph 4



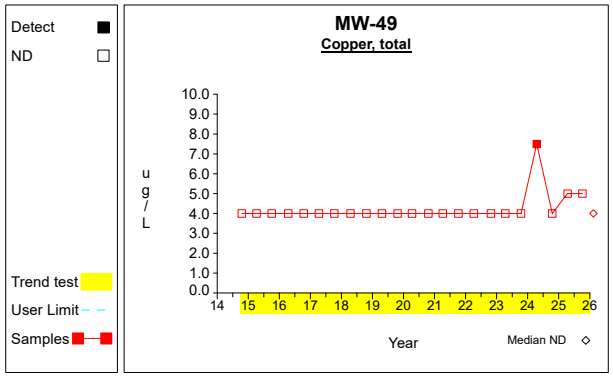
Graph 5



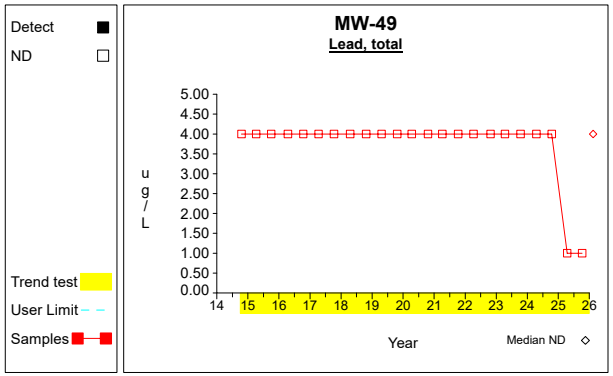
Graph 6



Graph 7



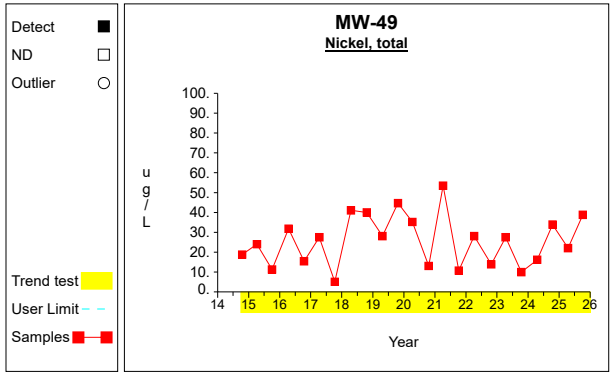
Graph 8



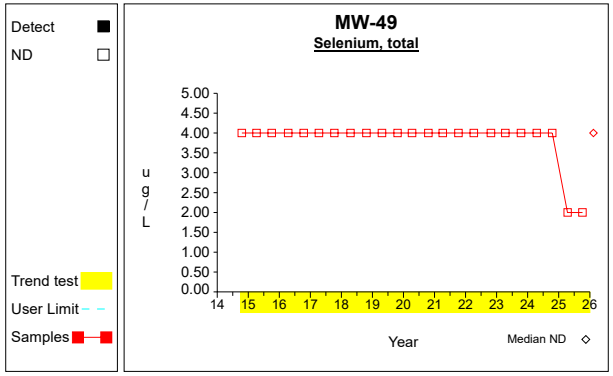
Graph 9

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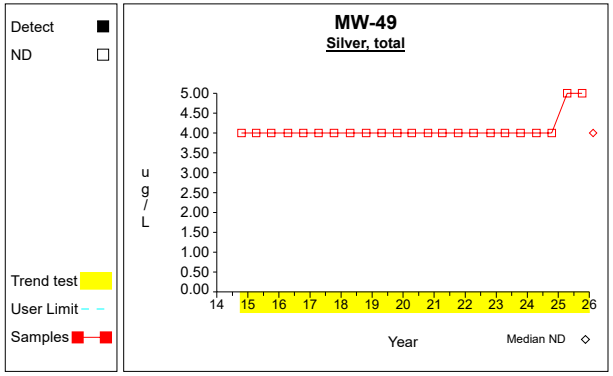
Time Series



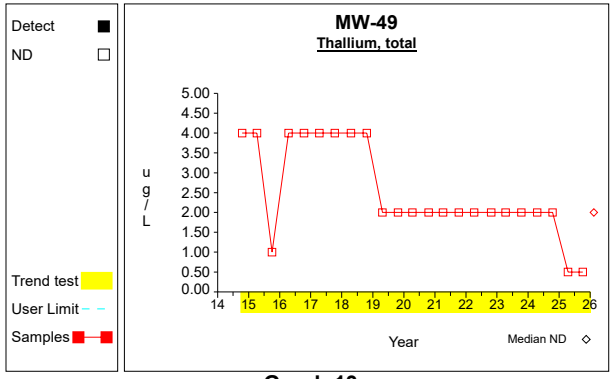
Graph 10



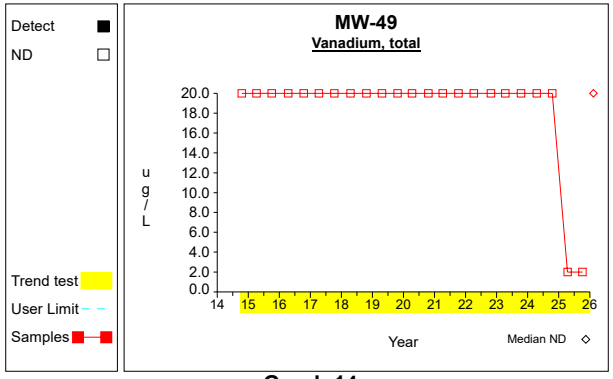
Graph 11



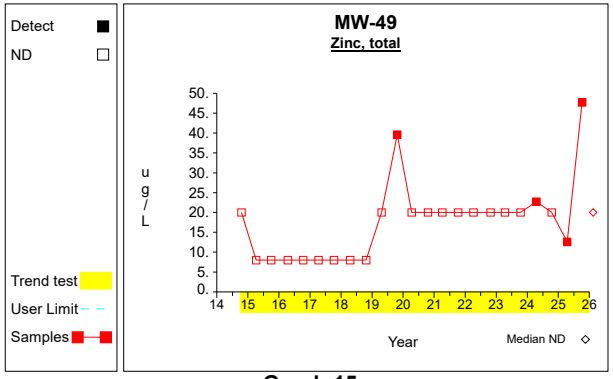
Graph 12



Graph 13

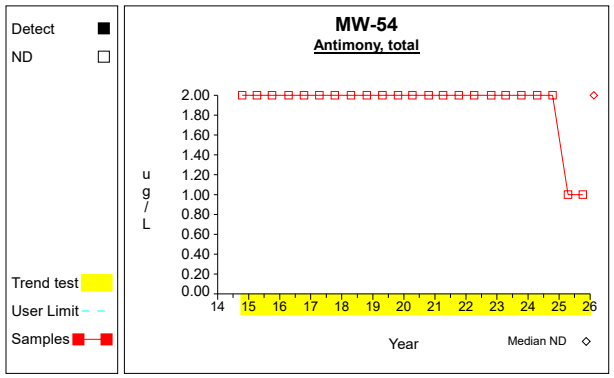


Graph 14

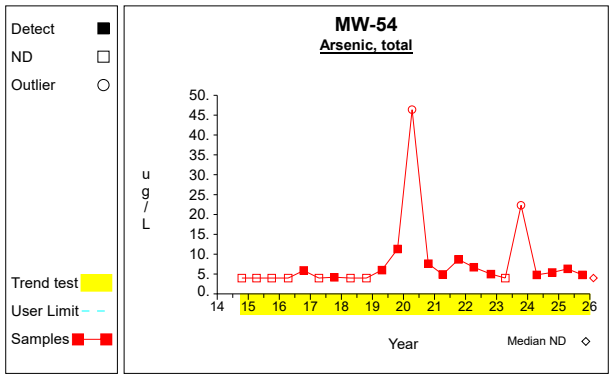


Graph 15

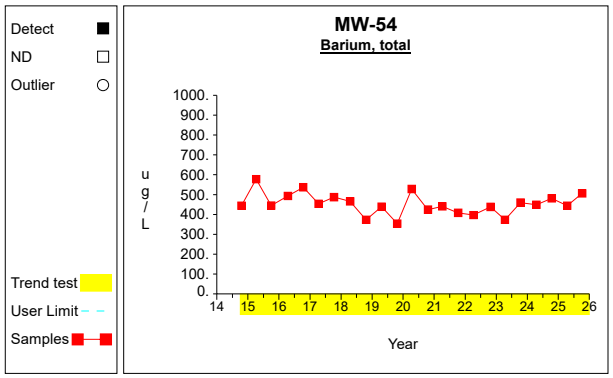
Time Series



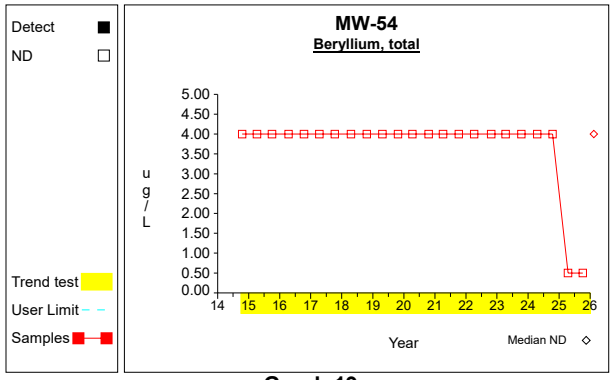
Graph 16



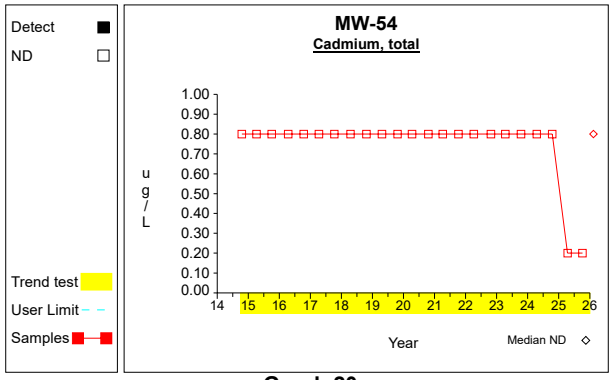
Graph 17



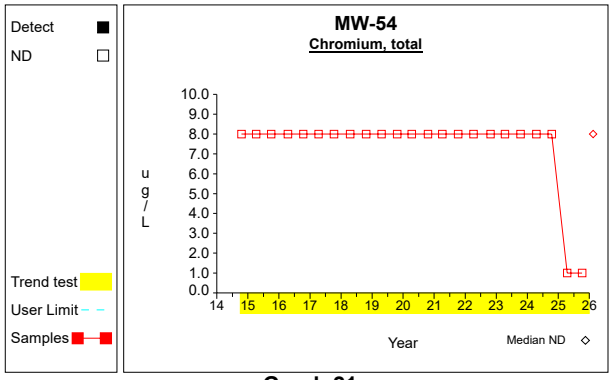
Graph 18



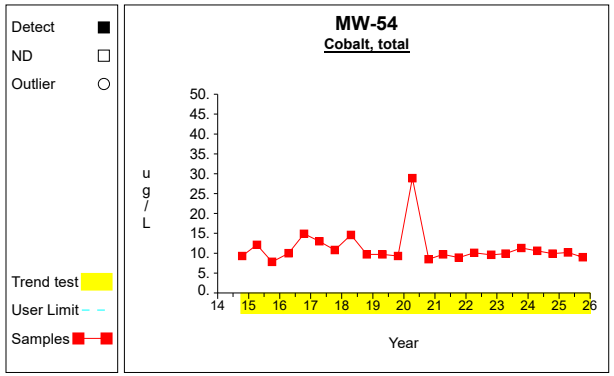
Graph 19



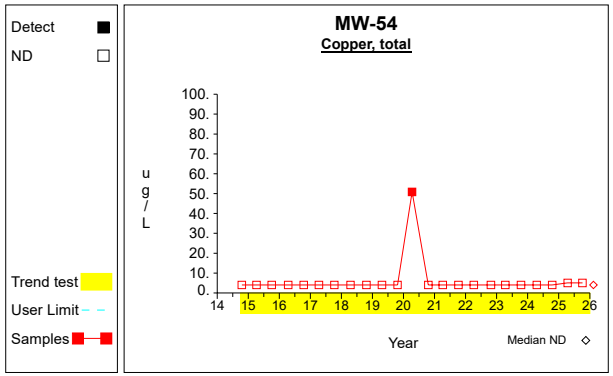
Graph 20



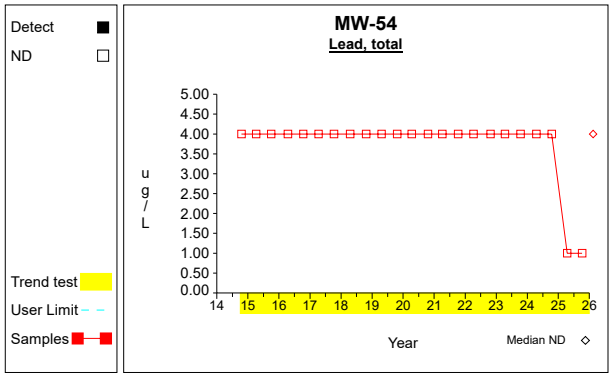
Graph 21



Graph 22



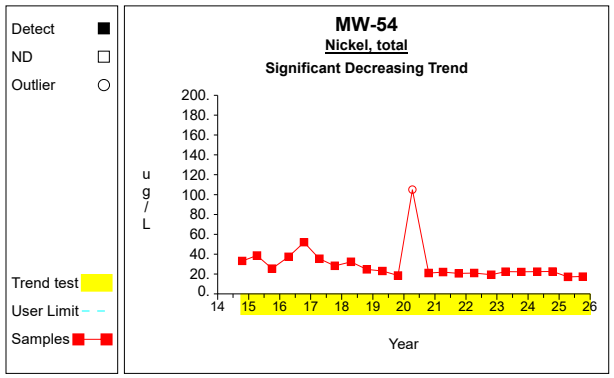
Graph 23



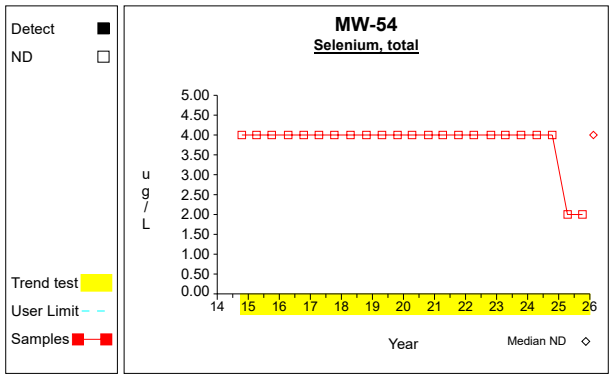
Graph 24

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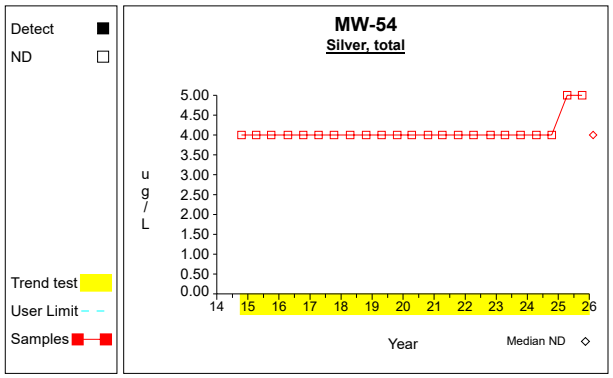
Time Series



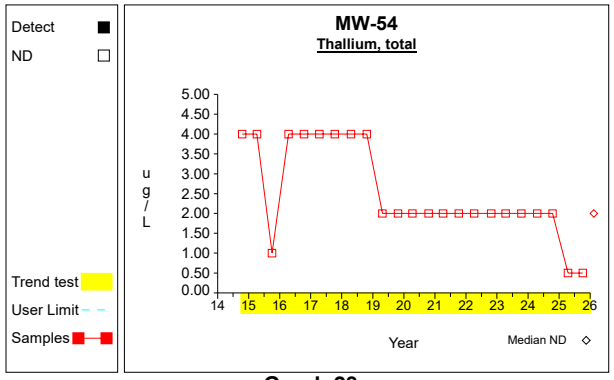
Graph 25



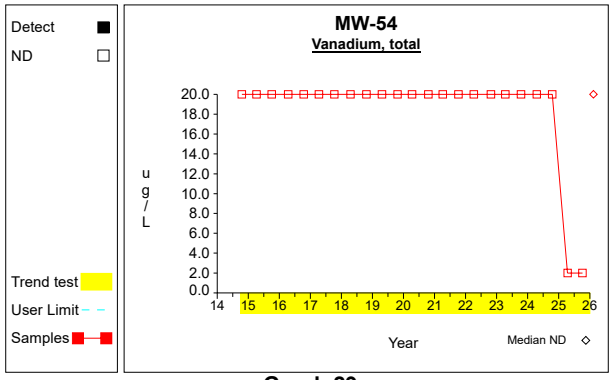
Graph 26



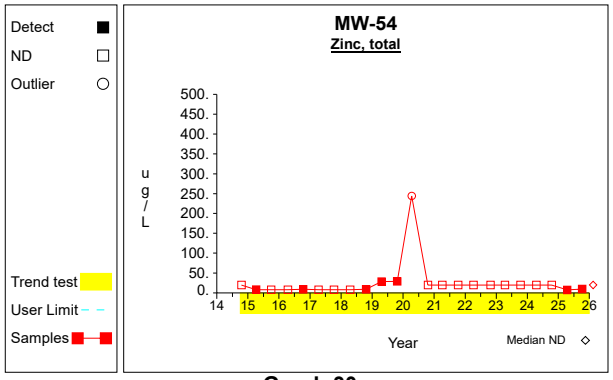
Graph 27



Graph 28

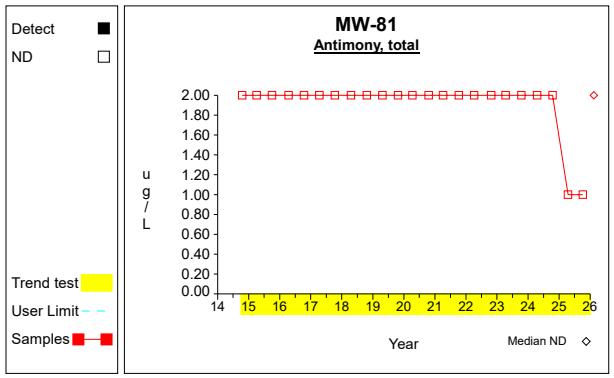


Graph 29

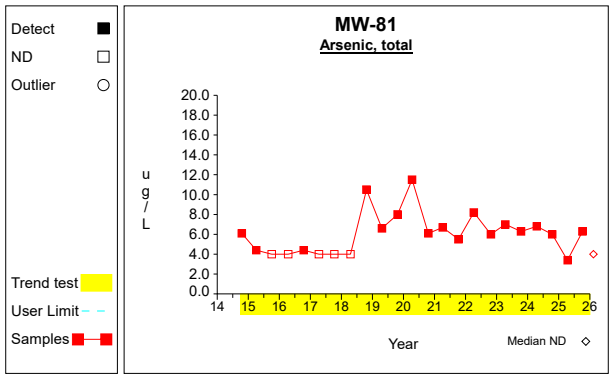


Graph 30

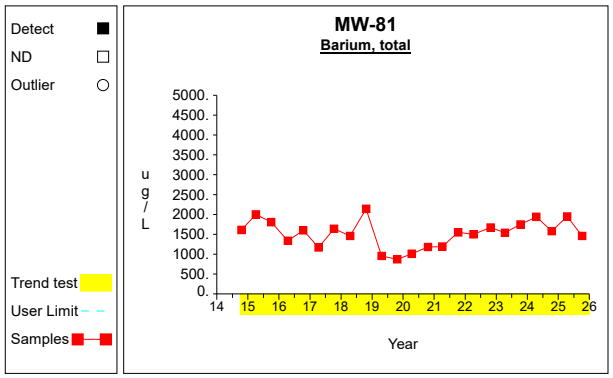
Time Series



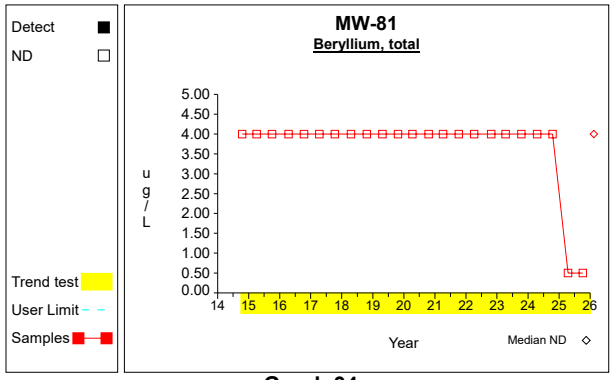
Graph 31



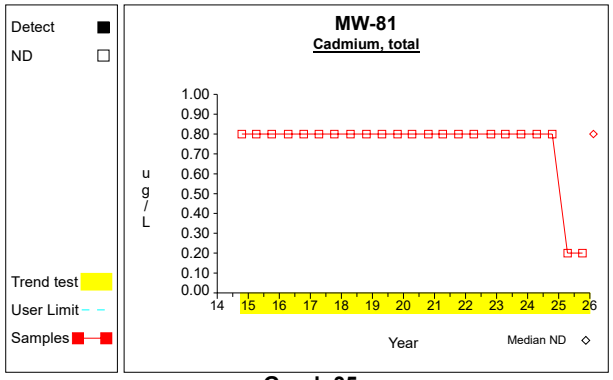
Graph 32



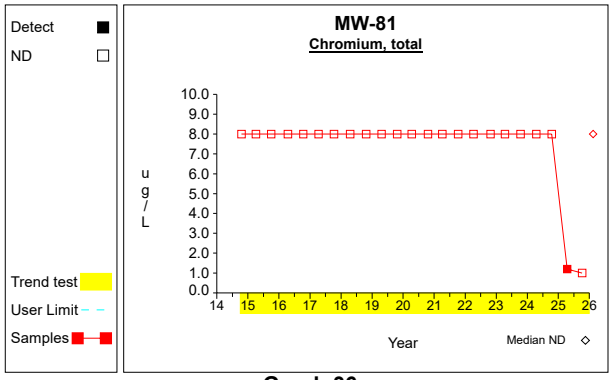
Graph 33



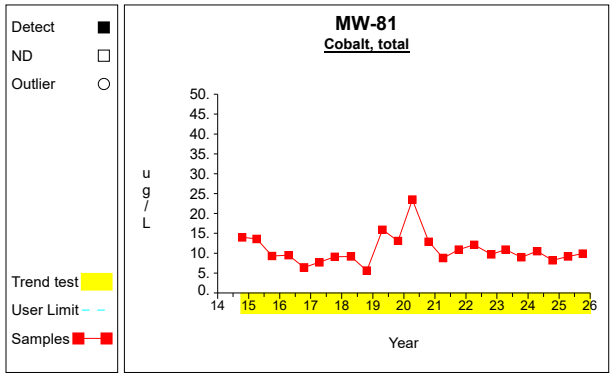
Graph 34



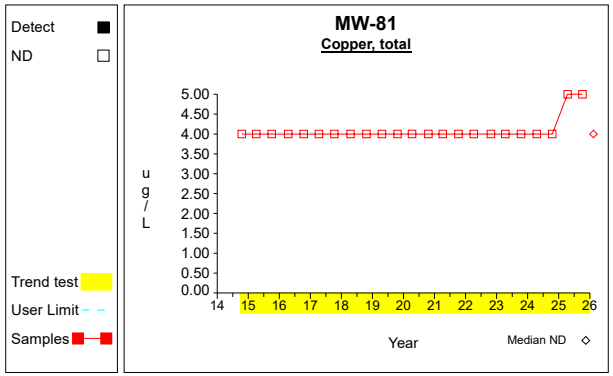
Graph 35



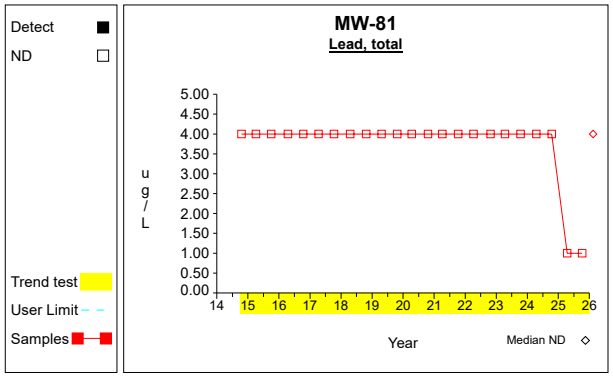
Graph 36



Graph 37



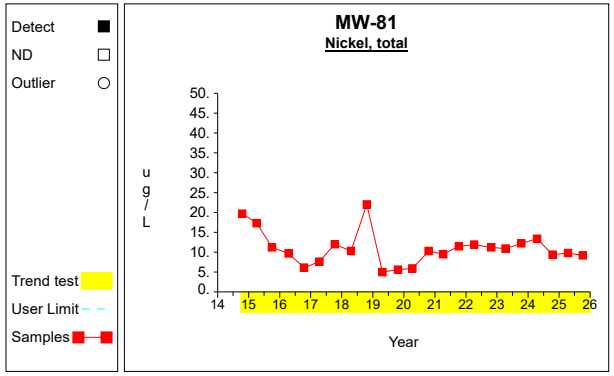
Graph 38



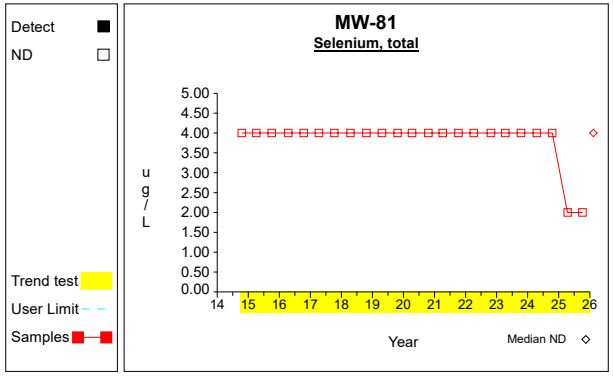
Graph 39

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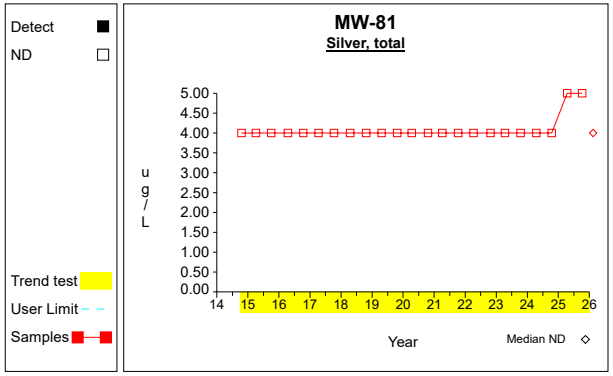
Time Series



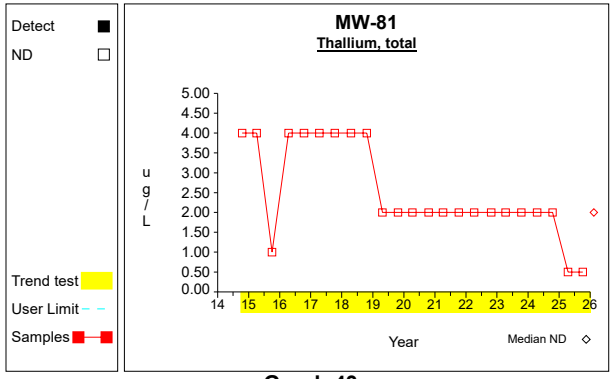
Graph 40



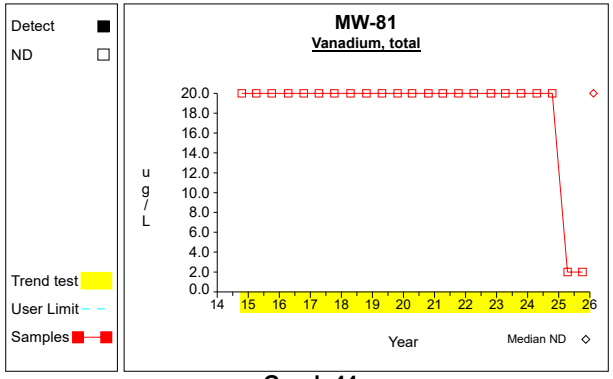
Graph 41



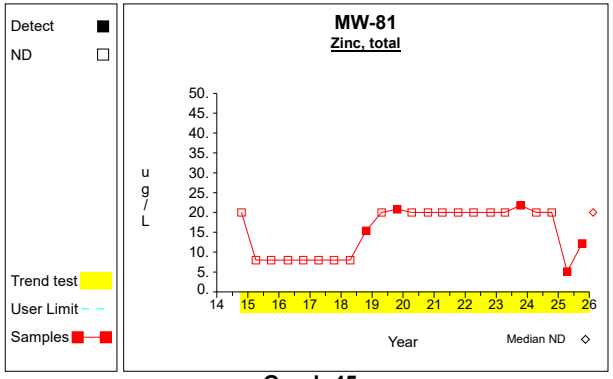
Graph 42



Graph 43

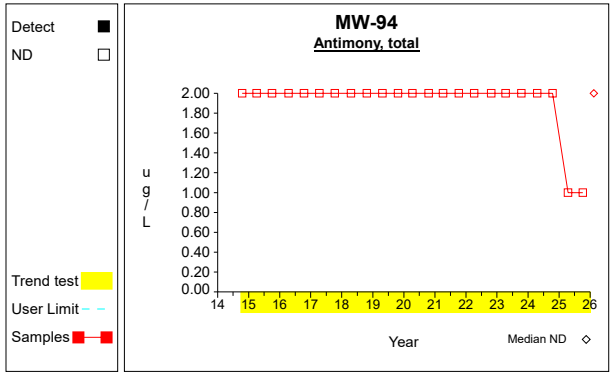


Graph 44

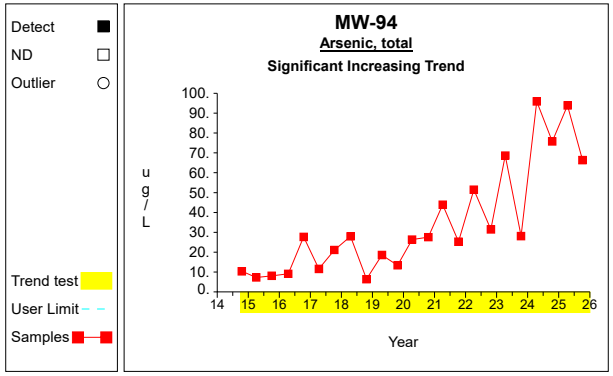


Graph 45

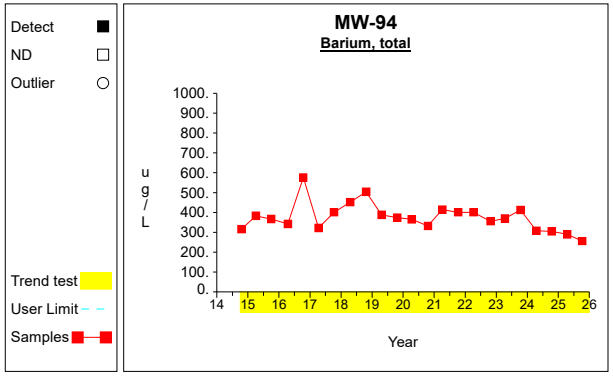
Time Series



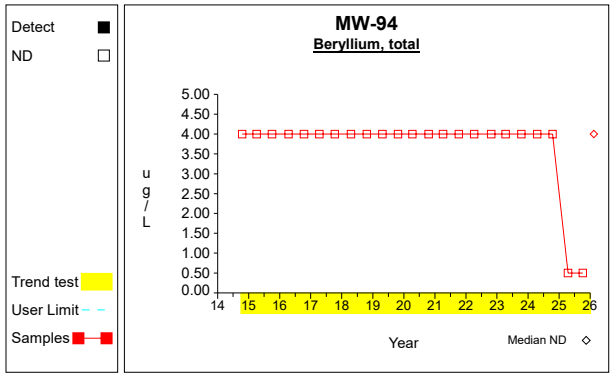
Graph 46



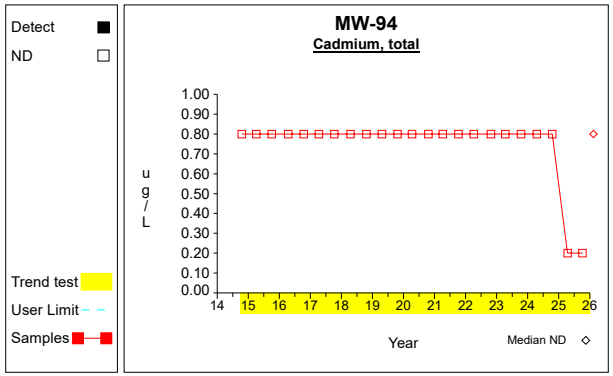
Graph 47



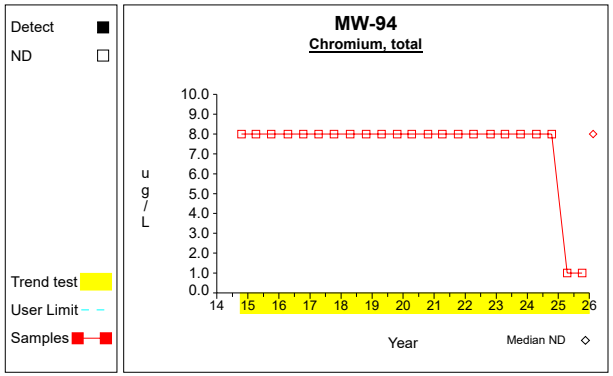
Graph 48



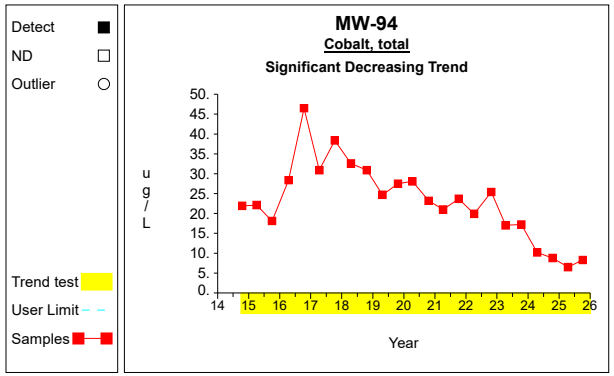
Graph 49



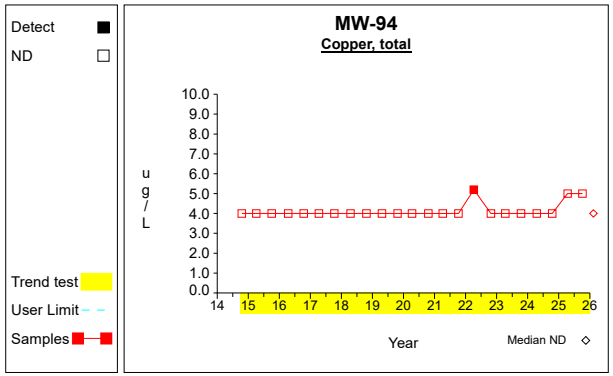
Graph 50



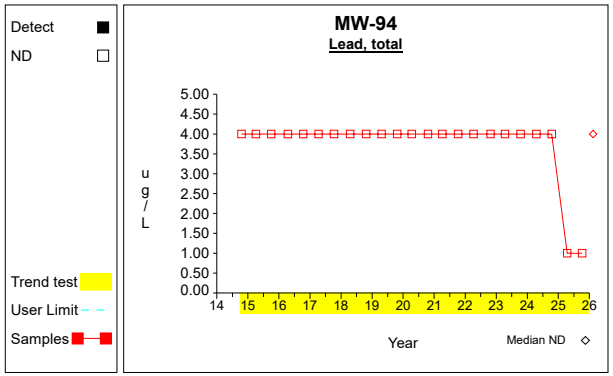
Graph 51



Graph 52

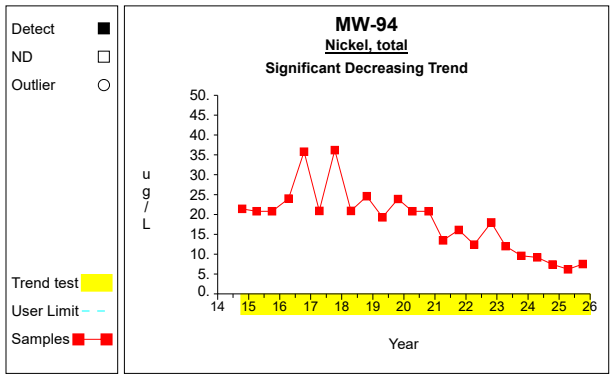


Graph 53

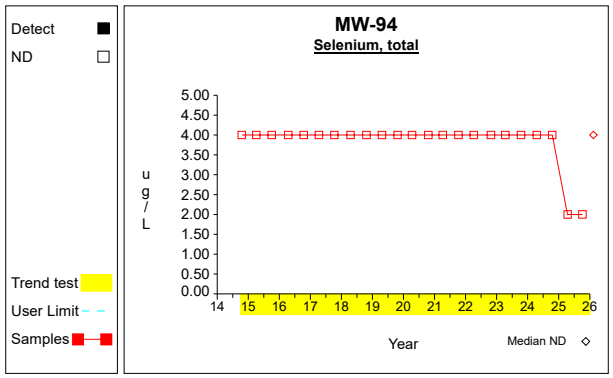


Graph 54

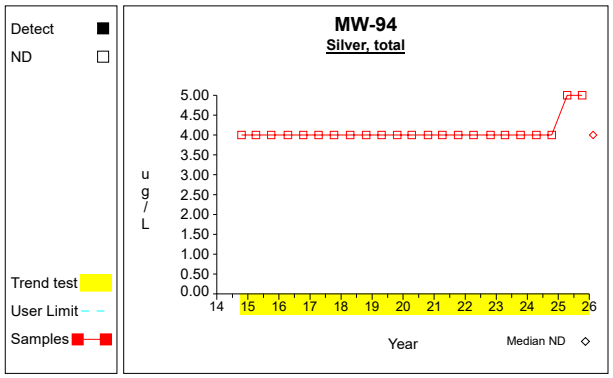
Time Series



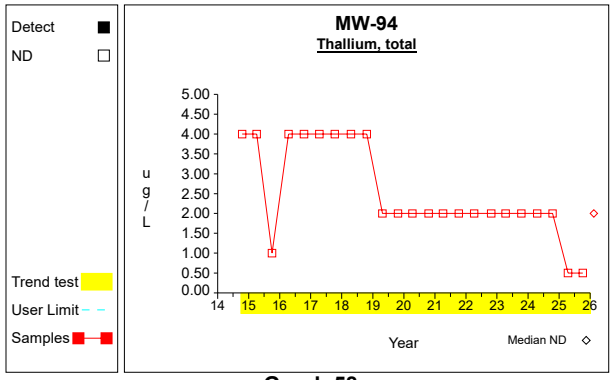
Graph 55



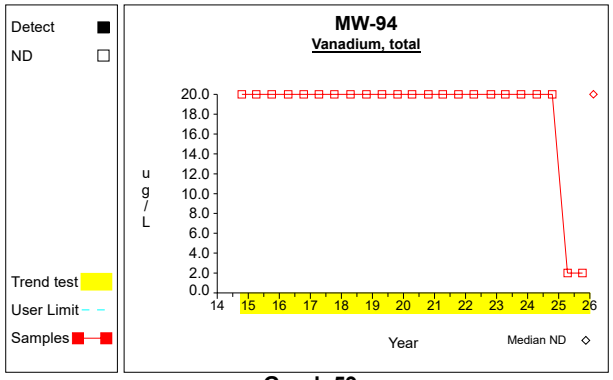
Graph 56



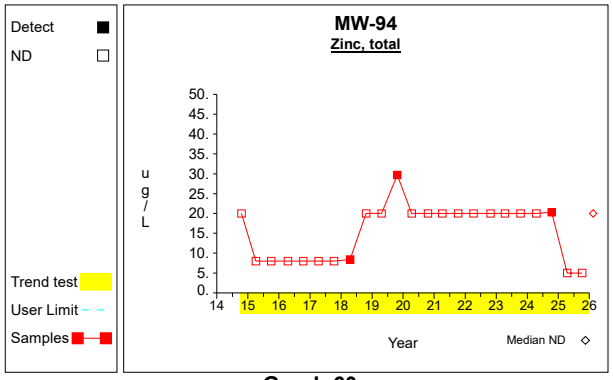
Graph 57



Graph 58

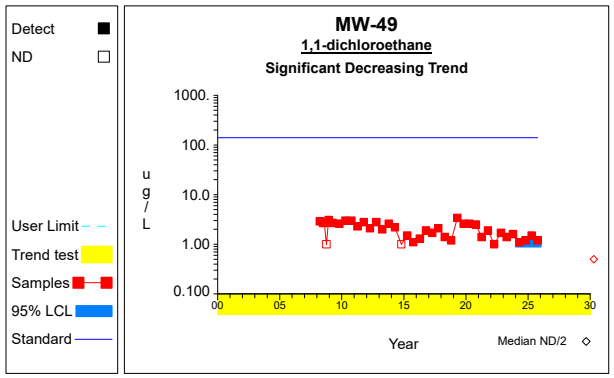


Graph 59

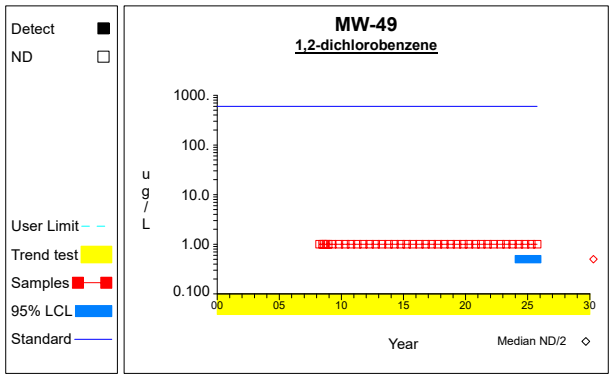


Graph 60

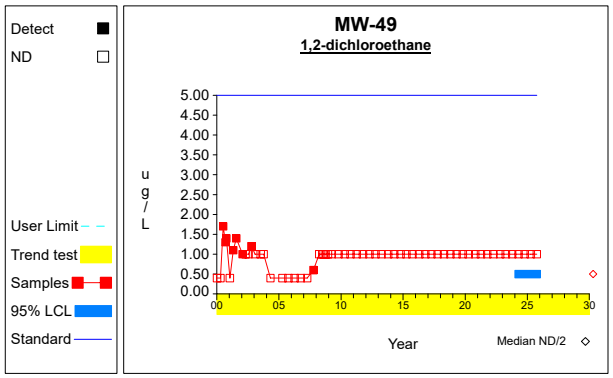
Confidence Limits (Assessment)



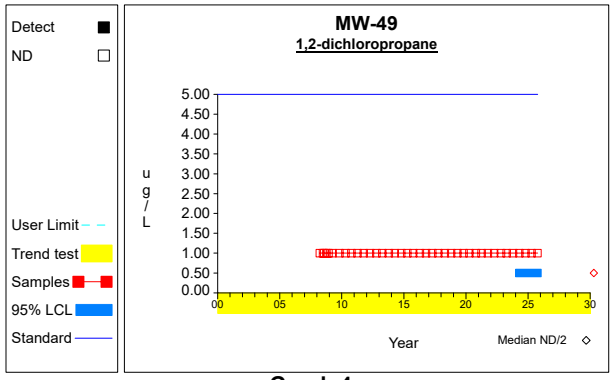
Graph 1



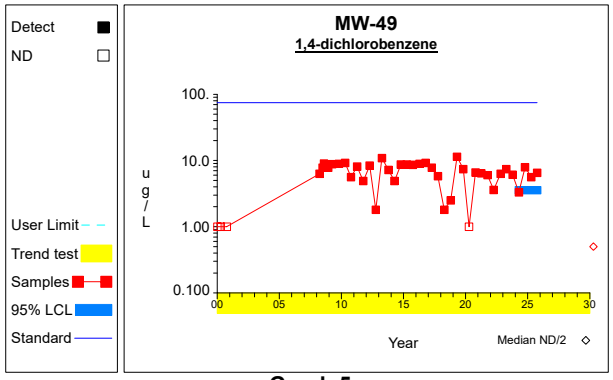
Graph 2



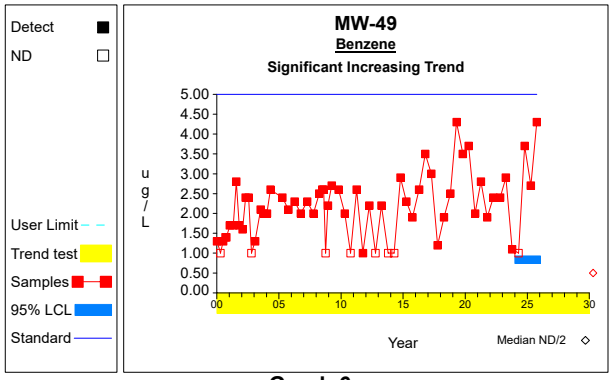
Graph 3



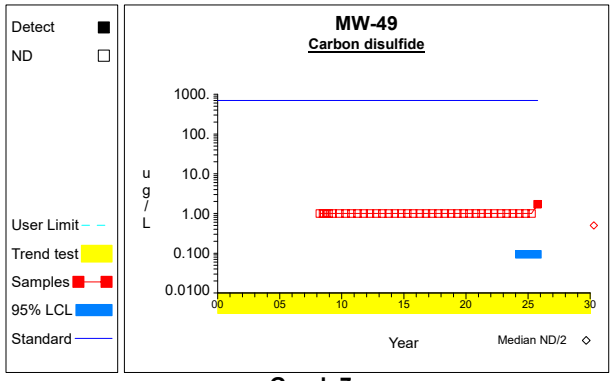
Graph 4



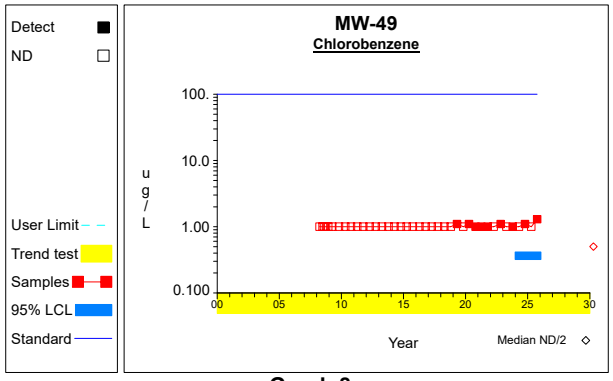
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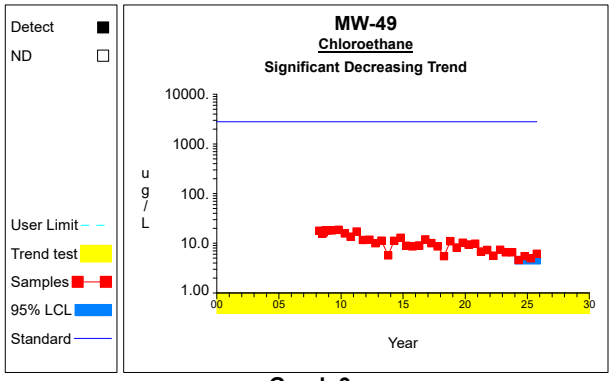
Graph 6



Graph 7



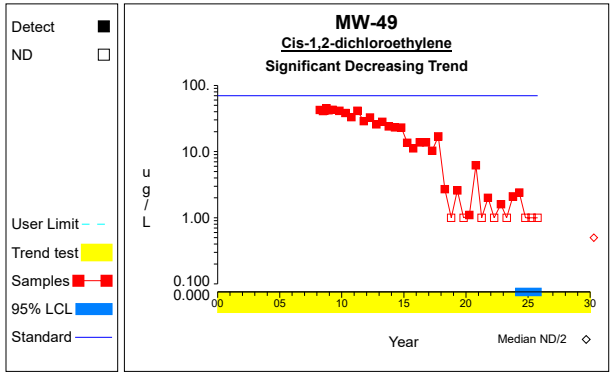
Graph 8



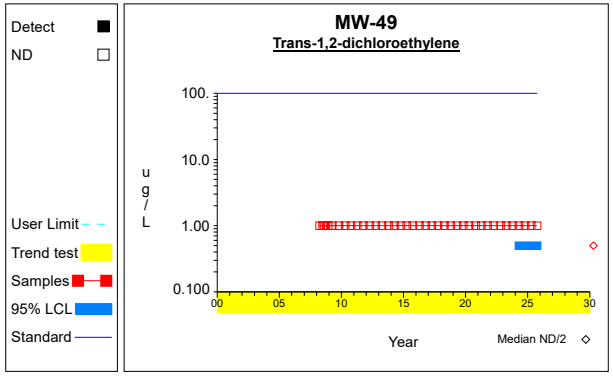
Graph 9

Prepared by: Otter Creek Environmental

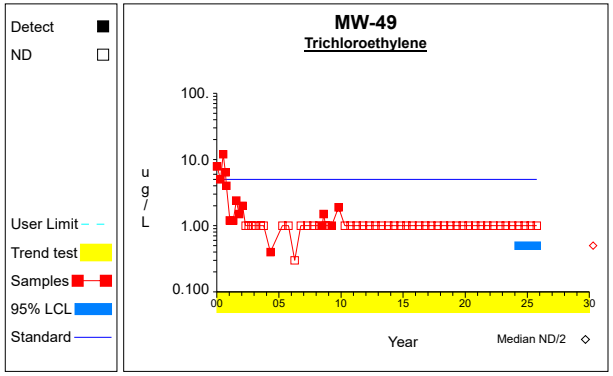
Confidence Limits (Assessment)



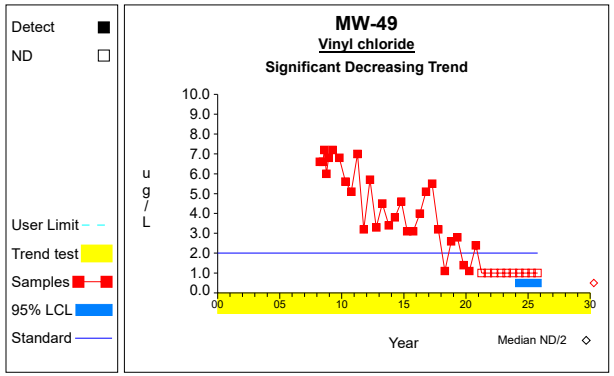
Graph 10



Graph 11

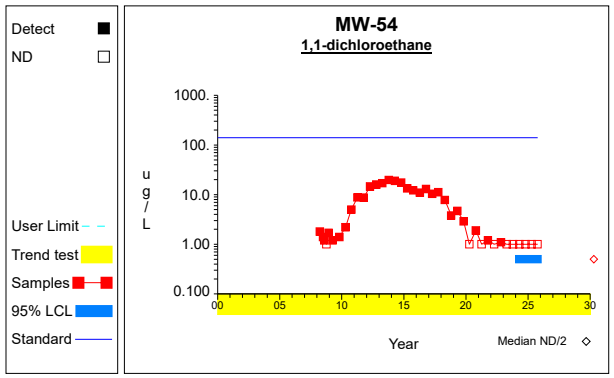


Graph 12

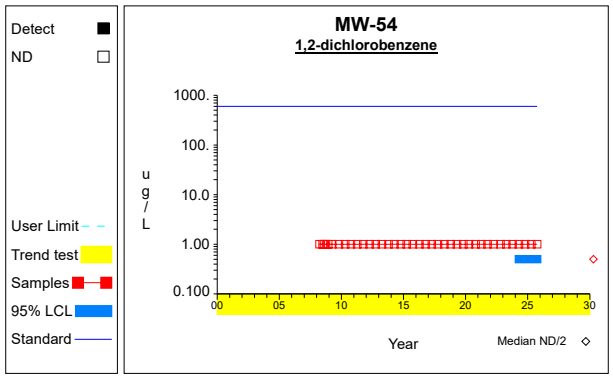


Graph 13

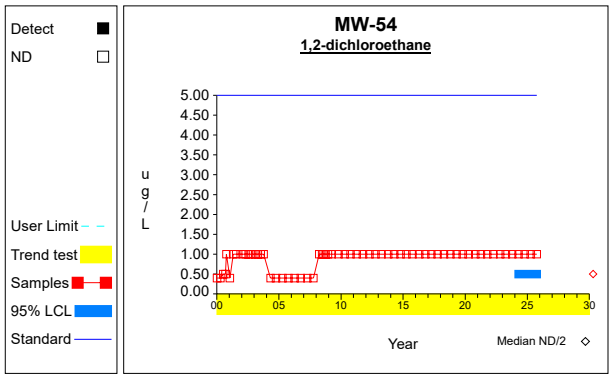
Confidence Limits (Assessment)



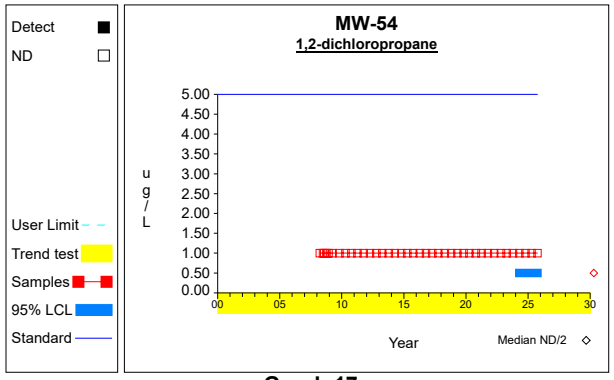
Graph 14



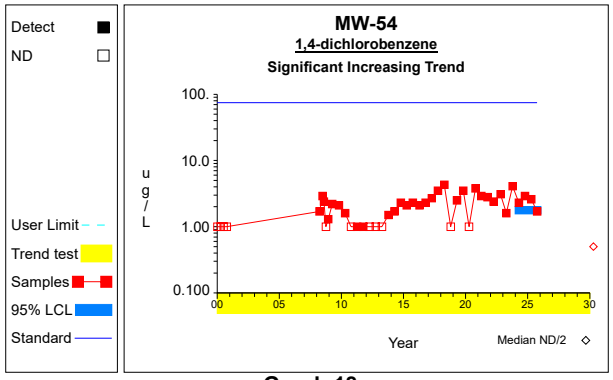
Graph 15



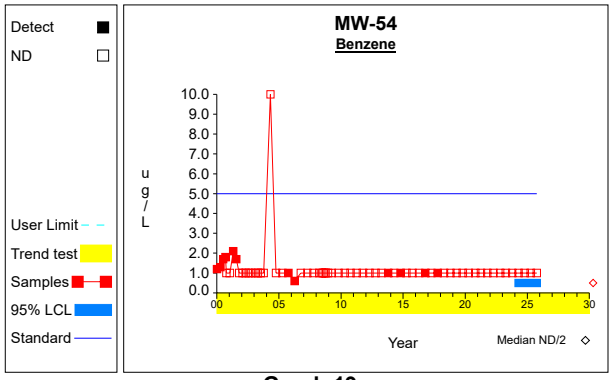
Graph 16



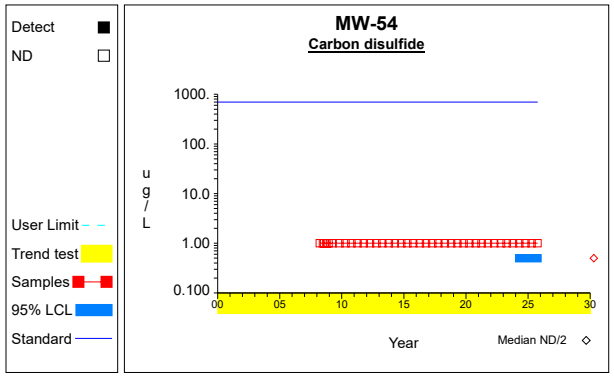
Graph 17



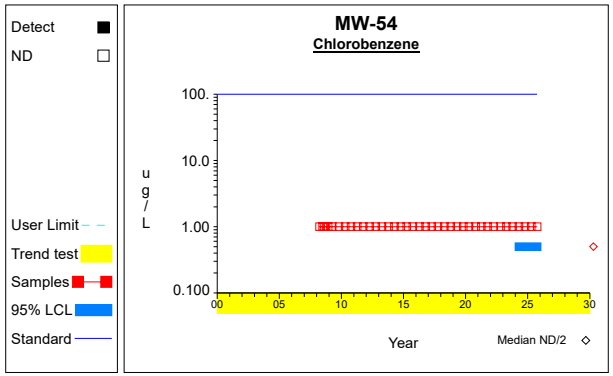
Graph 18



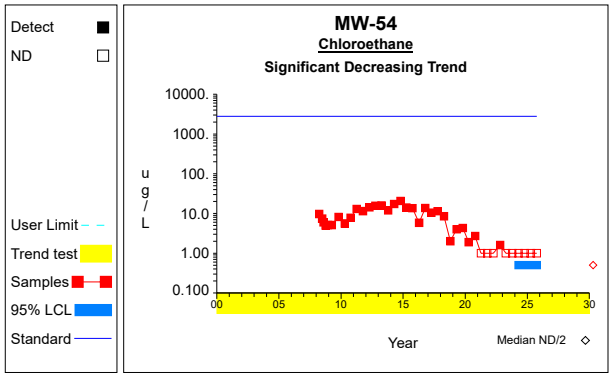
Graph 19



Graph 20

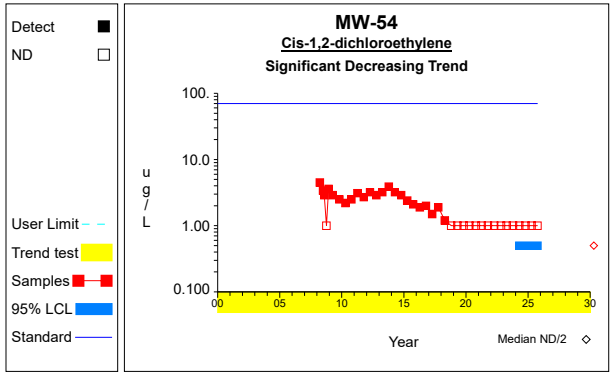


Graph 21

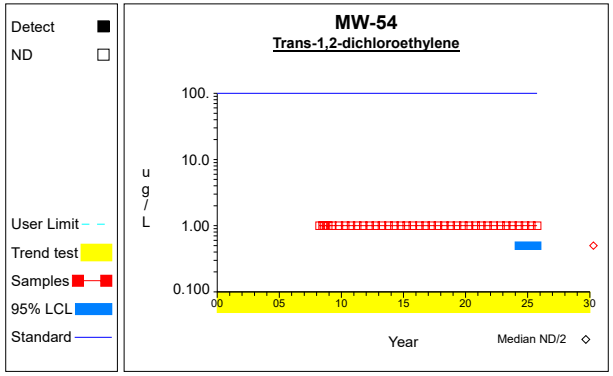


Graph 22

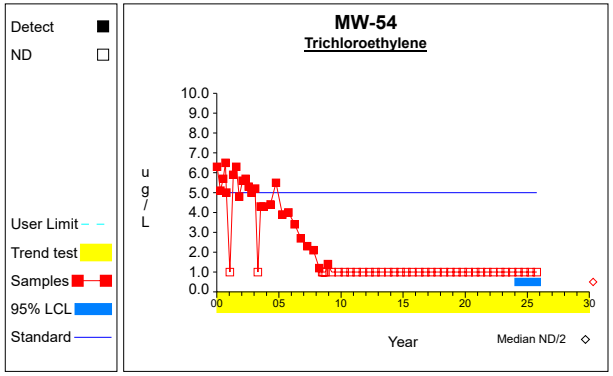
Confidence Limits (Assessment)



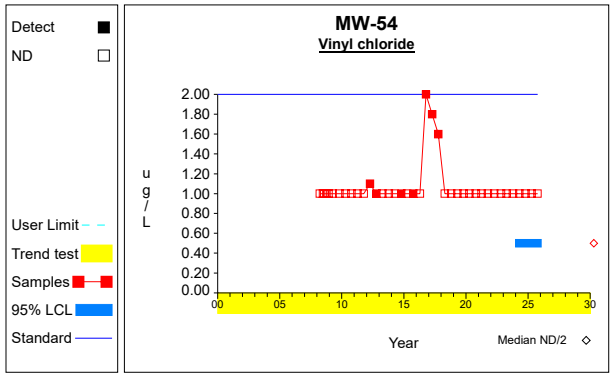
Graph 23



Graph 24



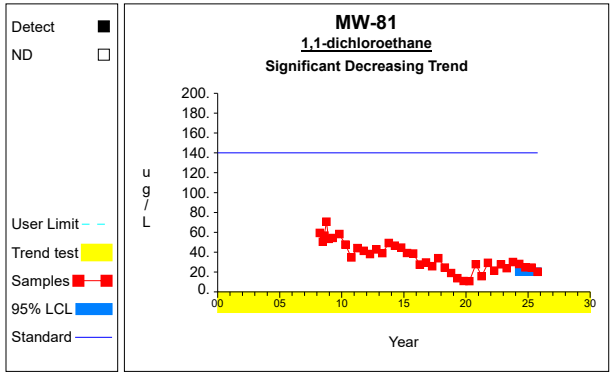
Graph 25



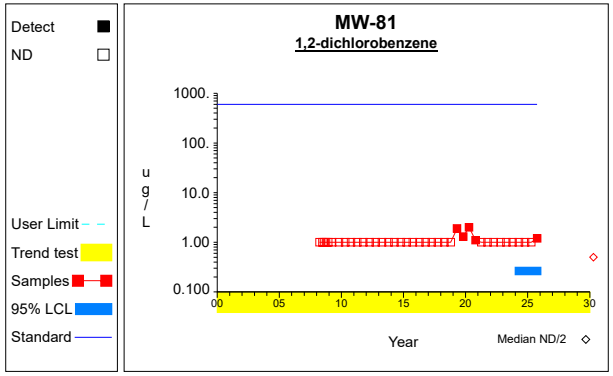
Graph 26

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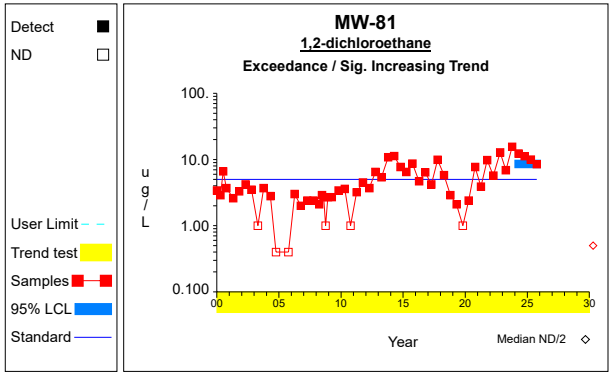
Confidence Limits (Assessment)



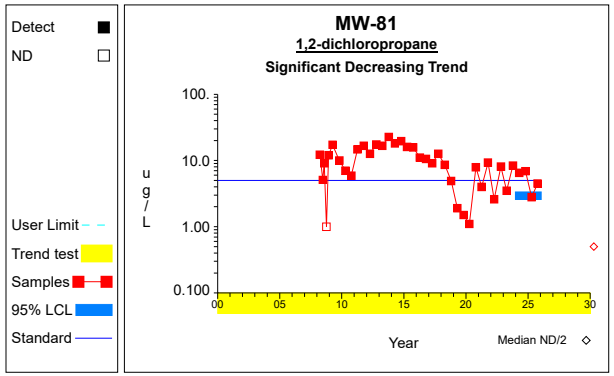
Graph 27



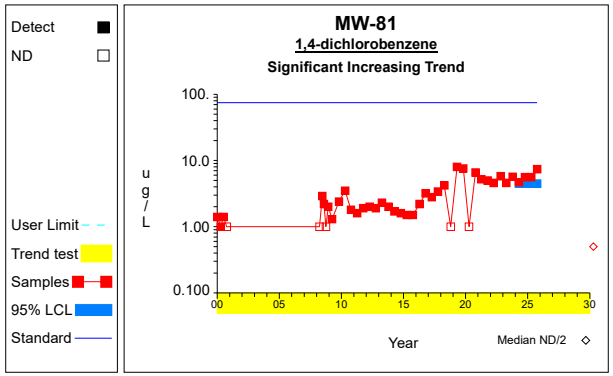
Graph 28



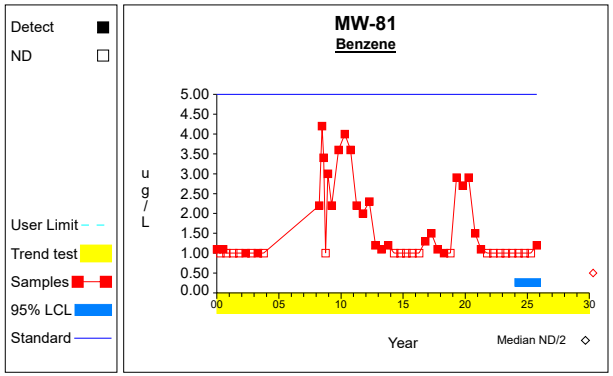
Graph 29



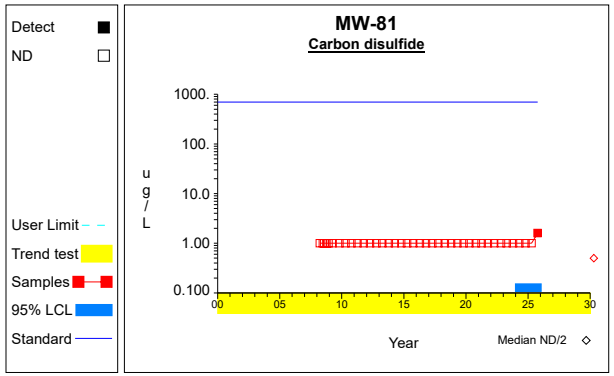
Graph 30



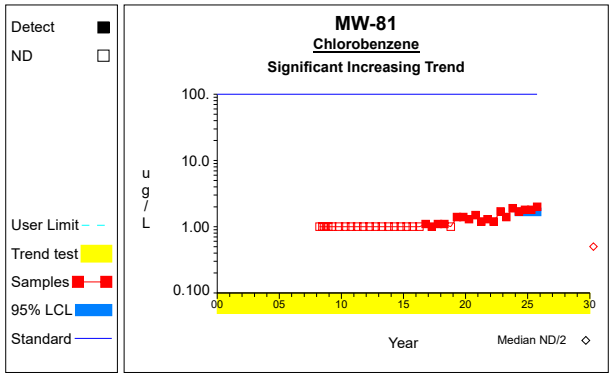
Graph 31



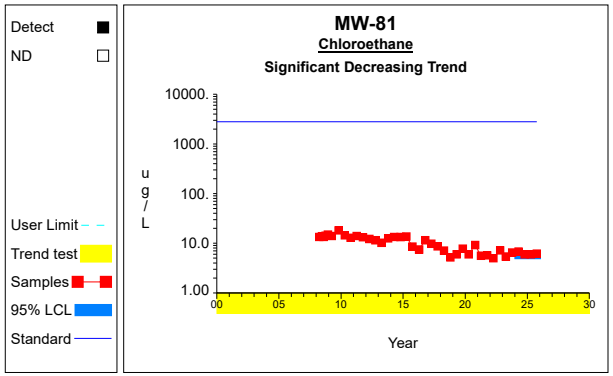
Graph 32



Graph 33

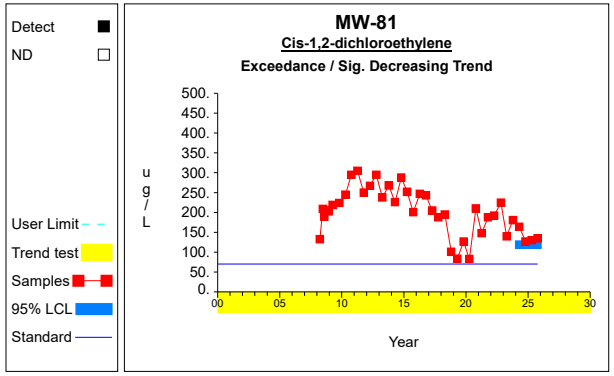


Graph 34

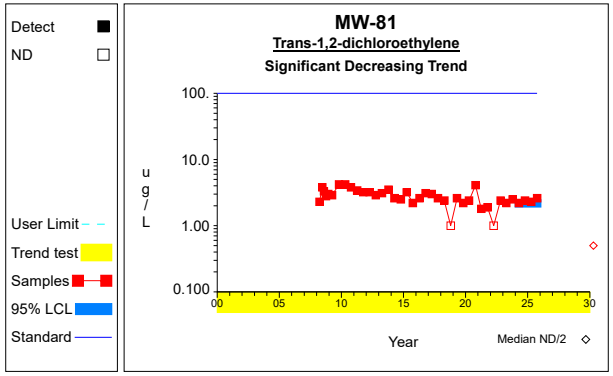


Graph 35

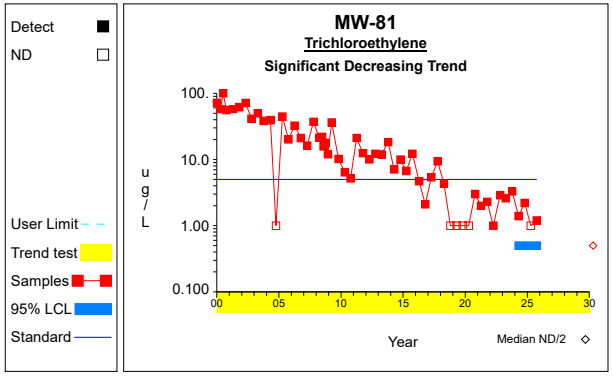
Confidence Limits (Assessment)



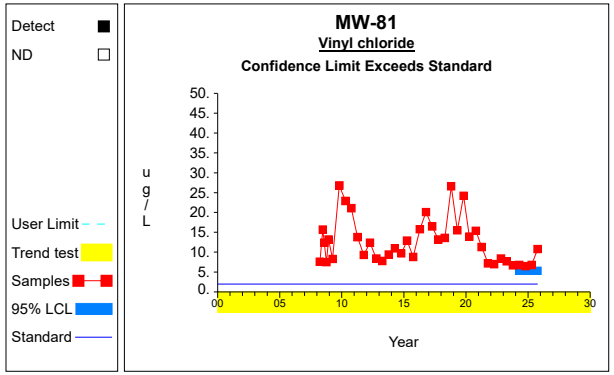
Graph 36



Graph 37

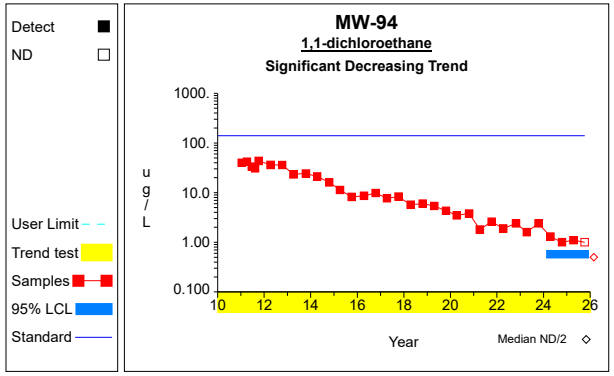


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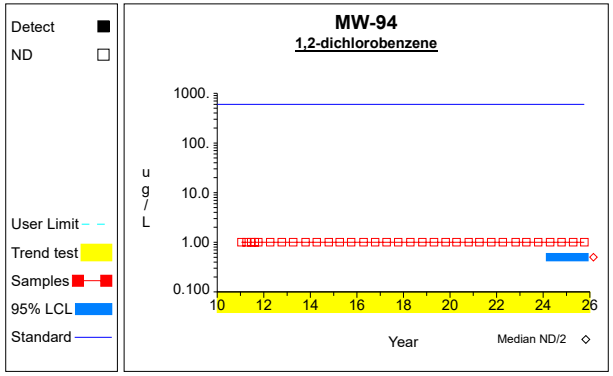


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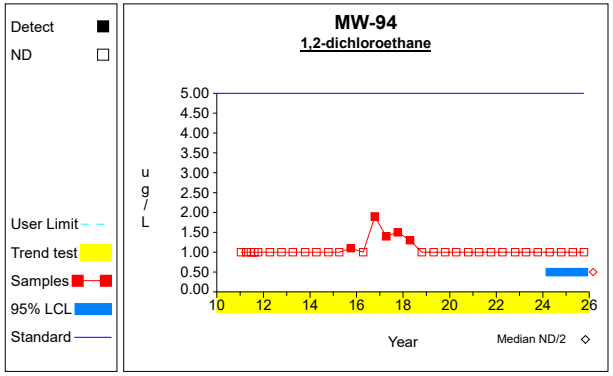
Confidence Limits (Assessment)



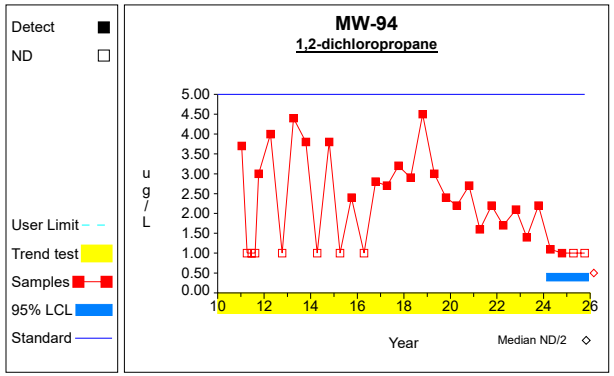
Graph 40



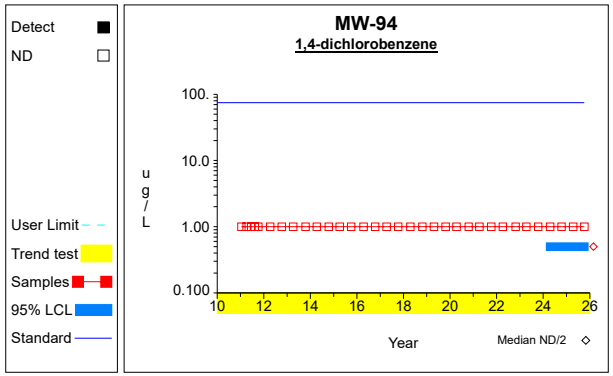
Graph 41



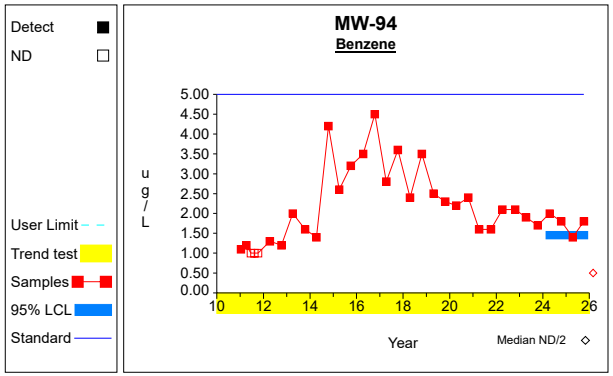
Graph 42



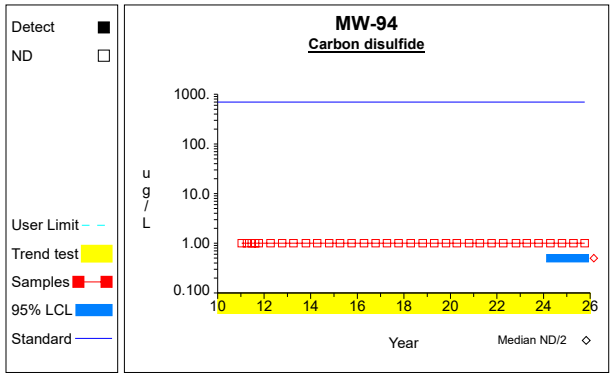
Graph 43



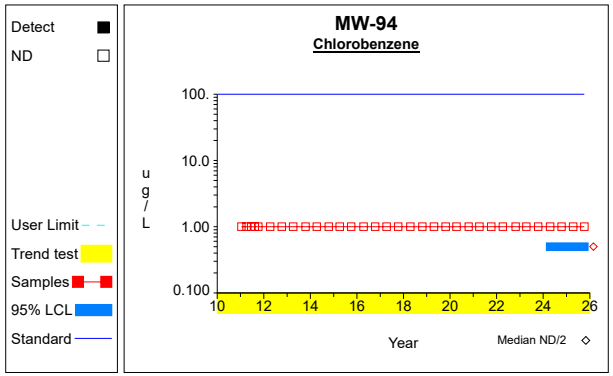
Graph 44



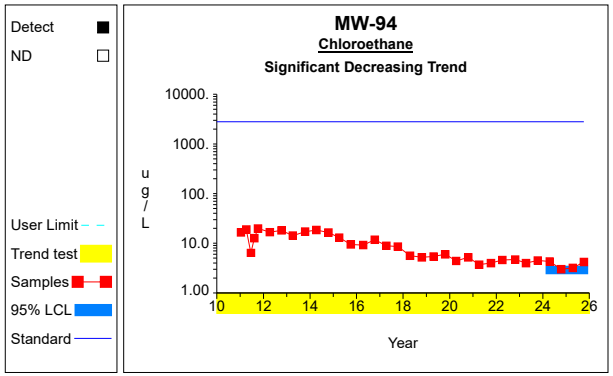
Graph 45



Graph 46



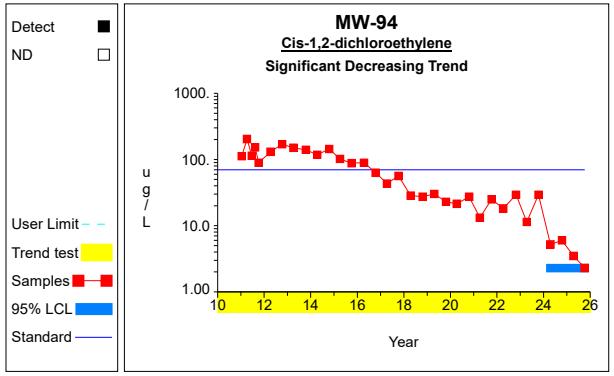
Graph 47



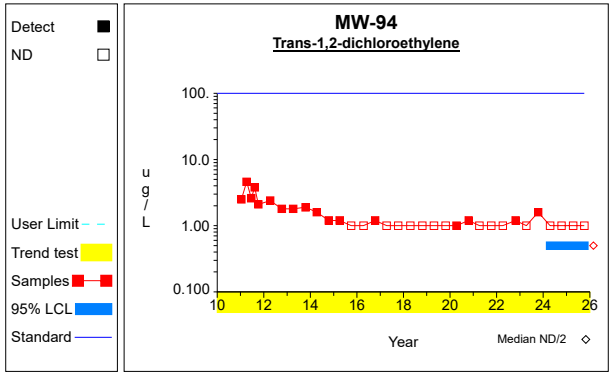
Graph 48

Prepared by: Otter Creek Environmental

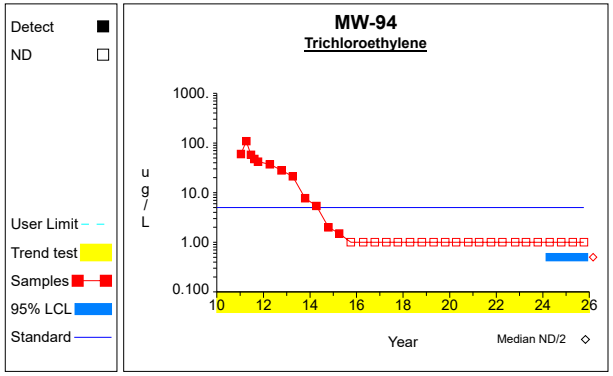
Confidence Limits (Assessment)



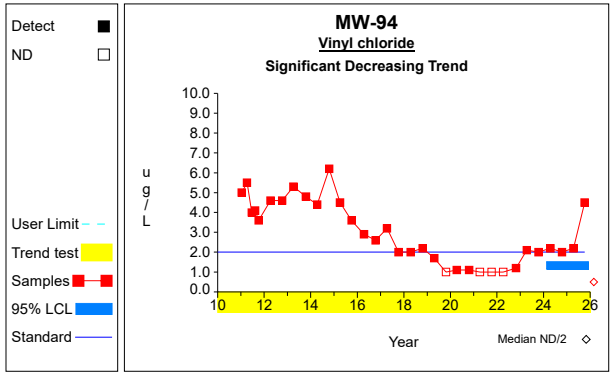
Graph 49



Graph 50



Graph 51



Graph 52

Appendix C

Laboratory Reports for Reporting Period

With Chain of Custody

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID1421

Project Description

6003

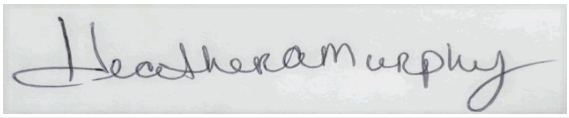
For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248



Heather Murphy

Customer Relationship Specialist

Wednesday, June 25, 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®

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID1421

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6003

Project / PO Number: N/A
Received: 04/15/2025
Reported: 06/25/2025

Sample Summary Report

Sample Name	Laboratory ID	Client Matrix	Sample Type	Sample Begin	Sample Taken	Lab Received
MW-85 (B)	1ID1421-01	Aqueous	GRAB		04/14/25 09:05	04/15/25 10:30
MW-98 (B)	1ID1421-02	Aqueous	GRAB		04/14/25 13:31	04/15/25 10:30
MW-99 (B)	1ID1421-03	Aqueous	GRAB		04/14/25 00:07	04/15/25 10:30
MW-49	1ID1421-04	Aqueous	GRAB		04/14/25 10:24	04/15/25 10:30
MW-54	1ID1421-05	Aqueous	GRAB		04/14/25 10:00	04/15/25 10:30
MW-81	1ID1421-06	Aqueous	GRAB		04/14/25 12:24	04/15/25 10:30
MW-87	1ID1421-07	Aqueous	GRAB		04/14/25 12:43	04/15/25 10:30
MW-89	1ID1421-08	Aqueous	GRAB		04/14/25 13:16	04/15/25 10:30
MW-91	1ID1421-09	Aqueous	GRAB		04/14/25 13:00	04/15/25 10:30
MW-93	1ID1421-10	Aqueous	GRAB		04/14/25 12:07	04/15/25 10:30
MW-94	1ID1421-11	Aqueous	GRAB		04/14/25 09:37	04/15/25 10:30
MW-95	1ID1421-12	Aqueous	GRAB		04/14/25 08:29	04/15/25 10:30
MW-96R	1ID1421-13	Aqueous	GRAB		04/14/25 11:47	04/15/25 10:30
MW-97	1ID1421-14	Aqueous	GRAB		04/14/25 09:24	04/15/25 10:30
SRAMP B Tile	1ID1421-15	Aqueous	GRAB		04/14/25 11:33	04/15/25 10:30
Duplicate	1ID1421-16	Aqueous	GRAB		04/14/25 00:00	04/15/25 10:30
LW-75	1ID1421-17	Aqueous	GRAB		04/14/25 10:47	04/15/25 10:30

Analytical Testing Parameters

Client Sample ID:	MW-85 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-01	**Collection Date:**	04/14/2025 9:05

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1540	RAF

Client Sample ID:	MW-85 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-01	**Collection Date:**	04/14/2025 9:05

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Styrene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Bromoform		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1540	RAF
Surrogate: Dibromofluoromethane	81.1	Limit: 57-134		% Rec		04/17/25 0000	04/17/25 1540	RAF
Surrogate: Dibromofluoromethane	81.1	Limit: 75-136		% Rec		04/17/25 0000	04/17/25 1540	RAF
Surrogate: 1,2-Dichloroethane-d4	71.6	Limit: 61-142		% Rec		04/17/25 0000	04/17/25 1540	RAF
Surrogate: 1,2-Dichloroethane-d4	71.6	Limit: 53-140		% Rec		04/17/25 0000	04/17/25 1540	RAF
Surrogate: Toluene-d8	107	Limit: 86-114		% Rec		04/17/25 0000	04/17/25 1540	RAF
Surrogate: Toluene-d8	107	Limit: 82-121		% Rec		04/17/25 0000	04/17/25 1540	RAF
Surrogate: 4-Bromofluorobenzene	89.4	Limit: 80-116		% Rec		04/17/25 0000	04/17/25 1540	RAF
Surrogate: 4-Bromofluorobenzene	89.4	Limit: 78-121		% Rec		04/17/25 0000	04/17/25 1540	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1120	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1120	RVV
Barium, total	**0.137**	0.0010	mg/L		06/02/25 1623	06/21/25 1120	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1120	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1120	RVV
Chromium, total	**0.0013**	0.0010	mg/L		06/02/25 1623	06/21/25 1120	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1120	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1120	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1120	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1120	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1120	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1120	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1120	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1120	RVV
Zinc, total	**0.0097**	0.0050	mg/L		06/02/25 1623	06/21/25 1120	RVV

Client Sample ID:	MW-98 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-02	**Collection Date:**	04/14/2025 13:31

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF

Client Sample ID:	MW-98 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-02	**Collection Date:**	04/14/2025 13:31

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1602	RAF
Surrogate: Dibromofluoromethane	80.0	Limit: 75-136		% Rec		04/17/25 0000	04/17/25 1602	RAF
Surrogate: Dibromofluoromethane	80.0	Limit: 57-134		% Rec		04/17/25 0000	04/17/25 1602	RAF
Surrogate: 1,2-Dichloroethane-d4	74.3	Limit: 61-142		% Rec		04/17/25 0000	04/17/25 1602	RAF
Surrogate: 1,2-Dichloroethane-d4	74.3	Limit: 53-140		% Rec		04/17/25 0000	04/17/25 1602	RAF
Surrogate: Toluene-d8	106	Limit: 82-121		% Rec		04/17/25 0000	04/17/25 1602	RAF
Surrogate: Toluene-d8	106	Limit: 86-114		% Rec		04/17/25 0000	04/17/25 1602	RAF
Surrogate: 4-Bromofluorobenzene	88.8	Limit: 80-116		% Rec		04/17/25 0000	04/17/25 1602	RAF
Surrogate: 4-Bromofluorobenzene	88.8	Limit: 78-121		% Rec		04/17/25 0000	04/17/25 1602	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1129	RVV
Arsenic, total	**0.0024**	0.0020	mg/L		06/02/25 1623	06/21/25 1129	RVV
Barium, total	**0.131**	0.0010	mg/L		06/02/25 1623	06/21/25 1129	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1129	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1129	RVV
Chromium, total	**0.0010**	0.0010	mg/L		06/02/25 1623	06/21/25 1129	RVV
Cobalt, total	**0.0012**	0.0005	mg/L		06/02/25 1623	06/21/25 1129	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1129	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1129	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1129	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1129	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1129	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1129	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1129	RVV
Zinc, total	**0.0062**	0.0050	mg/L		06/02/25 1623	06/21/25 1129	RVV

Client Sample ID:	MW-99 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-03	**Collection Date:**	04/14/2025 0:07

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF

Client Sample ID:	MW-99 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-03	**Collection Date:**	04/14/2025 0:07

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1624	RAF
Surrogate: Dibromofluoromethane	76.9	Limit: 75-136		% Rec		04/17/25 0000	04/17/25 1624	RAF
Surrogate: Dibromofluoromethane	76.9	Limit: 57-134		% Rec		04/17/25 0000	04/17/25 1624	RAF
Surrogate: 1,2-Dichloroethane-d4	69.4	Limit: 61-142		% Rec		04/17/25 0000	04/17/25 1624	RAF
Surrogate: 1,2-Dichloroethane-d4	69.4	Limit: 53-140		% Rec		04/17/25 0000	04/17/25 1624	RAF
Surrogate: Toluene-d8	107	Limit: 86-114		% Rec		04/17/25 0000	04/17/25 1624	RAF
Surrogate: Toluene-d8	107	Limit: 82-121		% Rec		04/17/25 0000	04/17/25 1624	RAF
Surrogate: 4-Bromofluorobenzene	91.2	Limit: 78-121		% Rec		04/17/25 0000	04/17/25 1624	RAF
Surrogate: 4-Bromofluorobenzene	91.2	Limit: 80-116		% Rec		04/17/25 0000	04/17/25 1624	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1132	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1132	RVV
Barium, total	**0.104**	0.0010	mg/L		06/02/25 1623	06/21/25 1132	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1132	RVV
Cadmium, total	**0.0002**	0.0002	mg/L		06/02/25 1623	06/21/25 1132	RVV
Chromium, total	**0.0011**	0.0010	mg/L		06/02/25 1623	06/21/25 1132	RVV
Cobalt, total	**0.0025**	0.0005	mg/L		06/02/25 1623	06/21/25 1132	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1132	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1132	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1132	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1132	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1132	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1132	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1132	RVV
Zinc, total	**0.0071**	0.0050	mg/L		06/02/25 1623	06/21/25 1132	RVV

Client Sample ID:	MW-49		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-04	**Collection Date:**	04/14/2025 10:24

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

Volatile Organic Compounds by GCMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA RSK-175							
Methane	**1520**	50.0	ug/L	**D3**	04/21/25 1034	04/21/25 1345	KJB
Ethene	<5.00	5.00	ug/L		04/17/25 1129	04/17/25 1448	KJB
Ethane	<5.00	5.00	ug/L		04/17/25 1129	04/17/25 1448	KJB

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Chloroethane	**5.0**	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,1-Dichloroethane	**1.5**	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Benzene	**2.7**	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1647	RAF

Client Sample ID:	MW-49		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-04	**Collection Date:**	04/14/2025 10:24

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,4-Dichlorobenzene	**5.6**	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1647	RAF
Surrogate: Dibromofluoromethane	82.3	Limit: 57-134	% Rec		04/17/25 0000	04/17/25 1647	RAF
Surrogate: Dibromofluoromethane	82.3	Limit: 75-136	% Rec		04/17/25 0000	04/17/25 1647	RAF
Surrogate: 1,2-Dichloroethane-d4	76.0	Limit: 53-140	% Rec		04/17/25 0000	04/17/25 1647	RAF
Surrogate: 1,2-Dichloroethane-d4	76.0	Limit: 61-142	% Rec		04/17/25 0000	04/17/25 1647	RAF
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec		04/17/25 0000	04/17/25 1647	RAF
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec		04/17/25 0000	04/17/25 1647	RAF
Surrogate: 4-Bromofluorobenzene	91.4	Limit: 80-116	% Rec		04/17/25 0000	04/17/25 1647	RAF
Surrogate: 4-Bromofluorobenzene	91.4	Limit: 78-121	% Rec		04/17/25 0000	04/17/25 1647	RAF

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9040C							
pH	**6.5**	0.5	pH	**H4**		04/16/25 1342	BSS
SM 2320 B-2011							
Alkalinity, as CaCO3	**808**	50	mg/L			04/16/25 1340	BSS

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1134	RVV
Arsenic, total	**0.294**	0.0020	mg/L		06/02/25 1623	06/21/25 1134	RVV
Barium, total	**0.315**	0.0010	mg/L		06/02/25 1623	06/21/25 1134	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1134	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1134	RVV
Chromium, total	**0.0012**	0.0010	mg/L		06/02/25 1623	06/21/25 1134	RVV
Cobalt, total	**0.0516**	0.0005	mg/L		06/02/25 1623	06/21/25 1134	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1134	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1134	RVV
Nickel, total	**0.0221**	0.0050	mg/L		06/02/25 1623	06/21/25 1134	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1134	RVV

Client Sample ID:	MW-49		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-04	**Collection Date:**	04/14/2025 10:24

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1134	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1134	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1134	RVV
Zinc, total	**0.0126**	0.0050	mg/L		06/02/25 1623	06/21/25 1134	RVV

Client Sample ID:	MW-54		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-05	**Collection Date:**	04/14/2025 10:00

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

Volatile Organic Compounds by GCMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA RSK-175							
Methane	<5.00	5.00	ug/L		04/21/25 1034	04/21/25 1331	KJB
Ethene	<5.00	5.00	ug/L		04/17/25 1129	04/17/25 1502	KJB
Ethane	<5.00	5.00	ug/L		04/17/25 1129	04/17/25 1502	KJB

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1709	RAF

Client Sample ID:	MW-54		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-05	**Collection Date:**	04/14/2025 10:00

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,4-Dichlorobenzene	**2.6**	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1709	RAF
Surrogate: Dibromofluoromethane	78.3	Limit: 75-136	% Rec		04/17/25 0000	04/17/25 1709	RAF
Surrogate: Dibromofluoromethane	78.3	Limit: 57-134	% Rec		04/17/25 0000	04/17/25 1709	RAF
Surrogate: 1,2-Dichloroethane-d4	72.3	Limit: 53-140	% Rec		04/17/25 0000	04/17/25 1709	RAF
Surrogate: 1,2-Dichloroethane-d4	72.3	Limit: 61-142	% Rec		04/17/25 0000	04/17/25 1709	RAF
Surrogate: Toluene-d8	107	Limit: 82-121	% Rec		04/17/25 0000	04/17/25 1709	RAF
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec		04/17/25 0000	04/17/25 1709	RAF
Surrogate: 4-Bromofluorobenzene	91.5	Limit: 80-116	% Rec		04/17/25 0000	04/17/25 1709	RAF
Surrogate: 4-Bromofluorobenzene	91.5	Limit: 78-121	% Rec		04/17/25 0000	04/17/25 1709	RAF

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9040C							
pH	**6.7**	0.5	pH	**H4**		04/16/25 1342	BSS
SM 2320 B-2011							
Alkalinity, as CaCO3	**564**	50	mg/L			04/16/25 1340	BSS

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1137	RVV
Arsenic, total	**0.0063**	0.0020	mg/L		06/02/25 1623	06/21/25 1137	RVV
Barium, total	**0.444**	0.0010	mg/L		06/02/25 1623	06/21/25 1137	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1137	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1137	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1137	RVV
Cobalt, total	**0.0102**	0.0005	mg/L		06/02/25 1623	06/21/25 1137	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1137	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1137	RVV
Nickel, total	**0.0172**	0.0050	mg/L		06/02/25 1623	06/21/25 1137	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1137	RVV

Client Sample ID:	MW-54		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-05	**Collection Date:**	04/14/2025 10:00

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1137	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1137	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1137	RVV
Zinc, total	**0.0075**	0.0050	mg/L		06/02/25 1623	06/21/25 1137	RVV

Client Sample ID:	MW-81		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-06	**Collection Date:**	04/14/2025 12:24

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

Volatile Organic Compounds by GCMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA RSK-175							
Methane	**1700**	50.0	ug/L	**D3**	04/21/25 1034	04/21/25 1358	KJB
Ethene	<5.00	5.00	ug/L		04/17/25 1129	04/17/25 1517	KJB
Ethane	<5.00	5.00	ug/L		04/17/25 1129	04/17/25 1517	KJB

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Vinyl Chloride	**6.8**	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Chloroethane	**6.0**	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
trans-1,2-Dichloroethylene	**2.3**	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,1-Dichloroethane	**24.6**	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
cis-1,2-Dichloroethylene	**130**	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,2-Dichloroethane	**10.0**	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,2-Dichloropropane	**2.8**	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1731	RAF

Client Sample ID:	MW-81		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-06	**Collection Date:**	04/14/2025 12:24

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Dibromochloromethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,2-Dibromoethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Chlorobenzene		**1.8**	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,1,1,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Ethylbenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Xylenes, total		<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Styrene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Bromoform		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,4-Dichlorobenzene		**5.6**	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1731	RAF
Surrogate: Dibromofluoromethane	83.5	Limit: 57-134	% Rec			04/17/25 0000	04/17/25 1731	RAF
Surrogate: Dibromofluoromethane	83.5	Limit: 75-136	% Rec			04/17/25 0000	04/17/25 1731	RAF
Surrogate: 1,2-Dichloroethane-d4	74.2	Limit: 53-140	% Rec			04/17/25 0000	04/17/25 1731	RAF
Surrogate: 1,2-Dichloroethane-d4	74.2	Limit: 61-142	% Rec			04/17/25 0000	04/17/25 1731	RAF
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec			04/17/25 0000	04/17/25 1731	RAF
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec			04/17/25 0000	04/17/25 1731	RAF
Surrogate: 4-Bromofluorobenzene	93.2	Limit: 78-121	% Rec			04/17/25 0000	04/17/25 1731	RAF
Surrogate: 4-Bromofluorobenzene	93.2	Limit: 80-116	% Rec			04/17/25 0000	04/17/25 1731	RAF

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9040C							
pH	**6.5**	0.5	pH	**H4**		04/16/25 1342	BSS
SM 2320 B-2011							
Alkalinity, as CaCO3	**888**	50	mg/L			04/16/25 1340	BSS

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1139	RVV
Arsenic, total	**0.0034**	0.0020	mg/L		06/02/25 1623	06/21/25 1139	RVV
Barium, total	**1.95**	0.0010	mg/L		06/02/25 1623	06/21/25 1139	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1139	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1139	RVV
Chromium, total	**0.0012**	0.0010	mg/L		06/02/25 1623	06/21/25 1139	RVV
Cobalt, total	**0.0092**	0.0005	mg/L		06/02/25 1623	06/21/25 1139	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1139	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1139	RVV
Nickel, total	**0.0098**	0.0050	mg/L		06/02/25 1623	06/21/25 1139	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1139	RVV

Client Sample ID:	MW-81		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-06	**Collection Date:**	04/14/2025 12:24

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1139	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1139	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1139	RVV
Zinc, total	**0.0051**	0.0050	mg/L		06/02/25 1623	06/21/25 1139	RVV

Client Sample ID:	MW-87		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-07	**Collection Date:**	04/14/2025 12:43

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF

Client Sample ID:	MW-87		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-07	**Collection Date:**	04/14/2025 12:43

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1754	RAF
Surrogate: Dibromofluoromethane	75.1	Limit: 57-134		% Rec		04/17/25 0000	04/17/25 1754	RAF
Surrogate: Dibromofluoromethane	75.1	Limit: 75-136		% Rec		04/17/25 0000	04/17/25 1754	RAF
Surrogate: 1,2-Dichloroethane-d4	69.4	Limit: 53-140		% Rec		04/17/25 0000	04/17/25 1754	RAF
Surrogate: 1,2-Dichloroethane-d4	69.4	Limit: 61-142		% Rec		04/17/25 0000	04/17/25 1754	RAF
Surrogate: Toluene-d8	105	Limit: 86-114		% Rec		04/17/25 0000	04/17/25 1754	RAF
Surrogate: Toluene-d8	105	Limit: 82-121		% Rec		04/17/25 0000	04/17/25 1754	RAF
Surrogate: 4-Bromofluorobenzene	88.0	Limit: 80-116		% Rec		04/17/25 0000	04/17/25 1754	RAF
Surrogate: 4-Bromofluorobenzene	88.0	Limit: 78-121		% Rec		04/17/25 0000	04/17/25 1754	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1147	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1147	RVV
Barium, total	**0.110**	0.0010	mg/L		06/02/25 1623	06/21/25 1147	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1147	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1147	RVV
Chromium, total	**0.0014**	0.0010	mg/L		06/02/25 1623	06/21/25 1147	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1147	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1147	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1147	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1147	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1147	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1147	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1147	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1147	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1147	RVV

Client Sample ID:	MW-89		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-08	**Collection Date:**	04/14/2025 13:16

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF

Client Sample ID:	MW-89		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-08	**Collection Date:**	04/14/2025 13:16

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1816	RAF
Surrogate: Dibromofluoromethane	74.1	Limit: 75-136	% Rec		**S2**	04/17/25 0000	04/17/25 1816	RAF
Surrogate: Dibromofluoromethane	74.1	Limit: 57-134	% Rec			04/17/25 0000	04/17/25 1816	RAF
Surrogate: 1,2-Dichloroethane-d4	66.1	Limit: 61-142	% Rec			04/17/25 0000	04/17/25 1816	RAF
Surrogate: 1,2-Dichloroethane-d4	66.1	Limit: 53-140	% Rec			04/17/25 0000	04/17/25 1816	RAF
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			04/17/25 0000	04/17/25 1816	RAF
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			04/17/25 0000	04/17/25 1816	RAF
Surrogate: 4-Bromofluorobenzene	85.6	Limit: 80-116	% Rec			04/17/25 0000	04/17/25 1816	RAF
Surrogate: 4-Bromofluorobenzene	85.6	Limit: 78-121	% Rec			04/17/25 0000	04/17/25 1816	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1150	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1150	RVV
Barium, total	**0.289**	0.0010	mg/L		06/02/25 1623	06/21/25 1150	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1150	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1150	RVV
Chromium, total	**0.0012**	0.0010	mg/L		06/02/25 1623	06/21/25 1150	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1150	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1150	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1150	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1150	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1150	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1150	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1150	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1150	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1150	RVV

CERTIFICATE OF ANALYSIS

1ID1421

Client Sample ID:	MW-91		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-09	**Collection Date:**	04/14/2025 13:00

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF

Client Sample ID:	MW-91		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-09	**Collection Date:**	04/14/2025 13:00

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1839	RAF
Surrogate: Dibromofluoromethane	75.3	Limit: 57-134	% Rec			04/17/25 0000	04/17/25 1839	RAF
Surrogate: Dibromofluoromethane	75.3	Limit: 75-136	% Rec			04/17/25 0000	04/17/25 1839	RAF
Surrogate: 1,2-Dichloroethane-d4	66.8	Limit: 53-140	% Rec			04/17/25 0000	04/17/25 1839	RAF
Surrogate: 1,2-Dichloroethane-d4	66.8	Limit: 61-142	% Rec			04/17/25 0000	04/17/25 1839	RAF
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec			04/17/25 0000	04/17/25 1839	RAF
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			04/17/25 0000	04/17/25 1839	RAF
Surrogate: 4-Bromofluorobenzene	89.6	Limit: 80-116	% Rec			04/17/25 0000	04/17/25 1839	RAF
Surrogate: 4-Bromofluorobenzene	89.6	Limit: 78-121	% Rec			04/17/25 0000	04/17/25 1839	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1152	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1152	RVV
Barium, total	**0.153**	0.0010	mg/L		06/02/25 1623	06/21/25 1152	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1152	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1152	RVV
Chromium, total	**0.0011**	0.0010	mg/L		06/02/25 1623	06/21/25 1152	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1152	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1152	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1152	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1152	RVV
Selenium, total	**0.0050**	0.0020	mg/L		06/02/25 1623	06/21/25 1152	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1152	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1152	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1152	RVV
Zinc, total	**0.0063**	0.0050	mg/L		06/02/25 1623	06/21/25 1152	RVV

Client Sample ID:	MW-93		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-10	**Collection Date:**	04/14/2025 12:07

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF

Client Sample ID:	MW-93		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-10	**Collection Date:**	04/14/2025 12:07

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1901	RAF
Surrogate: Dibromofluoromethane	85.2	Limit: 75-136	% Rec			04/17/25 0000	04/17/25 1901	RAF
Surrogate: Dibromofluoromethane	85.2	Limit: 57-134	% Rec			04/17/25 0000	04/17/25 1901	RAF
Surrogate: 1,2-Dichloroethane-d4	77.1	Limit: 61-142	% Rec			04/17/25 0000	04/17/25 1901	RAF
Surrogate: 1,2-Dichloroethane-d4	77.1	Limit: 53-140	% Rec			04/17/25 0000	04/17/25 1901	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec			04/17/25 0000	04/17/25 1901	RAF
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec			04/17/25 0000	04/17/25 1901	RAF
Surrogate: 4-Bromofluorobenzene	82.9	Limit: 78-121	% Rec			04/17/25 0000	04/17/25 1901	RAF
Surrogate: 4-Bromofluorobenzene	82.9	Limit: 80-116	% Rec			04/17/25 0000	04/17/25 1901	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1155	RVV
Arsenic, total	**0.0104**	0.0020	mg/L		06/02/25 1623	06/21/25 1155	RVV
Barium, total	**0.233**	0.0010	mg/L		06/02/25 1623	06/21/25 1155	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1155	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1155	RVV
Chromium, total	**0.0015**	0.0010	mg/L		06/02/25 1623	06/21/25 1155	RVV
Cobalt, total	**0.0115**	0.0005	mg/L		06/02/25 1623	06/21/25 1155	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1155	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1155	RVV
Nickel, total	**0.0283**	0.0050	mg/L		06/02/25 1623	06/21/25 1155	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1155	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1155	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1155	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1155	RVV
Zinc, total	**0.0087**	0.0050	mg/L		06/02/25 1623	06/21/25 1155	RVV

Client Sample ID:	MW-94		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-11	**Collection Date:**	04/14/2025 9:37

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Vinyl Chloride	**2.2**		1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Bromomethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Chloroethane	**3.2**		1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Trichlorofluoromethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,1-Dichloroethylene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Acetone		<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Methyl Iodide		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Carbon Disulfide		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Methylene Chloride		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Acrylonitrile		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
trans-1,2-Dichloroethylene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,1-Dichloroethane	**1.1**		1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Vinyl Acetate		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
cis-1,2-Dichloroethylene	**3.5**		1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
2-Butanone (MEK)		<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Bromochloromethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Chloroform		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,1,1-Trichloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Carbon Tetrachloride		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Benzene	**1.4**		1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,2-Dichloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Trichloroethylene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,2-Dichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Dibromomethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Bromodichloromethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
cis-1,3-Dichloropropene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
4-Methyl-2-pentanone (MIBK)		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Toluene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
trans-1,3-Dichloropropene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,1,2-Trichloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Tetrachloroethylene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
2-Hexanone (MBK)		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Dibromochloromethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,2-Dibromoethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Chlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,1,1,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Ethylbenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Xylenes, total		<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Styrene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Bromoform		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF

Client Sample ID:	MW-94		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-11	**Collection Date:**	04/14/2025 9:37

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1924	RAF
Surrogate: Dibromofluoromethane	77.0	Limit: 75-136	% Rec			04/17/25 0000	04/17/25 1924	RAF
Surrogate: Dibromofluoromethane	77.0	Limit: 57-134	% Rec			04/17/25 0000	04/17/25 1924	RAF
Surrogate: 1,2-Dichloroethane-d4	71.1	Limit: 53-140	% Rec			04/17/25 0000	04/17/25 1924	RAF
Surrogate: 1,2-Dichloroethane-d4	71.1	Limit: 61-142	% Rec			04/17/25 0000	04/17/25 1924	RAF
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			04/17/25 0000	04/17/25 1924	RAF
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec			04/17/25 0000	04/17/25 1924	RAF
Surrogate: 4-Bromofluorobenzene	84.7	Limit: 78-121	% Rec			04/17/25 0000	04/17/25 1924	RAF
Surrogate: 4-Bromofluorobenzene	84.7	Limit: 80-116	% Rec			04/17/25 0000	04/17/25 1924	RAF

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9040C							
pH	**6.6**	0.5	pH	**H4**		04/16/25 1342	BSS
SM 2320 B-2011							
Alkalinity, as CaCO3	**710**	50	mg/L			04/16/25 1340	BSS

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1157	RVV
Arsenic, total	**0.0939**	0.0020	mg/L		06/02/25 1623	06/21/25 1157	RVV
Barium, total	**0.290**	0.0010	mg/L		06/02/25 1623	06/21/25 1157	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1157	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1157	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1157	RVV
Cobalt, total	**0.0065**	0.0005	mg/L		06/02/25 1623	06/21/25 1157	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1157	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1157	RVV
Nickel, total	**0.0062**	0.0050	mg/L		06/02/25 1623	06/21/25 1157	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1157	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1157	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1157	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1157	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1157	RVV

Client Sample ID:	MW-95		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-12	**Collection Date:**	04/14/2025 8:29

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF

Client Sample ID:	MW-95		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-12	**Collection Date:**	04/14/2025 8:29

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 1946	RAF
Surrogate: Dibromofluoromethane	71.9	Limit: 75-136	% Rec		**S2**	04/17/25 0000	04/17/25 1946	RAF
Surrogate: Dibromofluoromethane	71.9	Limit: 57-134	% Rec			04/17/25 0000	04/17/25 1946	RAF
Surrogate: 1,2-Dichloroethane-d4	67.0	Limit: 53-140	% Rec			04/17/25 0000	04/17/25 1946	RAF
Surrogate: 1,2-Dichloroethane-d4	67.0	Limit: 61-142	% Rec			04/17/25 0000	04/17/25 1946	RAF
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec			04/17/25 0000	04/17/25 1946	RAF
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			04/17/25 0000	04/17/25 1946	RAF
Surrogate: 4-Bromofluorobenzene	87.3	Limit: 80-116	% Rec			04/17/25 0000	04/17/25 1946	RAF
Surrogate: 4-Bromofluorobenzene	87.3	Limit: 78-121	% Rec			04/17/25 0000	04/17/25 1946	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1200	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1200	RVV
Barium, total	**0.0336**	0.0010	mg/L		06/02/25 1623	06/21/25 1200	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1200	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1200	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1200	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1200	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1200	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1200	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1200	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1200	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1200	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1200	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1200	RVV
Zinc, total	**0.0076**	0.0050	mg/L		06/02/25 1623	06/21/25 1200	RVV

Client Sample ID:	MW-96R		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-13	**Collection Date:**	04/14/2025 11:47

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF

Client Sample ID:	MW-96R		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-13	**Collection Date:**	04/14/2025 11:47

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2008	RAF
Surrogate: Dibromofluoromethane	68.7	Limit: 57-134		% Rec		04/17/25 0000	04/17/25 2008	RAF
Surrogate: Dibromofluoromethane	68.7	Limit: 75-136		% Rec	S2	04/17/25 0000	04/17/25 2008	RAF
Surrogate: 1,2-Dichloroethane-d4	63.6	Limit: 53-140		% Rec		04/17/25 0000	04/17/25 2008	RAF
Surrogate: 1,2-Dichloroethane-d4	63.6	Limit: 61-142		% Rec		04/17/25 0000	04/17/25 2008	RAF
Surrogate: Toluene-d8	105	Limit: 86-114		% Rec		04/17/25 0000	04/17/25 2008	RAF
Surrogate: Toluene-d8	105	Limit: 82-121		% Rec		04/17/25 0000	04/17/25 2008	RAF
Surrogate: 4-Bromofluorobenzene	87.2	Limit: 78-121		% Rec		04/17/25 0000	04/17/25 2008	RAF
Surrogate: 4-Bromofluorobenzene	87.2	Limit: 80-116		% Rec		04/17/25 0000	04/17/25 2008	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1202	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1202	RVV
Barium, total	**0.126**	0.0010	mg/L		06/02/25 1623	06/21/25 1202	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1202	RVV
Cadmium, total	**0.0003**	0.0002	mg/L		06/02/25 1623	06/21/25 1202	RVV
Chromium, total	**0.0011**	0.0010	mg/L		06/02/25 1623	06/21/25 1202	RVV
Cobalt, total	**0.0009**	0.0005	mg/L		06/02/25 1623	06/21/25 1202	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1202	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1202	RVV
Nickel, total	**0.0052**	0.0050	mg/L		06/02/25 1623	06/21/25 1202	RVV
Selenium, total	**0.0072**	0.0020	mg/L		06/02/25 1623	06/21/25 1202	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1202	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1202	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1202	RVV
Zinc, total	**0.0097**	0.0050	mg/L		06/02/25 1623	06/21/25 1202	RVV

Client Sample ID:	MW-97		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-14	**Collection Date:**	04/14/2025 9:24

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF

Client Sample ID:	MW-97		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-14	**Collection Date:**	04/14/2025 9:24

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2031	RAF
Surrogate: Dibromofluoromethane	72.3	Limit: 75-136	% Rec		**S2**	04/17/25 0000	04/17/25 2031	RAF
Surrogate: Dibromofluoromethane	72.3	Limit: 57-134	% Rec			04/17/25 0000	04/17/25 2031	RAF
Surrogate: 1,2-Dichloroethane-d4	62.0	Limit: 61-142	% Rec			04/17/25 0000	04/17/25 2031	RAF
Surrogate: 1,2-Dichloroethane-d4	62.0	Limit: 53-140	% Rec			04/17/25 0000	04/17/25 2031	RAF
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			04/17/25 0000	04/17/25 2031	RAF
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec			04/17/25 0000	04/17/25 2031	RAF
Surrogate: 4-Bromofluorobenzene	86.7	Limit: 78-121	% Rec			04/17/25 0000	04/17/25 2031	RAF
Surrogate: 4-Bromofluorobenzene	86.7	Limit: 80-116	% Rec			04/17/25 0000	04/17/25 2031	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1205	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1205	RVV
Barium, total	**0.313**	0.0010	mg/L		06/02/25 1623	06/21/25 1205	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1205	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1205	RVV
Chromium, total	**0.0016**	0.0010	mg/L		06/02/25 1623	06/21/25 1205	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1205	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1205	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1205	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1205	RVV
Selenium, total	**0.0023**	0.0020	mg/L		06/02/25 1623	06/21/25 1205	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1205	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1205	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1205	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1205	RVV

Client Sample ID:	SRAMP B Tile		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-15	**Collection Date:**	04/14/2025 11:33

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF

Client Sample ID:	SRAMP B Tile		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-15	**Collection Date:**	04/14/2025 11:33

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2053	RAF
Surrogate: Dibromofluoromethane	87.5	Limit: 57-134		% Rec		04/17/25 0000	04/17/25 2053	RAF
Surrogate: Dibromofluoromethane	87.5	Limit: 75-136		% Rec		04/17/25 0000	04/17/25 2053	RAF
Surrogate: 1,2-Dichloroethane-d4	81.0	Limit: 61-142		% Rec		04/17/25 0000	04/17/25 2053	RAF
Surrogate: 1,2-Dichloroethane-d4	81.0	Limit: 53-140		% Rec		04/17/25 0000	04/17/25 2053	RAF
Surrogate: Toluene-d8	101	Limit: 86-114		% Rec		04/17/25 0000	04/17/25 2053	RAF
Surrogate: Toluene-d8	101	Limit: 82-121		% Rec		04/17/25 0000	04/17/25 2053	RAF
Surrogate: 4-Bromofluorobenzene	86.1	Limit: 80-116		% Rec		04/17/25 0000	04/17/25 2053	RAF
Surrogate: 4-Bromofluorobenzene	86.1	Limit: 78-121		% Rec		04/17/25 0000	04/17/25 2053	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1207	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1207	RVV
Barium, total	**0.0160**	0.0010	mg/L		06/02/25 1623	06/21/25 1207	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1207	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1207	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1207	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1207	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1207	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1207	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1207	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1207	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1207	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1207	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1207	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1207	RVV

Client Sample ID:	Duplicate		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-16	**Collection Date:**	04/14/2025

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1210	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1210	RVV
Barium, total	**0.113**	0.0010	mg/L		06/02/25 1623	06/21/25 1210	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1210	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1623	06/21/25 1210	RVV
Chromium, total	**0.0010**	0.0010	mg/L		06/02/25 1623	06/21/25 1210	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1210	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1210	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1623	06/21/25 1210	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1210	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1210	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1210	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1623	06/21/25 1210	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1623	06/21/25 1210	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1623	06/21/25 1210	RVV

Client Sample ID:	LW-75		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-17	**Collection Date:**	04/14/2025 10:47

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

Volatile Organic Compounds by GCMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA RSK-175							
Methane	**5470**	100	ug/L	**D3**	04/21/25 1034	04/21/25 1412	KJB
Ethene	<5.00	5.00	ug/L		04/17/25 1129	04/17/25 1545	KJB
Ethane	<5.00	5.00	ug/L		04/17/25 1129	04/17/25 1545	KJB

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Vinyl Chloride	**6.4**	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Chloroethane	**4.0**	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Acetone	**33.2**	10.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Methylene Chloride	**147**	5.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,1-Dichloroethane	**17.1**	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
cis-1,2-Dichloroethylene	**15.7**	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Benzene	**12.5**	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Trichloroethylene	**2.3**	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
4-Methyl-2-pentanone (MIBK)	**6.6**	5.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Toluene	**230**	10.0	ug/L		04/22/25 0000	04/22/25 2237	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2116	RAF

Client Sample ID:	LW-75		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-17	**Collection Date:**	04/14/2025 10:47

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Dibromochloromethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,2-Dibromoethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Chlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,1,1,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Ethylbenzene	**246**		10.0	ug/L		04/22/25 0000	04/22/25 2237	RAF
Xylenes, total	**165**		20.0	ug/L		04/22/25 0000	04/22/25 2237	RAF
Styrene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Bromoform		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,4-Dichlorobenzene	**375**		10.0	ug/L		04/22/25 0000	04/22/25 2237	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2116	RAF
Surrogate: Dibromofluoromethane	83.5	Limit: 75-136	% Rec			04/17/25 0000	04/17/25 2116	RAF
Surrogate: Dibromofluoromethane	105	Limit: 75-136	% Rec			04/22/25 0000	04/22/25 2237	RAF
Surrogate: Dibromofluoromethane	83.5	Limit: 57-134	% Rec			04/17/25 0000	04/17/25 2116	RAF
Surrogate: 1,2-Dichloroethane-d4	82.0	Limit: 53-140	% Rec			04/17/25 0000	04/17/25 2116	RAF
Surrogate: 1,2-Dichloroethane-d4	91.1	Limit: 61-142	% Rec			04/22/25 0000	04/22/25 2237	RAF
Surrogate: 1,2-Dichloroethane-d4	82.0	Limit: 61-142	% Rec			04/17/25 0000	04/17/25 2116	RAF
Surrogate: Toluene-d8	97.4	Limit: 82-121	% Rec			04/22/25 0000	04/22/25 2237	RAF
Surrogate: Toluene-d8	93.9	Limit: 86-114	% Rec			04/17/25 0000	04/17/25 2116	RAF
Surrogate: Toluene-d8	93.9	Limit: 82-121	% Rec			04/17/25 0000	04/17/25 2116	RAF
Surrogate: 4-Bromofluorobenzene	99.2	Limit: 80-116	% Rec			04/17/25 0000	04/17/25 2116	RAF
Surrogate: 4-Bromofluorobenzene	99.2	Limit: 78-121	% Rec			04/17/25 0000	04/17/25 2116	RAF
Surrogate: 4-Bromofluorobenzene	97.6	Limit: 80-116	% Rec			04/22/25 0000	04/22/25 2237	RAF

Determination of Conventional Chemistry Parameters		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 410.4, Rv. 2 (1993)								
COD, total	**1030**		54	mg/L		04/21/25 0751	04/21/25 1407	CES
EPA 9040C								
pH	**6.7**		0.5	pH	**H4**		04/16/25 1342	BSS
SM 2320 B-2011								
Alkalinity, as CaCO3	**1800**		50	mg/L			04/16/25 1340	BSS
SM 5210 B-2016								
BOD (5 day)	**131**		24	mg/L	**K2**		04/16/25 0839	MND
TIMBERLINE								
Nitrogen, Ammonia	**87.9**		1.00	mg/L		04/16/25 0921	04/16/25 1149	SDF
USGS I-1750-85								
Total Dissolved Solids (TDS)	**3490**		5	mg/L		04/21/25 0728	04/21/25 0904	LAW
USGS I-3765-85								
Total Suspended Solids (TSS)		<20	20	mg/L		04/16/25 0755	04/16/25 1332	LAW

CERTIFICATE OF ANALYSIS

1ID1421

Client Sample ID:	LW-75		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1421-17	**Collection Date:**	04/14/2025 10:47

Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Chloride	**1130**	20.0	mg/L		04/25/25 0000	04/25/25 2051	MID
Sulfate	**64.9**	20.0	mg/L		04/25/25 0000	04/25/25 2051	MID

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Arsenic, total	**0.0139**	0.0020	mg/L		06/02/25 1623	06/21/25 1217	RVV
Cobalt, total	**0.0199**	0.0005	mg/L		06/02/25 1623	06/21/25 1217	RVV

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
USGS I-3765-85	1ID0823	1ID0823-BS1	
		1ID0823-DUP1	1ID1363-01
		1ID0823-BLK1	
		1ID1421-17	LW-75
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
TIMBERLINE	1ID0840	1ID0840-BLK1	
		1ID0840-BS1	
		1ID0840-MS1	4ID0134-02
		1ID0840-MSD1	4ID0134-02
		1ID1421-17	LW-75
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
SM 5210 B-2016	1ID0853	1ID1421-17	LW-75
		1ID0853-BLK1	
		1ID0853-SRM1	
		1ID0853-DUP1	1ID1363-01
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
SM 2320 B-2011	1ID0864	1ID1421-17	LW-75
		1ID1421-11	MW-94
		1ID0864-BS1	
		1ID1421-04	MW-49
		1ID0864-BLK1	
		1ID0864-MS1	1ID1421-05
		1ID0864-MSD1	1ID1421-05
		1ID1421-06	MW-81
		1ID1421-05	MW-54
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
EPA 9040C	1ID0865	1ID0865-SRM1	
		1ID0865-SRM2	
		1ID0865-DUP1	1ID1421-04
		1ID1421-11	MW-94
		1ID1421-04	MW-49
		1ID1421-05	MW-54
		1ID1421-06	MW-81
		1ID1421-17	LW-75
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
EPA 8260D	1ID0990	1ID0990-BS1	

EPA 8260D	1ID0990	1ID0990-BSD1	
		1ID0990-BLK1	
		1ID1421-01	MW-85 (B)
		1ID1421-02	MW-98 (B)
		1ID1421-03	MW-99 (B)
		1ID1421-04	MW-49
		1ID1421-05	MW-54
		1ID1421-06	MW-81
		1ID1421-07	MW-87
		1ID1421-08	MW-89
		1ID1421-09	MW-91
		1ID1421-10	MW-93
		1ID1421-11	MW-94
		1ID1421-12	MW-95
		1ID1421-13	MW-96R
		1ID1421-14	MW-97
		1ID1421-15	SRAMP B Tile
		1ID1421-17	LW-75
		1ID0990-MS1	1ID1421-01
		1ID0990-MSD1	1ID1421-01

Method	Batch	Laboratory ID	Client / Source ID
USGS I-1750-85	1ID1046	1ID1046-DUP1	1ID1568-01
		1ID1046-BS1	
		1ID1046-BLK1	
		1ID1421-17	LW-75

Method	Batch	Laboratory ID	Client / Source ID
EPA 410.4, Rv. 2 (1993)	1ID1052	1ID1052-BLK1	
		1ID1052-BS1	
		1ID1052-MSD1	1ID1524-01
		1ID1052-MS1	1ID1524-01
		1ID1421-17	LW-75

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID1221	1ID1221-BS1	
		1ID1221-BLK1	
		1ID1421-17RE1	LW-75
		1ID1221-MS1	1ID1698-05
		1ID1221-MSD1	1ID1698-05

Method	Batch	Laboratory ID	Client / Source ID
EPA 9056A	1ID1465	1ID1465-BLK1	
		1ID1465-MRL1	

EPA 9056A	1ID1465	1ID1465-BS1	
		1ID1465-BSD1	
		1ID1465-MS1	1ID2144-02
		1ID1465-MSD1	1ID2144-02
		1ID1465-BLK2	
		1ID1465-MS2	1ID1568-01
		1ID1465-MSD2	1ID1568-01
		1ID1421-17	LW-75
		1ID1465-BLK3	
		1ID1465-BS2	
		1ID1465-BSD2	

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IF0076	1IF0076-BLK1	
		1IF0076-BS1	
		1ID1421-01	MW-85 (B)
		1IF0076-MS1	1ID1421-01
		1IF0076-MSD1	1ID1421-01
		1IF0076-PS1	1ID1421-01
		1ID1421-02	MW-98 (B)
		1ID1421-03	MW-99 (B)
		1ID1421-04	MW-49
		1ID1421-05	MW-54
		1ID1421-06	MW-81
		1ID1421-07	MW-87
		1ID1421-08	MW-89
		1ID1421-09	MW-91
		1ID1421-10	MW-93
		1ID1421-11	MW-94
		1ID1421-12	MW-95
		1ID1421-13	MW-96R
		1ID1421-14	MW-97
		1ID1421-15	SRAMP B Tile
		1ID1421-16	Duplicate
		1ID1421-17	LW-75

Method	Batch	Laboratory ID	Client / Source ID
EPA RSK-175	B5D0943	B5D0943-BLK1	
		B5D0943-BS1	
		B5D0943-BSD1	
		1ID1421-04	MW-49
		1ID1421-05	MW-54
		1ID1421-06	MW-81

Method	Batch	Laboratory ID	Client / Source ID
EPA RSK-175	B5D0943	1ID1421-17	LW-75
EPA RSK-175	B5D1124	B5D1124-BLK1	
		B5D1124-BS1	
		B5D1124-BSD1	
		B5D1124-BS2	
		B5D1124-BS3	
		1ID1421-05RE1	MW-54
		1ID1421-04RE1	MW-49
		1ID1421-06RE1	MW-81
		1ID1421-17RE1	LW-75

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 1ID0990 - EPA 5030B - EPA 8260D										
Blank (1ID0990-BLK1)		Prepared: 04/17/25 00:00 Analyzed: 04/17/25 14:39								
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							

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0990 - EPA 5030B - EPA 8260D										
Blank (1ID0990-BLK1)			Prepared: 04/17/25 00:00 Analyzed: 04/17/25 14:39							
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	*38.2*		ug/L	*50.2*		*76.1*	*57-134*			
Surrogate: Dibromofluoromethane	*38.2*		ug/L	*50.2*		*76.1*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*34.8*		ug/L	*50.1*		*69.4*	*53-140*			
Surrogate: 1,2-Dichloroethane-d4	*34.8*		ug/L	*50.1*		*69.4*	*61-142*			
Surrogate: Toluene-d8	*53.1*		ug/L	*50.4*		*105*	*86-114*			
Surrogate: Toluene-d8	*53.1*		ug/L	*50.4*		*105*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*44.2*		ug/L	*50.1*		*88.2*	*78-121*			
Surrogate: 4-Bromofluorobenzene	*44.2*		ug/L	*50.1*		*88.2*	*80-116*			
LCS (1ID0990-BS1)			Prepared: 04/17/25 00:00 Analyzed: 04/17/25 13:32							
Chloromethane	33.56	1.0	ug/L	30.3		111	63-155			
Vinyl Chloride	33.70	1.0	ug/L	30.2		111	70-154			
Bromomethane	33.12	1.0	ug/L	30.1		110	52-176			
Chloroethane	33.62	1.0	ug/L	30.3		111	72-148			
Trichlorofluoromethane	35.02	1.0	ug/L	30.3		116	70-152			
1,1-Dichloroethylene	63.75	1.0	ug/L	50.1		127	70-148			
Acetone	135.3	10.0	ug/L	100		135	43-172			
Methyl Iodide	110.6	1.0	ug/L	100		111	69-170			
Carbon Disulfide	114.8	1.0	ug/L	100		115	72-162			
Methylene Chloride	53.68	5.0	ug/L	50.1		107	68-142			
Acrylonitrile	60.78	5.0	ug/L	50.2		121	56-135			
trans-1,2-Dichloroethylene	61.27	1.0	ug/L	50.1		122	66-148			
1,1-Dichloroethane	59.73	1.0	ug/L	50.1		119	66-143			
Vinyl Acetate	175.8	5.0	ug/L	140		126	43-153			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0990 - EPA 5030B - EPA 8260D										
LCS (1ID0990-BS1)			Prepared: 04/17/25 00:00 Analyzed: 04/17/25 13:32							
cis-1,2-Dichloroethylene	57.54	1.0	ug/L	50.4		114	71-149			
2-Butanone (MEK)	116.9	10.0	ug/L	100		117	52-159			
Bromochloromethane	57.81	1.0	ug/L	50.4		115	69-143			
Chloroform	58.58	1.0	ug/L	50.1		117	69-144			
1,1,1-Trichloroethane	61.22	1.0	ug/L	50.1		122	62-129			
Carbon Tetrachloride	60.66	1.0	ug/L	50.1		121	63-141			
Benzene	56.40	1.0	ug/L	50.4		112	71-134			
1,2-Dichloroethane	58.46	1.0	ug/L	50.1		117	72-132			
Trichloroethylene	58.92	1.0	ug/L	50.1		118	71-135			
1,2-Dichloropropane	56.71	1.0	ug/L	50.1		113	69-136			
Dibromomethane	58.07	1.0	ug/L	50.4		115	73-147			
Bromodichloromethane	60.28	1.0	ug/L	50.1		120	68-129			
cis-1,3-Dichloropropene	57.20	1.0	ug/L	50.1		114	65-134			
4-Methyl-2-pentanone (MIBK)	129.6	5.0	ug/L	100		130	58-147			
Toluene	62.43	1.0	ug/L	50.5		124	72-133			
trans-1,3-Dichloropropene	58.31	1.0	ug/L	50.1		116	67-130			
1,1,2-Trichloroethane	55.35	1.0	ug/L	50.1		111	69-135			
Tetrachloroethylene	56.02	1.0	ug/L	50.1		112	69-130			
2-Hexanone (MBK)	132.8	5.0	ug/L	100		133	55-144			
Dibromochloromethane	56.69	1.0	ug/L	50.1		113	73-127			
1,2-Dibromoethane	57.43	1.0	ug/L	50.2		114	67-132			
Chlorobenzene	54.52	1.0	ug/L	50.1		109	72-123			
1,1,1,2-Tetrachloroethane	53.86	1.0	ug/L	50.3		107	73-127			
Ethylbenzene	59.40	1.0	ug/L	50.2		118	71-127			
Xylenes, total	176.0	2.0	ug/L	151		116	74-127			
Styrene	60.59	1.0	ug/L	50.4		120	66-126			
Bromoform	58.34	1.0	ug/L	50.1		116	68-130			
1,2,3-Trichloropropane	49.58	1.0	ug/L	50.3		98.5	63-136			
trans-1,4-Dichloro-2-butene	117.5	5.0	ug/L	100		117	54-134			
1,1,2,2-Tetrachloroethane	55.47	1.0	ug/L	50.1		111	61-131			
1,4-Dichlorobenzene	50.63	1.0	ug/L	50.1		101	70-129			
1,2-Dichlorobenzene	50.53	1.0	ug/L	50.1		101	69-126			
1,2-Dibromo-3-chloropropane	56.72	5.0	ug/L	50.1		113	50-143			
Surrogate: Dibromofluoromethane	*50.6*		ug/L	*50.2*		*101*	*57-134*			
Surrogate: Dibromofluoromethane	*50.6*		ug/L	*50.2*		*101*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*49.5*		ug/L	*50.1*		*98.8*	*53-140*			
Surrogate: 1,2-Dichloroethane-d4	*49.5*		ug/L	*50.1*		*98.8*	*61-142*			
Surrogate: Toluene-d8	*51.6*		ug/L	*50.4*		*102*	*86-114*			
Surrogate: Toluene-d8	*51.6*		ug/L	*50.4*		*102*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*50.2*		ug/L	*50.1*		*100*	*78-121*			
Surrogate: 4-Bromofluorobenzene	*50.2*		ug/L	*50.1*		*100*	*80-116*			
LCS Dup (1ID0990-BSD1)			Prepared: 04/17/25 00:00 Analyzed: 04/17/25 13:54							
Chloromethane	30.84	1.0	ug/L	30.3		102	63-155	8.45	24	

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0990 - EPA 5030B - EPA 8260D										
LCS Dup (1ID0990-BSD1)	Prepared: 04/17/25 00:00 Analyzed: 04/17/25 13:54									
Vinyl Chloride	30.17	1.0	ug/L	30.2		99.7	70-154	11.1	25	
Bromomethane	29.62	1.0	ug/L	30.1		98.3	52-176	11.2	27	
Chloroethane	30.73	1.0	ug/L	30.3		101	72-148	8.98	25	
Trichlorofluoromethane	32.27	1.0	ug/L	30.3		106	70-152	8.17	26	
1,1-Dichloroethylene	60.33	1.0	ug/L	50.1		120	70-148	5.51	24	
Acetone	127.9	10.0	ug/L	100		128	43-172	5.65	30	
Methyl Iodide	100.1	1.0	ug/L	100		100	69-170	9.96	30	
Carbon Disulfide	104.7	1.0	ug/L	100		105	72-162	9.14	24	
Methylene Chloride	50.16	5.0	ug/L	50.1		100	68-142	6.78	21	
Acrylonitrile	61.23	5.0	ug/L	50.2		122	56-135	0.738	16	
trans-1,2-Dichloroethylene	57.56	1.0	ug/L	50.1		115	66-148	6.24	27	
1,1-Dichloroethane	56.55	1.0	ug/L	50.1		113	66-143	5.47	24	
Vinyl Acetate	167.3	5.0	ug/L	140		119	43-153	4.96	30	
cis-1,2-Dichloroethylene	55.37	1.0	ug/L	50.4		110	71-149	3.84	26	
2-Butanone (MEK)	117.2	10.0	ug/L	100		117	52-159	0.197	27	
Bromochloromethane	56.62	1.0	ug/L	50.4		112	69-143	2.08	23	
Chloroform	55.82	1.0	ug/L	50.1		111	69-144	4.83	23	
1,1,1-Trichloroethane	57.39	1.0	ug/L	50.1		115	62-129	6.46	24	
Carbon Tetrachloride	56.44	1.0	ug/L	50.1		113	63-141	7.21	25	
Benzene	50.43	1.0	ug/L	50.4		100	71-134	11.2	24	
1,2-Dichloroethane	54.77	1.0	ug/L	50.1		109	72-132	6.52	24	
Trichloroethylene	52.45	1.0	ug/L	50.1		105	71-135	11.6	24	
1,2-Dichloropropane	52.37	1.0	ug/L	50.1		105	69-136	7.96	24	
Dibromomethane	55.81	1.0	ug/L	50.4		111	73-147	3.97	25	
Bromodichloromethane	55.96	1.0	ug/L	50.1		112	68-129	7.43	22	
cis-1,3-Dichloropropene	53.00	1.0	ug/L	50.1		106	65-134	7.62	23	
4-Methyl-2-pentanone (MIBK)	124.2	5.0	ug/L	100		124	58-147	4.24	27	
Toluene	54.56	1.0	ug/L	50.5		108	72-133	13.5	24	
trans-1,3-Dichloropropene	54.59	1.0	ug/L	50.1		109	67-130	6.59	24	
1,1,2-Trichloroethane	50.97	1.0	ug/L	50.1		102	69-135	8.24	23	
Tetrachloroethylene	50.32	1.0	ug/L	50.1		100	69-130	10.7	25	
2-Hexanone (MBK)	124.3	5.0	ug/L	100		124	55-144	6.65	25	
Dibromochloromethane	53.57	1.0	ug/L	50.1		107	73-127	5.66	22	
1,2-Dibromoethane	52.79	1.0	ug/L	50.2		105	67-132	8.42	24	
Chlorobenzene	49.08	1.0	ug/L	50.1		98.0	72-123	10.5	23	
1,1,1,2-Tetrachloroethane	48.45	1.0	ug/L	50.3		96.2	73-127	10.6	24	
Ethylbenzene	53.04	1.0	ug/L	50.2		106	71-127	11.3	26	
Xylenes, total	159.1	2.0	ug/L	151		105	74-127	10.1	25	
Styrene	55.54	1.0	ug/L	50.4		110	66-126	8.70	23	
Bromoform	54.69	1.0	ug/L	50.1		109	68-130	6.46	23	
1,2,3-Trichloropropane	47.09	1.0	ug/L	50.3		93.5	63-136	5.15	24	
trans-1,4-Dichloro-2-butene	107.0	5.0	ug/L	100		107	54-134	9.33	27	
1,1,2,2-Tetrachloroethane	49.61	1.0	ug/L	50.1		99.0	61-131	11.2	29	

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0990 - EPA 5030B - EPA 8260D										
LCS Dup (1ID0990-BSD1)			Prepared: 04/17/25 00:00 Analyzed: 04/17/25 13:54							
1,4-Dichlorobenzene	45.85	1.0	ug/L	50.1		91.5	70-129	9.91	24	
1,2-Dichlorobenzene	45.52	1.0	ug/L	50.1		90.9	69-126	10.4	26	
1,2-Dibromo-3-chloropropane	55.56	5.0	ug/L	50.1		111	50-143	2.07	30	
Surrogate: Dibromofluoromethane	*51.8*		ug/L	*50.2*		*103*	*57-134*			
Surrogate: Dibromofluoromethane	*51.8*		ug/L	*50.2*		*103*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*51.3*		ug/L	*50.1*		*102*	*53-140*			
Surrogate: 1,2-Dichloroethane-d4	*51.3*		ug/L	*50.1*		*102*	*61-142*			
Surrogate: Toluene-d8	*50.3*		ug/L	*50.4*		*99.9*	*86-114*			
Surrogate: Toluene-d8	*50.3*		ug/L	*50.4*		*99.9*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*50.4*		ug/L	*50.1*		*100*	*78-121*			
Surrogate: 4-Bromofluorobenzene	*50.4*		ug/L	*50.1*		*100*	*80-116*			
Matrix Spike (1ID0990-MS1)		**Source: 1ID1421-01**	Prepared: 04/17/25 00:00 Analyzed: 04/17/25 22:45							
Chloromethane	309.2	10.0	ug/L	303	ND	102	61-152			
Vinyl Chloride	314.6	10.0	ug/L	302	ND	104	66-149			
Bromomethane	294.6	10.0	ug/L	301	ND	97.8	43-171			
Chloroethane	319.2	10.0	ug/L	303	ND	105	69-148			
Trichlorofluoromethane	338.6	10.0	ug/L	303	ND	112	62-163			
1,1-Dichloroethylene	621.8	10.0	ug/L	501	ND	124	70-148			
Acetone	1280	100	ug/L	1000	ND	128	45-173			
Methyl Iodide	1026	10.0	ug/L	1000	ND	103	62-167			
Carbon Disulfide	1075	10.0	ug/L	1000	ND	107	71-163			
Methylene Chloride	498.3	50.0	ug/L	501	ND	99.5	69-140			
Acrylonitrile	597.0	50.0	ug/L	502	ND	119	38-147			
trans-1,2-Dichloroethylene	584.6	10.0	ug/L	501	ND	117	69-144			
1,1-Dichloroethane	575.0	10.0	ug/L	501	ND	115	70-138			
Vinyl Acetate	1694	50.0	ug/L	1400	ND	121	58-142			
cis-1,2-Dichloroethylene	558.6	10.0	ug/L	504	ND	111	68-151			
2-Butanone (MEK)	1056	100	ug/L	1000	ND	106	50-160			
Bromochloromethane	568.9	10.0	ug/L	504	ND	113	65-143			
Chloroform	561.5	10.0	ug/L	501	ND	112	71-143			
1,1,1-Trichloroethane	590.5	10.0	ug/L	501	ND	118	63-133			
Carbon Tetrachloride	586.0	10.0	ug/L	501	ND	117	63-142			
Benzene	528.3	10.0	ug/L	504	ND	105	69-133			
1,2-Dichloroethane	562.8	10.0	ug/L	501	ND	112	63-138			
Trichloroethylene	546.6	10.0	ug/L	501	ND	109	71-133			
1,2-Dichloropropane	546.2	10.0	ug/L	501	ND	109	69-132			
Dibromomethane	557.9	10.0	ug/L	504	ND	111	70-147			
Bromodichloromethane	583.9	10.0	ug/L	501	ND	117	67-130			
cis-1,3-Dichloropropene	516.7	10.0	ug/L	501	ND	103	61-126			
4-Methyl-2-pentanone (MIBK)	1144	50.0	ug/L	1000	ND	114	55-147			
Toluene	571.5	10.0	ug/L	505	ND	113	71-133			
trans-1,3-Dichloropropene	516.5	10.0	ug/L	501	ND	103	63-124			
1,1,2-Trichloroethane	521.3	10.0	ug/L	501	ND	104	69-133			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0990 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID0990-MS1)	**Source: 1ID1421-01**	Prepared: 04/17/25 00:00 Analyzed: 04/17/25 22:45								
Tetrachloroethylene	521.0	10.0	ug/L	501	ND	104	70-124			
2-Hexanone (MBK)	1148	50.0	ug/L	1000	ND	115	53-141			
Dibromochloromethane	535.0	10.0	ug/L	501	ND	107	74-122			
1,2-Dibromoethane	525.0	10.0	ug/L	502	ND	105	66-127			
Chlorobenzene	504.2	10.0	ug/L	501	ND	101	76-116			
1,1,1,2-Tetrachloroethane	505.3	10.0	ug/L	503	ND	100	77-121			
Ethylbenzene	546.1	10.0	ug/L	502	ND	109	73-124			
Xylenes, total	1625	20.0	ug/L	1510	ND	108	75-123			
Styrene	557.8	10.0	ug/L	504	ND	111	70-120			
Bromoform	500.9	10.0	ug/L	501	ND	100	70-124			
1,2,3-Trichloropropane	494.2	10.0	ug/L	503	ND	98.2	62-135			
trans-1,4-Dichloro-2-butene	1023	50.0	ug/L	1000	ND	102	50-120			
1,1,2,2-Tetrachloroethane	492.4	10.0	ug/L	501	ND	98.3	63-126			
1,4-Dichlorobenzene	464.9	10.0	ug/L	501	ND	92.7	72-119			
1,2-Dichlorobenzene	452.4	10.0	ug/L	501	ND	90.3	71-117			
1,2-Dibromo-3-chloropropane	494.6	50.0	ug/L	501	ND	98.7	49-134			
Surrogate: Dibromofluoromethane	*520*		ug/L	*502*		*104*	*57-134*			
Surrogate: Dibromofluoromethane	*520*		ug/L	*502*		*104*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*511*		ug/L	*501*		*102*	*53-140*			
Surrogate: 1,2-Dichloroethane-d4	*511*		ug/L	*501*		*102*	*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	*518*		ug/L	*501*		*103*	*78-121*			
Surrogate: 4-Bromofluorobenzene	*518*		ug/L	*501*		*103*	*80-116*			
Matrix Spike Dup (1ID0990-MSD1)	**Source: 1ID1421-01**	Prepared: 04/17/25 00:00 Analyzed: 04/17/25 23:08								
Chloromethane	272.2	10.0	ug/L	303	ND	89.8	61-152	12.7	26	
Vinyl Chloride	276.3	10.0	ug/L	302	ND	91.3	66-149	13.0	23	
Bromomethane	261.2	10.0	ug/L	301	ND	86.7	43-171	12.0	29	
Chloroethane	273.0	10.0	ug/L	303	ND	90.0	69-148	15.6	25	
Trichlorofluoromethane	300.6	10.0	ug/L	303	ND	99.2	62-163	11.9	25	
1,1-Dichloroethylene	556.9	10.0	ug/L	501	ND	111	70-148	11.0	22	
Acetone	1300	100	ug/L	1000	ND	130	45-173	1.57	30	
Methyl Iodide	917.2	10.0	ug/L	1000	ND	91.7	62-167	11.1	24	
Carbon Disulfide	941.7	10.0	ug/L	1000	ND	94.2	71-163	13.2	22	
Methylene Chloride	459.6	50.0	ug/L	501	ND	91.7	69-140	8.08	19	
Acrylonitrile	550.5	50.0	ug/L	502	ND	110	38-147	8.10	30	
trans-1,2-Dichloroethylene	538.3	10.0	ug/L	501	ND	107	69-144	8.25	22	
1,1-Dichloroethane	531.2	10.0	ug/L	501	ND	106	70-138	7.92	20	
Vinyl Acetate	1653	50.0	ug/L	1400	ND	118	58-142	2.41	24	
cis-1,2-Dichloroethylene	515.5	10.0	ug/L	504	ND	102	68-151	8.03	22	
2-Butanone (MEK)	1083	100	ug/L	1000	ND	108	50-160	2.59	23	
Bromochloromethane	532.4	10.0	ug/L	504	ND	106	65-143	6.63	22	
Chloroform	525.3	10.0	ug/L	501	ND	105	71-143	6.66	21	

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0990 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1ID0990-MSD1)	**Source: 1ID1421-01**	Prepared: 04/17/25 00:00 Analyzed: 04/17/25 23:08								
1,1,1-Trichloroethane	535.6	10.0	ug/L	501	ND	107	63-133	9.75	23	
Carbon Tetrachloride	525.1	10.0	ug/L	501	ND	105	63-142	11.0	22	
Benzene	468.6	10.0	ug/L	504	ND	92.9	69-133	12.0	18	
1,2-Dichloroethane	534.9	10.0	ug/L	501	ND	107	63-138	5.08	20	
Trichloroethylene	484.8	10.0	ug/L	501	ND	96.8	71-133	12.0	23	
1,2-Dichloropropane	500.0	10.0	ug/L	501	ND	99.8	69-132	8.83	20	
Dibromomethane	548.0	10.0	ug/L	504	ND	109	70-147	1.79	22	
Bromodichloromethane	535.3	10.0	ug/L	501	ND	107	67-130	8.68	21	
cis-1,3-Dichloropropene	495.3	10.0	ug/L	501	ND	98.9	61-126	4.23	21	
4-Methyl-2-pentanone (MIBK)	1141	50.0	ug/L	1000	ND	114	55-147	0.306	23	
Toluene	508.7	10.0	ug/L	505	ND	101	71-133	11.6	19	
trans-1,3-Dichloropropene	493.9	10.0	ug/L	501	ND	98.6	63-124	4.47	21	
1,1,2-Trichloroethane	496.2	10.0	ug/L	501	ND	99.1	69-133	4.93	19	
Tetrachloroethylene	454.4	10.0	ug/L	501	ND	90.7	70-124	13.7	24	
2-Hexanone (MBK)	1130	50.0	ug/L	1000	ND	113	53-141	1.62	24	
Dibromochloromethane	516.1	10.0	ug/L	501	ND	103	74-122	3.60	21	
1,2-Dibromoethane	503.3	10.0	ug/L	502	ND	100	66-127	4.22	23	
Chlorobenzene	453.6	10.0	ug/L	501	ND	90.6	76-116	10.6	21	
1,1,1,2-Tetrachloroethane	458.8	10.0	ug/L	503	ND	91.1	77-121	9.65	25	
Ethylbenzene	483.8	10.0	ug/L	502	ND	96.4	73-124	12.1	20	
Xylenes, total	1442	20.0	ug/L	1510	ND	95.4	75-123	12.0	20	
Styrene	501.8	10.0	ug/L	504	ND	99.6	70-120	10.6	23	
Bromoform	515.5	10.0	ug/L	501	ND	103	70-124	2.87	22	
1,2,3-Trichloropropane	448.5	10.0	ug/L	503	ND	89.1	62-135	9.70	28	
trans-1,4-Dichloro-2-butene	981.7	50.0	ug/L	1000	ND	98.2	50-120	4.10	26	
1,1,2,2-Tetrachloroethane	491.4	10.0	ug/L	501	ND	98.1	63-126	0.203	24	
1,4-Dichlorobenzene	445.0	10.0	ug/L	501	ND	88.8	72-119	4.37	24	
1,2-Dichlorobenzene	445.6	10.0	ug/L	501	ND	89.0	71-117	1.51	24	
1,2-Dibromo-3-chloropropane	465.6	50.0	ug/L	501	ND	92.9	49-134	6.04	28	
Surrogate: Dibromofluoromethane	*526*		ug/L	*502*		*105*	*57-134*			
Surrogate: Dibromofluoromethane	*526*		ug/L	*502*		*105*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*522*		ug/L	*501*		*104*	*53-140*			
Surrogate: 1,2-Dichloroethane-d4	*522*		ug/L	*501*		*104*	*61-142*			
Surrogate: Toluene-d8	*502*		ug/L	*504*		*99.7*	*86-114*			
Surrogate: Toluene-d8	*502*		ug/L	*504*		*99.7*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*500*		ug/L	*501*		*99.7*	*78-121*			
Surrogate: 4-Bromofluorobenzene	*500*		ug/L	*501*		*99.7*	*80-116*			
Batch 1ID1221 - EPA 5030B - EPA 8260D										
Blank (1ID1221-BLK1)		Prepared: 04/22/25 00:00 Analyzed: 04/22/25 14:54								
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1221 - EPA 5030B - EPA 8260D										
Blank (1ID1221-BLK1)				Prepared: 04/22/25 00:00 Analyzed: 04/22/25 14:54						
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1221 - EPA 5030B - EPA 8260D										
Blank (1ID1221-BLK1)			Prepared: 04/22/25 00:00 Analyzed: 04/22/25 14:54							
Surrogate: Dibromofluoromethane	*51.9*		ug/L	*50.2*		*103*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*43.0*		ug/L	*50.1*		*86.0*	*61-142*			
Surrogate: Toluene-d8	*49.0*		ug/L	*50.4*		*97.4*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*46.1*		ug/L	*50.1*		*91.9*	*80-116*			
LCS (1ID1221-BS1)			Prepared: 04/22/25 00:00 Analyzed: 04/22/25 14:10							
Chloromethane	33.12	1.0	ug/L	30.3		109	63-155			
Vinyl Chloride	35.43	1.0	ug/L	30.2		117	70-154			
Bromomethane	34.60	1.0	ug/L	30.1		115	52-176			
Chloroethane	34.59	1.0	ug/L	30.3		114	72-148			
Trichlorofluoromethane	37.53	1.0	ug/L	30.3		124	70-152			
1,1-Dichloroethylene	65.17	1.0	ug/L	50.1		130	70-148			
Acetone	107.8	10.0	ug/L	100		108	43-172			
Methyl Iodide	138.0	1.0	ug/L	100		138	69-170			
Carbon Disulfide	119.5	1.0	ug/L	100		119	72-162			
Methylene Chloride	59.54	5.0	ug/L	50.1		119	68-142			
trans-1,2-Dichloroethylene	64.69	1.0	ug/L	50.1		129	66-148			
1,1-Dichloroethane	62.62	1.0	ug/L	50.1		125	66-143			
Vinyl Acetate	178.7	5.0	ug/L	140		128	43-153			
cis-1,2-Dichloroethylene	60.00	1.0	ug/L	50.4		119	71-149			
2-Butanone (MEK)	101.0	10.0	ug/L	100		101	52-159			
Bromochloromethane	56.95	1.0	ug/L	50.4		113	69-143			
Chloroform	59.28	1.0	ug/L	50.1		118	69-144			
1,1,1-Trichloroethane	66.76	1.0	ug/L	50.1		133	62-129			Q2
Carbon Tetrachloride	66.37	1.0	ug/L	50.1		133	63-141			
Benzene	57.66	1.0	ug/L	50.4		114	71-134			
1,2-Dichloroethane	55.85	1.0	ug/L	50.1		112	72-132			
Trichloroethylene	61.42	1.0	ug/L	50.1		123	71-135			
1,2-Dichloropropane	58.63	1.0	ug/L	50.1		117	69-136			
Dibromomethane	51.63	1.0	ug/L	50.4		103	73-147			
Bromodichloromethane	61.54	1.0	ug/L	50.1		123	68-129			
cis-1,3-Dichloropropene	48.99	1.0	ug/L	50.1		97.8	65-134			
4-Methyl-2-pentanone (MIBK)	87.57	5.0	ug/L	100		87.6	58-147			
Toluene	59.55	1.0	ug/L	50.5		118	72-133			
trans-1,3-Dichloropropene	48.67	1.0	ug/L	50.1		97.2	67-130			
1,1,2-Trichloroethane	52.89	1.0	ug/L	50.1		106	69-135			
Tetrachloroethylene	54.26	1.0	ug/L	50.1		108	69-130			
2-Hexanone (MBK)	61.61	5.0	ug/L	100		61.6	55-144			
Dibromochloromethane	51.25	1.0	ug/L	50.1		102	73-127			
1,2-Dibromoethane	45.02	1.0	ug/L	50.2		89.6	67-132			
Chlorobenzene	50.74	1.0	ug/L	50.1		101	72-123			
1,1,1,2-Tetrachloroethane	50.85	1.0	ug/L	50.3		101	73-127			
Ethylbenzene	53.11	1.0	ug/L	50.2		106	71-127			
Xylenes, total	161.6	2.0	ug/L	151		107	74-127			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1221 - EPA 5030B - EPA 8260D										
LCS (1ID1221-BS1)				Prepared: 04/22/25 00:00 Analyzed: 04/22/25 14:10						
Styrene	49.04	1.0	ug/L	50.4		97.4	66-126			
Bromoform	49.37	1.0	ug/L	50.1		98.5	68-130			
1,2,3-Trichloropropane	46.40	1.0	ug/L	50.3		92.2	63-136			
trans-1,4-Dichloro-2-butene	78.99	5.0	ug/L	100		79.0	54-134			
1,1,2,2-Tetrachloroethane	40.07	1.0	ug/L	50.1		80.0	61-131			
1,4-Dichlorobenzene	44.88	1.0	ug/L	50.1		89.5	70-129			
1,2-Dichlorobenzene	46.76	1.0	ug/L	50.1		93.3	69-126			
1,2-Dibromo-3-chloropropane	33.29	5.0	ug/L	50.1		66.4	50-143			
Surrogate: Dibromofluoromethane	*54.6*		ug/L	*50.2*		*109*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*48.6*		ug/L	*50.1*		*96.9*	*61-142*			
Surrogate: Toluene-d8	*53.6*		ug/L	*50.4*		*106*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*53.5*		ug/L	*50.1*		*107*	*80-116*			
Matrix Spike (1ID1221-MS1)	**Source: 1ID1698-05**			Prepared: 04/22/25 00:00 Analyzed: 04/23/25 00:06						
Chloromethane	236.7	10.0	ug/L	303	ND	78.1	61-152			
Vinyl Chloride	257.8	10.0	ug/L	302	ND	85.2	66-149			
Bromomethane	258.4	10.0	ug/L	301	ND	85.8	43-171			
Chloroethane	268.5	10.0	ug/L	303	ND	88.6	69-148			
Trichlorofluoromethane	299.9	10.0	ug/L	303	ND	99.0	62-163			
1,1-Dichloroethylene	522.3	10.0	ug/L	501	ND	104	70-148			
Acetone	1081	100	ug/L	1000	ND	108	45-173			
Methyl Iodide	1093	10.0	ug/L	1000	ND	109	62-167			
Carbon Disulfide	913.3	10.0	ug/L	1000	ND	91.3	71-163			
Methylene Chloride	516.5	50.0	ug/L	501	ND	103	69-140			
trans-1,2-Dichloroethylene	537.6	10.0	ug/L	501	ND	107	69-144			
1,1-Dichloroethane	545.2	10.0	ug/L	501	ND	109	70-138			
Vinyl Acetate	1650	50.0	ug/L	1400	ND	118	58-142			
cis-1,2-Dichloroethylene	526.7	10.0	ug/L	504	ND	105	68-151			
2-Butanone (MEK)	927.5	100	ug/L	1000	ND	92.8	50-160			
Bromochloromethane	513.3	10.0	ug/L	504	ND	102	65-143			
Chloroform	536.3	10.0	ug/L	501	ND	107	71-143			
1,1,1-Trichloroethane	582.6	10.0	ug/L	501	ND	116	63-133			
Carbon Tetrachloride	587.2	10.0	ug/L	501	ND	117	63-142			
Benzene	518.7	10.0	ug/L	504	ND	103	69-133			
1,2-Dichloroethane	542.6	10.0	ug/L	501	ND	108	63-138			
Trichloroethylene	555.5	10.0	ug/L	501	ND	111	71-133			
1,2-Dichloropropane	539.4	10.0	ug/L	501	ND	108	69-132			
Dibromomethane	515.0	10.0	ug/L	504	ND	102	70-147			
Bromodichloromethane	601.1	10.0	ug/L	501	ND	120	67-130			
cis-1,3-Dichloropropene	456.5	10.0	ug/L	501	ND	91.1	61-126			
4-Methyl-2-pentanone (MIBK)	902.9	50.0	ug/L	1000	ND	90.3	55-147			
Toluene	541.3	10.0	ug/L	505	ND	107	71-133			
trans-1,3-Dichloropropene	455.9	10.0	ug/L	501	ND	91.0	63-124			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1221 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID1221-MS1)	**Source: 1ID1698-05**	Prepared: 04/22/25 00:00 Analyzed: 04/23/25 00:06								
1,1,2-Trichloroethane	528.0	10.0	ug/L	501	ND	105	69-133			
Tetrachloroethylene	496.9	10.0	ug/L	501	ND	99.2	70-124			
2-Hexanone (MBK)	652.8	50.0	ug/L	1000	ND	65.3	53-141			
Dibromochloromethane	507.7	10.0	ug/L	501	ND	101	74-122			
1,2-Dibromoethane	443.0	10.0	ug/L	502	ND	88.2	66-127			
Chlorobenzene	466.1	10.0	ug/L	501	ND	93.1	76-116			
1,1,1,2-Tetrachloroethane	482.4	10.0	ug/L	503	ND	95.8	77-121			
Ethylbenzene	481.5	10.0	ug/L	502	ND	96.0	73-124			
Xylenes, total	1483	20.0	ug/L	1510	ND	98.2	75-123			
Styrene	453.7	10.0	ug/L	504	ND	90.1	70-120			
Bromoform	505.3	10.0	ug/L	501	ND	101	70-124			
1,2,3-Trichloropropane	492.4	10.0	ug/L	503	ND	97.8	62-135			
trans-1,4-Dichloro-2-butene	797.8	50.0	ug/L	1000	ND	79.8	50-120			
1,1,2,2-Tetrachloroethane	385.6	10.0	ug/L	501	ND	77.0	63-126			
1,4-Dichlorobenzene	412.0	10.0	ug/L	501	ND	82.2	72-119			
1,2-Dichlorobenzene	450.5	10.0	ug/L	501	ND	89.9	71-117			
1,2-Dibromo-3-chloropropane	343.0	50.0	ug/L	501	ND	68.4	49-134			
Surrogate: Dibromofluoromethane	*538*		ug/L	*502*		*107*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*518*		ug/L	*501*		*103*	*61-142*			
Surrogate: Toluene-d8	*532*		ug/L	*504*		*106*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*538*		ug/L	*501*		*107*	*80-116*			
Matrix Spike Dup (1ID1221-MSD1)	**Source: 1ID1698-05**	Prepared: 04/22/25 00:00 Analyzed: 04/23/25 00:28								
Chloromethane	228.9	10.0	ug/L	303	ND	75.5	61-152	3.35	26	
Vinyl Chloride	258.2	10.0	ug/L	302	ND	85.4	66-149	0.155	23	
Bromomethane	258.2	10.0	ug/L	301	ND	85.7	43-171	0.0774	29	
Chloroethane	260.2	10.0	ug/L	303	ND	85.8	69-148	3.14	25	
Trichlorofluoromethane	293.6	10.0	ug/L	303	ND	96.9	62-163	2.12	25	
1,1-Dichloroethylene	513.8	10.0	ug/L	501	ND	103	70-148	1.64	22	
Acetone	939.6	100	ug/L	1000	ND	94.0	45-173	14.0	30	
Methyl Iodide	1083	10.0	ug/L	1000	ND	108	62-167	0.882	24	
Carbon Disulfide	892.5	10.0	ug/L	1000	ND	89.2	71-163	2.30	22	
Methylene Chloride	522.0	50.0	ug/L	501	ND	104	69-140	1.06	19	
trans-1,2-Dichloroethylene	531.9	10.0	ug/L	501	ND	106	69-144	1.07	22	
1,1-Dichloroethane	532.9	10.0	ug/L	501	ND	106	70-138	2.28	20	
Vinyl Acetate	1704	50.0	ug/L	1400	ND	122	58-142	3.21	24	
cis-1,2-Dichloroethylene	515.2	10.0	ug/L	504	ND	102	68-151	2.21	22	
2-Butanone (MEK)	949.2	100	ug/L	1000	ND	94.9	50-160	2.31	23	
Bromochloromethane	518.3	10.0	ug/L	504	ND	103	65-143	0.969	22	
Chloroform	536.4	10.0	ug/L	501	ND	107	71-143	0.0187	21	
1,1,1-Trichloroethane	581.7	10.0	ug/L	501	ND	116	63-133	0.155	23	
Carbon Tetrachloride	581.2	10.0	ug/L	501	ND	116	63-142	1.03	22	
Benzene	510.7	10.0	ug/L	504	ND	101	69-133	1.55	18	

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1221 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1ID1221-MSD1)	**Source: 1ID1698-05**	Prepared: 04/22/25 00:00 Analyzed: 04/23/25 00:28								
1,2-Dichloroethane	536.0	10.0	ug/L	501	ND	107	63-138	1.22	20	
Trichloroethylene	535.2	10.0	ug/L	501	ND	107	71-133	3.72	23	
1,2-Dichloropropane	537.6	10.0	ug/L	501	ND	107	69-132	0.334	20	
Dibromomethane	494.8	10.0	ug/L	504	ND	98.2	70-147	4.00	22	
Bromodichloromethane	588.0	10.0	ug/L	501	ND	117	67-130	2.20	21	
cis-1,3-Dichloropropene	444.8	10.0	ug/L	501	ND	88.8	61-126	2.60	21	
4-Methyl-2-pentanone (MIBK)	907.5	50.0	ug/L	1000	ND	90.8	55-147	0.508	23	
Toluene	527.7	10.0	ug/L	505	ND	105	71-133	2.54	19	
trans-1,3-Dichloropropene	455.7	10.0	ug/L	501	ND	91.0	63-124	0.0439	21	
1,1,2-Trichloroethane	531.9	10.0	ug/L	501	ND	106	69-133	0.736	19	
Tetrachloroethylene	479.8	10.0	ug/L	501	ND	95.8	70-124	3.50	24	
2-Hexanone (MBK)	672.1	50.0	ug/L	1000	ND	67.2	53-141	2.91	24	
Dibromochloromethane	501.4	10.0	ug/L	501	ND	100	74-122	1.25	21	
1,2-Dibromoethane	441.2	10.0	ug/L	502	ND	87.8	66-127	0.407	23	
Chlorobenzene	464.7	10.0	ug/L	501	ND	92.8	76-116	0.301	21	
1,1,1,2-Tetrachloroethane	477.1	10.0	ug/L	503	ND	94.8	77-121	1.10	25	
Ethylbenzene	476.8	10.0	ug/L	502	ND	95.0	73-124	0.981	20	
Xylenes, total	1460	20.0	ug/L	1510	ND	96.7	75-123	1.54	20	
Styrene	446.2	10.0	ug/L	504	ND	88.6	70-120	1.67	23	
Bromoform	497.9	10.0	ug/L	501	ND	99.4	70-124	1.48	22	
1,2,3-Trichloropropane	476.8	10.0	ug/L	503	ND	94.7	62-135	3.22	28	
trans-1,4-Dichloro-2-butene	771.2	50.0	ug/L	1000	ND	77.1	50-120	3.39	26	
1,1,2,2-Tetrachloroethane	404.6	10.0	ug/L	501	ND	80.8	63-126	4.81	24	
1,4-Dichlorobenzene	404.9	10.0	ug/L	501	ND	80.8	72-119	1.74	24	
1,2-Dichlorobenzene	445.8	10.0	ug/L	501	ND	89.0	71-117	1.05	24	
1,2-Dibromo-3-chloropropane	344.6	50.0	ug/L	501	ND	68.7	49-134	0.465	28	
Surrogate: Dibromofluoromethane	*546*		ug/L	*502*		*109*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*502*		ug/L	*501*		*100*	*61-142*			
Surrogate: Toluene-d8	*519*		ug/L	*504*		*103*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*540*		ug/L	*501*		*108*	*80-116*			

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0823 - Wet Chem Preparation - USGS I-3765-85										
Blank (1ID0823-BLK1)		Prepared: 04/16/25 07:55 Analyzed: 04/16/25 13:32								
Total Suspended Solids (TSS)	<1	1	mg/L							
LCS (1ID0823-BS1)		Prepared: 04/16/25 07:55 Analyzed: 04/16/25 13:32								
Total Suspended Solids (TSS)	14.0	1	mg/L	15.0		93.3	73-110			
Duplicate (1ID0823-DUP1)	**Source: 1ID1363-01**	Prepared: 04/16/25 07:55 Analyzed: 04/16/25 13:32								
Total Suspended Solids (TSS)	106	20	mg/L		110			3.70	30	

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0840 - General Prep HPLC/IC - TIMBERLINE										
Blank (1ID0840-BLK1)			Prepared: 04/16/25 09:21 Analyzed: 04/16/25 11:26							
Nitrogen, Ammonia	<0.10	0.10	mg/L							
LCS (1ID0840-BS1)			Prepared: 04/16/25 09:21 Analyzed: 04/16/25 11:27							
Nitrogen, Ammonia	4.99	0.10	mg/L	5.00		99.8	90-114			
Matrix Spike (1ID0840-MS1)	**Source: 4ID0134-02**		Prepared: 04/16/25 09:21 Analyzed: 04/16/25 11:29							
Nitrogen, Ammonia	5.83	0.10	mg/L	5.00	0.468	107	84-115			
Matrix Spike Dup (1ID0840-MSD1)	**Source: 4ID0134-02**		Prepared: 04/16/25 09:21 Analyzed: 04/16/25 11:31							
Nitrogen, Ammonia	5.88	0.10	mg/L	5.00	0.468	108	84-115	0.835	20	
Batch 1ID0853 - General Prep Micro - SM 5210 B-2016										
Blank (1ID0853-BLK1)			Prepared & Analyzed: 04/16/25 11:42							
BOD (5 day)	<2	2	mg/L							AC, K1
Duplicate (1ID0853-DUP1)	**Source: 1ID1363-01**		Prepared & Analyzed: 04/16/25 12:37							
BOD (5 day)	145	24	mg/L		155			7.16	30	
Reference (1ID0853-SRM1)			Prepared & Analyzed: 04/16/25 11:49							
BOD (5 day)	158	100	mg/L	198		80.0	84.6-115.4			K2
Batch 1ID0864 - Wet Chem Preparation - SM 2320 B-2011										
Blank (1ID0864-BLK1)			Prepared & Analyzed: 04/16/25 13:40							
Alkalinity, as CaCO3	<10	10	mg/L							
LCS (1ID0864-BS1)			Prepared & Analyzed: 04/16/25 13:40							
Alkalinity, as CaCO3	51.0	10	mg/L	50.0		102	84-116			
Matrix Spike (1ID0864-MS1)	**Source: 1ID1421-05**		Prepared & Analyzed: 04/16/25 13:40							
Alkalinity, as CaCO3	870	50	mg/L	250	564	122	70-130			
Matrix Spike Dup (1ID0864-MSD1)	**Source: 1ID1421-05**		Prepared & Analyzed: 04/16/25 13:40							
Alkalinity, as CaCO3	869	50	mg/L	250	564	122	70-130	0.0575	10	
Batch 1ID0865 - Wet Chem Preparation - EPA 9040C										
Duplicate (1ID0865-DUP1)	**Source: 1ID1421-04**		Prepared & Analyzed: 04/16/25 13:42							
pH	6.54	0.5	pH		6.54			0.0917	10	
Reference (1ID0865-SRM1)			Prepared & Analyzed: 04/16/25 13:42							
pH	7.04	0.5	pH	7.00		101	98.6-101.4			
Reference (1ID0865-SRM2)			Prepared & Analyzed: 04/16/25 13:42							
pH	7.03	0.5	pH	7.00		100	98.6-101.4			
Batch 1ID1046 - Wet Chem Preparation - USGS I-1750-85										
Blank (1ID1046-BLK1)			Prepared: 04/21/25 07:28 Analyzed: 04/21/25 09:04							

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1046 - Wet Chem Preparation - USGS I-1750-85										
Blank (1ID1046-BLK1)				Prepared: 04/21/25 07:28 Analyzed: 04/21/25 09:04						
Total Dissolved Solids (TDS)	<5	5	mg/L							
LCS (1ID1046-BS1)				Prepared: 04/21/25 07:28 Analyzed: 04/21/25 09:04						
Total Dissolved Solids (TDS)	92	5	mg/L	100		91.6	83-110			
Duplicate (1ID1046-DUP1)	**Source: 1ID1568-01**			Prepared: 04/21/25 07:28 Analyzed: 04/21/25 09:04						
Total Dissolved Solids (TDS)	1910	5	mg/L		2060			7.38	20	
Batch 1ID1052 - Wet Chem Preparation - EPA 410.4, Rv. 2 (1993)										
Blank (1ID1052-BLK1)				Prepared: 04/21/25 07:51 Analyzed: 04/21/25 14:07						
COD, total	<54	54	mg/L							
LCS (1ID1052-BS1)				Prepared: 04/21/25 07:51 Analyzed: 04/21/25 14:07						
COD, total	1050	108	mg/L	1000		105	90-110			
Matrix Spike (1ID1052-MS1)	**Source: 1ID1524-01**			Prepared: 04/21/25 07:51 Analyzed: 04/21/25 14:07						
COD, total	1110	108	mg/L	1000	106	100	90-110			
Matrix Spike Dup (1ID1052-MSD1)	**Source: 1ID1524-01**			Prepared: 04/21/25 07:51 Analyzed: 04/21/25 14:07						
COD, total	1130	108	mg/L	1000	106	102	90-110	1.53	10	

Determination of Inorganic Anions	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1465 - General Prep HPLC/IC - EPA 9056A										
Blank (1ID1465-BLK1)				Prepared: 04/25/25 00:00 Analyzed: 04/25/25 12:22						
Chloride	<1.0	1.0	mg/L							
Sulfate	<1.0	1.0	mg/L							
Blank (1ID1465-BLK2)				Prepared: 04/25/25 00:00 Analyzed: 04/25/25 17:13						
Chloride	<1.0	1.0	mg/L							
Sulfate	<1.0	1.0	mg/L							
Blank (1ID1465-BLK3)				Prepared: 04/25/25 00:00 Analyzed: 04/25/25 21:45						
Chloride	<1.0	1.0	mg/L							
Sulfate	<1.0	1.0	mg/L							
LCS (1ID1465-BS1)				Prepared: 04/25/25 00:00 Analyzed: 04/25/25 12:58						
Chloride	15.36	1.0	mg/L	16.1		95.6	80-120			
Sulfate	35.17	1.0	mg/L	33.9		104	80-120			
LCS (1ID1465-BS2)				Prepared: 04/25/25 00:00 Analyzed: 04/25/25 22:39						
Chloride	15.49	1.0	mg/L	16.1		96.4	80-120			
Sulfate	34.66	1.0	mg/L	33.9		102	80-120			
LCS Dup (1ID1465-BSD1)				Prepared: 04/25/25 00:00 Analyzed: 04/25/25 13:17						
Chloride	15.45	1.0	mg/L	16.1		96.1	80-120	0.578	10	
Sulfate	34.67	1.0	mg/L	33.9		102	80-120	1.43	10	

Determination of Inorganic Anions	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1465 - General Prep HPLC/IC - EPA 9056A										
LCS Dup (1ID1465-BSD2)				Prepared: 04/25/25 00:00 Analyzed: 04/25/25 22:58						
Chloride	15.37	1.0	mg/L	16.1		95.7	80-120	0.784	10	
Sulfate	35.03	1.0	mg/L	33.9		103	80-120	1.04	10	
Matrix Spike (1ID1465-MS1)		**Source: 1ID2144-02**		Prepared: 04/25/25 00:00 Analyzed: 04/25/25 16:00						
Chloride	415.1	10.0	mg/L	161	263.5	94.4	81-116			
Sulfate	395.1	10.0	mg/L	339	41.93	104	87-113			
Matrix Spike (1ID1465-MS2)		**Source: 1ID1568-01**		Prepared: 04/25/25 00:00 Analyzed: 04/25/25 20:14						
Chloride	428.1	10.0	mg/L	161	276.2	94.6	81-116			
Sulfate	839.2	10.0	mg/L	339	498.1	100	87-113			
Matrix Spike Dup (1ID1465-MSD1)		**Source: 1ID2144-02**		Prepared: 04/25/25 00:00 Analyzed: 04/25/25 16:18						
Chloride	417.2	10.0	mg/L	161	263.5	95.6	81-116	0.495	10	
Sulfate	387.0	10.0	mg/L	339	41.93	102	87-113	2.06	10	
Matrix Spike Dup (1ID1465-MSD2)		**Source: 1ID1568-01**		Prepared: 04/25/25 00:00 Analyzed: 04/25/25 20:32						
Chloride	428.4	10.0	mg/L	161	276.2	94.8	81-116	0.0771	10	
Sulfate	851.8	10.0	mg/L	339	498.1	104	87-113	1.49	10	

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF0076 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IF0076-BLK1)				Prepared: 06/02/25 16:23 Analyzed: 06/21/25 11:09						
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							B
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 (1IF0076-BS1)				Prepared: 06/02/25 16:23 Analyzed: 06/21/25 11:17						
Antimony, total	0.109	0.0010	mg/L	0.117		93.0	80-120			
Arsenic, total	0.105	0.0020	mg/L	0.117		90.1	80-120			
Barium, total	0.123	0.0010	mg/L	0.117		106	80-120			
Beryllium, total	0.109	0.0005	mg/L	0.117		93.6	80-120			
Cadmium, total	0.108	0.0002	mg/L	0.117		92.9	80-120			
Chromium, total	0.119	0.0010	mg/L	0.117		102	80-120			

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF0076 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (1IF0076-BS1)				Prepared: 06/02/25 16:23 Analyzed: 06/21/25 11:17						
Cobalt, total	0.120	0.0005	mg/L	0.117		103	80-120			
Copper, total	0.0965	0.0050	mg/L	0.117		82.7	80-120			
Lead, total	0.107	0.0010	mg/L	0.117		91.8	80-120			
Nickel, total	0.0975	0.0050	mg/L	0.117		83.6	80-120			
Selenium, total	0.1042	0.0020	mg/L	0.117		89.3	80-120			
Silver, total	0.115	0.0050	mg/L	0.117		98.2	80-120			
Thallium, total	0.112	0.0005	mg/L	0.117		95.8	80-120			
Vanadium, total	0.125	0.0020	mg/L	0.117		107	80-120			
Zinc, total	0.0958	0.0050	mg/L	0.117		82.1	80-120			
Matrix Spike (1IF0076-MS1)		**Source: 1ID1421-01**		Prepared: 06/02/25 16:23 Analyzed: 06/21/25 11:22						
Antimony, total	0.114	0.0010	mg/L	0.100	0.0007	113	75-125			
Arsenic, total	0.106	0.0020	mg/L	0.100	ND	106	75-125			
Barium, total	0.281	0.0010	mg/L	0.100	0.137	144	75-125			M1
Beryllium, total	0.119	0.0005	mg/L	0.100	ND	119	75-125			
Cadmium, total	0.111	0.0002	mg/L	0.100	0.0001	110	75-125			
Chromium, total	0.119	0.0010	mg/L	0.100	0.0013	118	75-125			
Cobalt, total	0.113	0.0005	mg/L	0.100	0.0001	113	75-125			
Copper, total	0.0889	0.0050	mg/L	0.100	0.0027	86.1	75-125			
Lead, total	0.108	0.0010	mg/L	0.100	ND	108	75-125			
Nickel, total	0.0914	0.0050	mg/L	0.100	0.0017	89.7	75-125			
Selenium, total	0.1070	0.0020	mg/L	0.100	ND	107	75-125			
Silver, total	0.114	0.0050	mg/L	0.100	ND	114	75-125			
Thallium, total	0.112	0.0005	mg/L	0.100	ND	112	75-125			
Vanadium, total	0.125	0.0020	mg/L	0.100	ND	125	75-125			
Zinc, total	0.104	0.0050	mg/L	0.100	0.0097	94.4	75-125			
Matrix Spike Dup (1IF0076-MSD1)		**Source: 1ID1421-01**		Prepared: 06/02/25 16:23 Analyzed: 06/21/25 11:24						
Antimony, total	0.111	0.0010	mg/L	0.100	0.0007	111	75-125	2.01	20	
Arsenic, total	0.103	0.0020	mg/L	0.100	ND	103	75-125	2.21	20	
Barium, total	0.272	0.0010	mg/L	0.100	0.137	134	75-125	3.44	20	M1
Beryllium, total	0.119	0.0005	mg/L	0.100	ND	119	75-125	0.136	20	
Cadmium, total	0.107	0.0002	mg/L	0.100	0.0001	107	75-125	3.11	20	
Chromium, total	0.115	0.0010	mg/L	0.100	0.0013	113	75-125	3.69	20	
Cobalt, total	0.108	0.0005	mg/L	0.100	0.0001	108	75-125	4.69	20	
Copper, total	0.0861	0.0050	mg/L	0.100	0.0027	83.4	75-125	3.13	20	
Lead, total	0.106	0.0010	mg/L	0.100	ND	106	75-125	1.60	20	
Nickel, total	0.0892	0.0050	mg/L	0.100	0.0017	87.6	75-125	2.33	20	
Selenium, total	0.1047	0.0020	mg/L	0.100	ND	105	75-125	2.14	20	
Silver, total	0.112	0.0050	mg/L	0.100	ND	112	75-125	1.87	20	
Thallium, total	0.112	0.0005	mg/L	0.100	ND	112	75-125	0.0625	20	
Vanadium, total	0.121	0.0020	mg/L	0.100	ND	121	75-125	2.95	20	
Zinc, total	0.0983	0.0050	mg/L	0.100	0.0097	88.6	75-125	5.72	20	
Post Spike (1IF0076-PS1)		**Source: 1ID1421-01**		Prepared: 06/02/25 16:23 Analyzed: 06/21/25 11:27						
Antimony, total	0.0200		mg/L	0.0200	0.0006	97.0	80-120			

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF0076 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Post Spike (1IF0076-PS1)	**Source: 1ID1421-01**		Prepared: 06/02/25 16:23 Analyzed: 06/21/25 11:27							
Arsenic, total	0.0194		mg/L	0.0200	0.0002	96.4	80-120			
Barium, total	0.157		mg/L	0.0200	0.135	112	80-120			
Beryllium, total	0.0221		mg/L	0.0200	0.00003	111	80-120			
Cadmium, total	0.0199		mg/L	0.0200	0.0001	98.8	80-120			
Chromium, total	0.0215		mg/L	0.0200	0.0013	101	80-120			
Cobalt, total	0.0198		mg/L	0.0200	0.0001	98.1	80-120			
Copper, total	0.0180		mg/L	0.0200	0.0027	76.4	80-120			M2
Lead, total	0.0193		mg/L	0.0200	0.00008	96.0	80-120			
Nickel, total	0.0177		mg/L	0.0200	0.0016	80.3	80-120			
Selenium, total	0.0194		mg/L	0.0200	0.0003	95.4	80-120			
Silver, total	0.0201		mg/L	0.0200	0.00007	100	80-120			
Thallium, total	0.0194		mg/L	0.0200	0.00001	96.9	80-120			
Vanadium, total	0.0261		mg/L	0.0200	0.00005	130	80-120			M1
Zinc, total	0.0253		mg/L	0.0200	0.0095	79.2	80-120			M2

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

Volatile Organic Compounds by GCMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5D0943 - 5021 - EPA RSK-175										
Blank (B5D0943-BLK1)			Prepared: 04/17/25 11:29 Analyzed: 04/17/25 12:41							
Methane	<5.00	5.00	ug/L							
Ethene	<5.00	5.00	ug/L							
Ethane	<5.00	5.00	ug/L							
Propane	<5.00	5.00	ug/L							
n-Butane	<5.00	5.00	ug/L							
LCS (B5D0943-BS1)			Prepared: 04/17/25 11:29 Analyzed: 04/17/25 12:57							
Methane	105	5.00	ug/L	114.1884		92.1	85-115			
Ethene	215	5.00	ug/L	199.6873		108	85-115			
Ethane	230	5.00	ug/L	213.9965		107	85-115			
Propane	341	5.00	ug/L	313.9185		109	85-115			
n-Butane	419	5.00	ug/L	413.7764		101	85-115			
LCS Dup (B5D0943-BSD1)			Prepared: 04/17/25 11:29 Analyzed: 04/17/25 13:14							
Methane	119	5.00	ug/L	114.1884		104	85-115	12.1	40	
Ethene	229	5.00	ug/L	199.6873		115	85-115	6.29	40	
Ethane	245	5.00	ug/L	213.9965		115	85-115	6.55	40	
Propane	349	5.00	ug/L	313.9185		111	85-115	2.32	40	
n-Butane	418	5.00	ug/L	413.7764		101	85-115	0.134	40	
Batch B5D1124 - 5021 - EPA RSK-175										

Volatile Organic Compounds by GCMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5D1124 - 5021 - EPA RSK-175										
Blank (B5D1124-BLK1)				Prepared: 04/21/25 10:34 Analyzed: 04/21/25 11:01						
Methane	<5.00	5.00	ug/L							
Ethene	<5.00	5.00	ug/L							
Ethane	<5.00	5.00	ug/L							
LCS (B5D1124-BS1)				Prepared: 04/21/25 10:34 Analyzed: 04/21/25 11:15						
Methane	112	5.00	ug/L	114.1884		98.2	85-115			
Ethene	218	5.00	ug/L	199.6873		109	85-115			
Ethane	235	5.00	ug/L	213.9965		110	85-115			
LCS (B5D1124-BS2)				Prepared: 04/21/25 10:34 Analyzed: 04/21/25 12:40						
Methane	119	5.00	ug/L	114.1884		104	85-115			
Ethene	242	5.00	ug/L	199.6873		121	85-115			
Ethane	261	5.00	ug/L	213.9965		122	85-115			
LCS (B5D1124-BS3)				Prepared: 04/21/25 10:34 Analyzed: 04/21/25 12:53						
Methane	120	5.00	ug/L	114.1884		105	85-115			
Ethene	243	5.00	ug/L	199.6873		122	85-115			
Ethane	260	5.00	ug/L	213.9965		122	85-115			
LCS Dup (B5D1124-BSD1)				Prepared: 04/21/25 10:34 Analyzed: 04/21/25 11:29						
Methane	107	5.00	ug/L	114.1884		93.8	85-115	4.62	40	
Ethene	209	5.00	ug/L	199.6873		104	85-115	4.60	40	
Ethane	225	5.00	ug/L	213.9965		105	85-115	4.55	40	

Definitions

AC:	BOD blank = 0.22mg/L
B:	The target analyte was detected in the blank at or above the method acceptance criteria.
D3:	Dilution was performed due to high target analyte concentration.
H4:	The test was performed outside of the EPA recommended holding time of 15 minutes.
K1:	Unseeded dilution blank depletion exceeds 0.2 mg/L.
K2:	Glucose/glutamic acid recovery was below acceptance limits. The reported value is estimated.
M1:	Matrix spike recovery is above acceptance limits.
M2:	Matrix spike recovery is below acceptance limits.
Q:	One or more quality control criteria failed.
Q2:	LCS recovery is above acceptance limits.
RL:	Reporting Limit
RPD:	Relative Percent Difference
S2:	Surrogate recovery is below acceptance limits.

Cooler Receipt Log

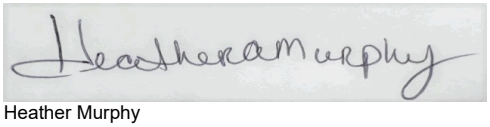
Cooler ID: Default Cooler Temp: 0.6°C

Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		

Report Comments

Reviewed and Approved By:



Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
06/25/25 08:48

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>.***

CH

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1 I D 1 4 2 1

HLW Engineering
PM: Heather Murphy

Printed: 3/24/2025 10:12:30A

www.keystonelabs.com

SITE INFORMATION

Sampler: Todd Whipple

Project: Marshall Sanitary Landfill-B1
6003

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Don Balialatak
Marshall County Landfill
2313 Marshalltown Blvd
Marshalltown, IA 50158

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order ITID1421
Temperature 0.6
Turn-Cooler: No

- [x] Custody Seal
- [x] Containers Intact
- [x] COC/Labels Agree
- [ ] Preservation Confirmed
- [x] Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-001	MW-66 (B) Dry	Aqueous	GRAB	4/14/25	—	0	indfill-appi-voc-group indfil-appi-metals-6020	
-001	MW-85 (B)	Aqueous	GRAB	4/14/25	9:05	7	indfill-appi-voc-group indfil-appi-metals-6020	01
-001	MW-98 (B)	Aqueous	GRAB	4/14/25	13:31	7	indfill-appi-voc-group indfil-appi-metals-6020	02
-001	MW-99 (B)	Aqueous	GRAB	4/14/25	7:59	7	indfill-appi-voc-group indfil-appi-metals-6020	03
-001	MW-49	Aqueous	GRAB	4/14/25	10:24	11	alk-caco3-2320 indfil-appi-voc-group indfil-appi-metals-6020 perrngas-rsk-175 ph-9040	04
-001	MW-54	Aqueous	GRAB	4/14/25	10:00	11	alk-caco3-2320 indfil-appi-voc-group indfil-appi-metals-6020 perrngas-rsk-175 ph-9040	05

Relinquished By: Todd Whipple Date/Time: 4/15/25

Received By Date/Time

Relinquished By Date/Time

Received for Lab By: Amy Wood Date/Time: 4/15/25 1030

Remarks:

Original - Lab Copy Yellow - Sampler Copy

CHAIN OF CUSTODY RECORD

MICROBAC®

600 East 1'
Newton, IA
641-792-84

1 I D 1 4 2 1

HLW Engineering
PM: Heather Murphy

Printed: 3/24/2025 10:12:30A

www.keystonelabs.com

SITE INFORMATION
Sampler: _____
Project: Marshall Sanitary Landfill-B1
6003

REPORT TO
Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO
Don Ballaiatak
Marshall County Landfill
2313 Marshalltown Blvd
Marshalltown, IA 50158

SPECIAL INSTRUCTIONS
None

Turn Around Time
☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY
Work Order ID1421
Temperature 0.6
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-81	Aqueous	GRAB	4/14/25	12:24	11	alk-caco3-2320, indfill-appl-voc-group, indfill-appl-metals-6020, perrngas-rsk-175, ph-9040	06
-001	MW-87	Aqueous	GRAB	4/14/25	12:43	7	indfill-appl-voc-group, indfill-appl-metals-6020	07
-001	MW-89	Aqueous	GRAB	4/14/25	13:16	7	indfill-appl-voc-group, indfill-appl-metals-6020	08
-001	MW-91	Aqueous	GRAB	4/14/25	13:00	7	indfill-appl-voc-group, indfill-appl-metals-6020	09
-001	MW-93	Aqueous	GRAB	4/14/25	12:07	7	indfill-appl-voc-group, indfill-appl-metals-6020	10
-001	MW-94	Aqueous	GRAB	4/14/25	9:37	11	alk-caco3-2320, indfill-appl-voc-group, indfill-appl-metals-6020, ph-9040	11
-001	MW-95	Aqueous	GRAB	4/14/25	8:29	7	indfill-appl-voc-group, indfill-appl-metals-6020	12

Todd Whipple 4/15/25
Relinquished By Date/Time

Received By Date/Time

Relinquished By Date/Time

Received for Lab By 4/15/25 1030 Date/Time

Remarks:

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MICROBAC®

600 East 1
Newton, IA
641-792-84

1 I D 1 4 2 1
HLW Engineering
PM: Heather Murphy

Printed: 3/24/2025 10:12:30A

www.keystonelabs.com

SITE INFORMATION

Sampler: _____

Project: Marshall Sanitary Landfill-B1
6003

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Don Bailalatak
Marshall County Landfill
2313 Marshalltown Blvd
Marshalltown, IA 50158

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order IID1421
Temperature 0.6
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-96R	Aqueous	GRAB	4/14/25	11:47	7	lndfill-appI-voc-group lndfil-appI-metals-6020	13
-001	MW-97	Aqueous	GRAB	4/14/25	9:24	7	lndfill-appI-voc-group lndfil-appI-metals-6020	14
-001	SRAMP B Tile	Aqueous	GRAB	4/14/25	11:33	7	lndfill-appI-voc-group lndfil-appI-metals-6020	15
-001	PECS B DRY	Aqueous	GRAB	4/14/25	—	0	lndfill-appI-voc-group	
-001	Duplicate	Aqueous	GRAB	4/14/25	✓	1	~~lndfill-appI-voc-group~~ lndfil-appI-metals-6020	16

Relinquished By [signature] Date/Time 4/15/25

Received By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Received for Lab By [signature] Date/Time 4/15/25 1030

Remarks:

Original - Lab Copy Yellow - Sampler Copy

MICROBAC®

600 East 1
Newton, IA
641-792-84

1 I D 1 4 2 1

HLW Engineering
PM: Heather Murphy

www.keystonelabs.com

SITE INFORMATION

Sampler: _____

Project: Marshall Sanitary Landfill-B1
6003

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Don Bailaiatak
Marshall County Landfill
2313 Marshalltown Blvd
Marshalltown, IA 50158

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order 1ID1421
Temperature 0.6
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	LW-75	Aqueous	GRAB	4/14/25	10:47	14	alk-caco3-2320 bod-5210 cod-t-410.4-low lndfill-appl-voc-group perngas-rsk-175 so4-9056-w tss-i-3765-85 as-t-6020 cl-9056-w co-t-6020 nh3-timberline ph-9040 tds-i-1750-85	17

Todd Whipple 4/15/25
Relinquished By Date/Time

Relinquished By Date/Time

Received By Date/Time

Ray Wood 4/16/25 1030
Received for Lab By Date/Time

Remarks:

Original - Lab Copy Yellow - Sampler Copy

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1035

Project Description

6003

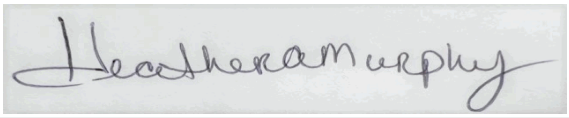
For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248



Heather Murphy

Customer Relationship Specialist

Tuesday, October 28, 2025

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

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

MICROBAC®

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1035

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6003

Project / PO Number: N/A
Received: 10/08/2025
Reported: 10/28/2025

Sample Summary Report

Sample Name	Laboratory ID	Client Matrix	Sample Type	Sample Begin	Sample Taken	Lab Received
MW-85 (B)	1IJ1035-01	Aqueous	GRAB		10/06/25 09:29	10/08/25 09:45
MW-98 (B)	1IJ1035-02	Aqueous	GRAB		10/06/25 12:28	10/08/25 09:45
MW-99 (B)	1IJ1035-03	Aqueous	GRAB		10/06/25 07:57	10/08/25 09:45
MW- 49	1IJ1035-04	Aqueous	GRAB		10/06/25 10:45	10/08/25 09:45
MW-54	1IJ1035-05	Aqueous	GRAB		10/06/25 10:24	10/08/25 09:45
MW-81	1IJ1035-06	Aqueous	GRAB		10/06/25 11:40	10/08/25 09:45
MW-87	1IJ1035-07	Aqueous	GRAB		10/06/25 11:25	10/08/25 09:45
MW-89	1IJ1035-08	Aqueous	GRAB		10/06/25 12:13	10/08/25 09:45
MW-91	1IJ1035-09	Aqueous	GRAB		10/06/25 12:01	10/08/25 09:45
MW-93	1IJ1035-10	Aqueous	GRAB		10/06/25 11:09	10/08/25 09:45
MW-94	1IJ1035-11	Aqueous	GRAB		10/06/25 09:54	10/08/25 09:45
MW-95	1IJ1035-12	Aqueous	GRAB		10/06/25 09:07	10/08/25 09:45
MW-96R	1IJ1035-13	Aqueous	GRAB		10/06/25 08:16	10/08/25 09:45
MW-97	1IJ1035-14	Aqueous	GRAB		10/06/25 09:43	10/08/25 09:45
SRAMP B Tile	1IJ1035-15	Aqueous	GRAB		10/06/25 08:32	10/08/25 09:45
Duplicate	1IJ1035-16	Aqueous	GRAB		10/06/25 00:00	10/08/25 09:45

CERTIFICATE OF ANALYSIS

1IJ1035

Analytical Testing Parameters

Client Sample ID:	MW-85 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-01	**Collection Date:**	10/06/2025 9:29

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Bromomethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Chloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Acetone	<10.0	10.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Chloroform	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Benzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Dibromomethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Toluene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Xylenes, total	<2.0	2.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Styrene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-85 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-01	**Collection Date:**	10/06/2025 9:29

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1658	RAF
Surrogate: Dibromofluoromethane	91.0	Limit: 75-136	% Rec		10/10/25 0000	10/10/25 1658	RAF
Surrogate: Dibromofluoromethane	91.0	Limit: 57-128	% Rec		10/10/25 0000	10/10/25 1658	RAF
Surrogate: 1,2-Dichloroethane-d4	82.9	Limit: 61-142	% Rec		10/10/25 0000	10/10/25 1658	RAF
Surrogate: 1,2-Dichloroethane-d4	82.9	Limit: 49-135	% Rec		10/10/25 0000	10/10/25 1658	RAF
Surrogate: Toluene-d8	96.8	Limit: 82-121	% Rec		10/10/25 0000	10/10/25 1658	RAF
Surrogate: Toluene-d8	96.8	Limit: 82-116	% Rec		10/10/25 0000	10/10/25 1658	RAF
Surrogate: 4-Bromofluorobenzene	96.0	Limit: 80-116	% Rec		10/10/25 0000	10/10/25 1658	RAF
Surrogate: 4-Bromofluorobenzene	96.0	Limit: 77-114	% Rec		10/10/25 0000	10/10/25 1658	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1634	RVV
Arsenic	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1634	RVV
Barium	**0.145**	0.0010	mg/L		10/13/25 1541	10/14/25 1634	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1634	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1634	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1634	RVV
Cobalt	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1634	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1634	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1634	RVV
Nickel	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1634	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1634	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1634	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1634	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1634	RVV
Zinc	**0.0080**	0.0050	mg/L		10/13/25 1541	10/14/25 1634	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-98 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-02	**Collection Date:**	10/06/2025 12:28

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Bromomethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Chloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Acetone	<10.0	10.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Chloroform	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Benzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Dibromomethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Toluene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Xylenes, total	<2.0	2.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Styrene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Bromoform	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-98 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-02	**Collection Date:**	10/06/2025 12:28

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1723	RAF
Surrogate: Dibromofluoromethane	90.9	Limit: 57-128	% Rec		10/10/25 0000	10/10/25 1723	RAF
Surrogate: Dibromofluoromethane	90.9	Limit: 75-136	% Rec		10/10/25 0000	10/10/25 1723	RAF
Surrogate: 1,2-Dichloroethane-d4	83.4	Limit: 61-142	% Rec		10/10/25 0000	10/10/25 1723	RAF
Surrogate: 1,2-Dichloroethane-d4	83.4	Limit: 49-135	% Rec		10/10/25 0000	10/10/25 1723	RAF
Surrogate: Toluene-d8	96.8	Limit: 82-116	% Rec		10/10/25 0000	10/10/25 1723	RAF
Surrogate: Toluene-d8	96.8	Limit: 82-121	% Rec		10/10/25 0000	10/10/25 1723	RAF
Surrogate: 4-Bromofluorobenzene	96.2	Limit: 80-116	% Rec		10/10/25 0000	10/10/25 1723	RAF
Surrogate: 4-Bromofluorobenzene	96.2	Limit: 77-114	% Rec		10/10/25 0000	10/10/25 1723	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1644	RVV
Arsenic	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1644	RVV
Barium	**0.0819**	0.0010	mg/L		10/13/25 1541	10/14/25 1644	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1644	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1644	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1644	RVV
Cobalt	**0.0005**	0.0005	mg/L		10/13/25 1541	10/14/25 1644	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1644	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1644	RVV
Nickel	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1644	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1644	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1644	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1644	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1644	RVV
Zinc	**0.0063**	0.0050	mg/L		10/13/25 1541	10/14/25 1644	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-99 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-03	**Collection Date:**	10/06/2025 7:57

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Bromomethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Chloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Acetone	<10.0	10.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Chloroform	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Benzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Dibromomethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Toluene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Xylenes, total	<2.0	2.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Styrene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Bromoform	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-99 (B)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-03	**Collection Date:**	10/06/2025 7:57

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1748	RAF
Surrogate: Dibromofluoromethane	91.9	Limit: 57-128	% Rec		10/10/25 0000	10/10/25 1748	RAF
Surrogate: Dibromofluoromethane	91.9	Limit: 75-136	% Rec		10/10/25 0000	10/10/25 1748	RAF
Surrogate: 1,2-Dichloroethane-d4	83.2	Limit: 49-135	% Rec		10/10/25 0000	10/10/25 1748	RAF
Surrogate: 1,2-Dichloroethane-d4	83.2	Limit: 61-142	% Rec		10/10/25 0000	10/10/25 1748	RAF
Surrogate: Toluene-d8	97.3	Limit: 82-121	% Rec		10/10/25 0000	10/10/25 1748	RAF
Surrogate: Toluene-d8	97.3	Limit: 82-116	% Rec		10/10/25 0000	10/10/25 1748	RAF
Surrogate: 4-Bromofluorobenzene	95.7	Limit: 77-114	% Rec		10/10/25 0000	10/10/25 1748	RAF
Surrogate: 4-Bromofluorobenzene	95.7	Limit: 80-116	% Rec		10/10/25 0000	10/10/25 1748	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1646	RVV
Arsenic	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1646	RVV
Barium	**0.0876**	0.0010	mg/L		10/13/25 1541	10/14/25 1646	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1646	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1646	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1646	RVV
Cobalt	**0.0005**	0.0005	mg/L		10/13/25 1541	10/14/25 1646	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1646	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1646	RVV
Nickel	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1646	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1646	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1646	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1646	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1646	RVV
Zinc	**0.0076**	0.0050	mg/L		10/13/25 1541	10/14/25 1646	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW- 49		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-04	**Collection Date:**	10/06/2025 10:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Bromomethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Chloroethane	**6.1**	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Acetone	<10.0	10.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Carbon Disulfide	**1.7**	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,1-Dichloroethane	**1.2**	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Chloroform	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Benzene	**4.3**	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Dibromomethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Toluene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Chlorobenzene	**1.3**	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Xylenes, total	<2.0	2.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Styrene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Bromoform	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW- 49		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-04	**Collection Date:**	10/06/2025 10:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,4-Dichlorobenzene	**6.5**	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1813	RAF
Surrogate: Dibromofluoromethane	89.0	Limit: 75-136	% Rec		10/10/25 0000	10/10/25 1813	RAF
Surrogate: Dibromofluoromethane	89.0	Limit: 57-128	% Rec		10/10/25 0000	10/10/25 1813	RAF
Surrogate: 1,2-Dichloroethane-d4	82.3	Limit: 61-142	% Rec		10/10/25 0000	10/10/25 1813	RAF
Surrogate: 1,2-Dichloroethane-d4	82.3	Limit: 49-135	% Rec		10/10/25 0000	10/10/25 1813	RAF
Surrogate: Toluene-d8	97.7	Limit: 82-121	% Rec		10/10/25 0000	10/10/25 1813	RAF
Surrogate: Toluene-d8	97.7	Limit: 82-116	% Rec		10/10/25 0000	10/10/25 1813	RAF
Surrogate: 4-Bromofluorobenzene	96.9	Limit: 77-114	% Rec		10/10/25 0000	10/10/25 1813	RAF
Surrogate: 4-Bromofluorobenzene	96.9	Limit: 80-116	% Rec		10/10/25 0000	10/10/25 1813	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1649	RVV
Arsenic	**0.443**	0.0020	mg/L		10/13/25 1541	10/14/25 1649	RVV
Barium	**0.226**	0.0010	mg/L		10/13/25 1541	10/14/25 1649	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1649	RVV
Cadmium	**0.0004**	0.0002	mg/L		10/13/25 1541	10/14/25 1649	RVV
Chromium	**0.0016**	0.0010	mg/L		10/13/25 1541	10/14/25 1649	RVV
Cobalt	**0.0778**	0.0005	mg/L		10/13/25 1541	10/14/25 1649	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1649	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1649	RVV
Nickel	**0.0388**	0.0050	mg/L		10/13/25 1541	10/14/25 1649	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1649	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1649	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1649	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1649	RVV
Zinc	**0.0477**	0.0050	mg/L		10/13/25 1541	10/14/25 1649	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-54		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-05	**Collection Date:**	10/06/2025 10:24

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Bromomethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Chloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Acetone	<10.0	10.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Chloroform	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Benzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Dibromomethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Toluene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Xylenes, total	<2.0	2.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Styrene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Bromoform	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-54		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-05	**Collection Date:**	10/06/2025 10:24

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,4-Dichlorobenzene	**1.7**	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/10/25 0000	10/10/25 1839	RAF
Surrogate: Dibromofluoromethane	91.4	Limit: 75-136	% Rec		10/10/25 0000	10/10/25 1839	RAF
Surrogate: Dibromofluoromethane	91.4	Limit: 57-128	% Rec		10/10/25 0000	10/10/25 1839	RAF
Surrogate: 1,2-Dichloroethane-d4	83.2	Limit: 49-135	% Rec		10/10/25 0000	10/10/25 1839	RAF
Surrogate: 1,2-Dichloroethane-d4	83.2	Limit: 61-142	% Rec		10/10/25 0000	10/10/25 1839	RAF
Surrogate: Toluene-d8	97.4	Limit: 82-116	% Rec		10/10/25 0000	10/10/25 1839	RAF
Surrogate: Toluene-d8	97.4	Limit: 82-121	% Rec		10/10/25 0000	10/10/25 1839	RAF
Surrogate: 4-Bromofluorobenzene	97.7	Limit: 77-114	% Rec		10/10/25 0000	10/10/25 1839	RAF
Surrogate: 4-Bromofluorobenzene	97.7	Limit: 80-116	% Rec		10/10/25 0000	10/10/25 1839	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1651	RVV
Arsenic	**0.0048**	0.0020	mg/L		10/13/25 1541	10/14/25 1651	RVV
Barium	**0.506**	0.0010	mg/L		10/13/25 1541	10/14/25 1651	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1651	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1651	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1651	RVV
Cobalt	**0.0090**	0.0005	mg/L		10/13/25 1541	10/14/25 1651	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1651	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1651	RVV
Nickel	**0.0175**	0.0050	mg/L		10/13/25 1541	10/14/25 1651	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1651	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1651	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1651	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1651	RVV
Zinc	**0.0098**	0.0050	mg/L		10/13/25 1541	10/14/25 1651	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-81		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-06	**Collection Date:**	10/06/2025 11:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1335	RAF
Vinyl Chloride	**10.8**	1.0	ug/L		10/17/25 0000	10/17/25 1335	RAF
Bromomethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1335	RAF
Chloroethane	**6.2**	1.0	ug/L		10/17/25 0000	10/17/25 1335	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1335	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Acetone	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Methyl Iodide	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1335	RAF
Carbon Disulfide	**1.6**	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Methylene Chloride	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Acrylonitrile	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
trans-1,2-Dichloroethylene	**2.6**	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,1-Dichloroethane	**20.2**	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Vinyl Acetate	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1335	RAF
cis-1,2-Dichloroethylene	**135**	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Bromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Chloroform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Benzene	**1.2**	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,2-Dichloroethane	**8.5**	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Trichloroethylene	**1.2**	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,2-Dichloropropane	**4.5**	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Dibromomethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Bromodichloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Toluene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Dibromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Chlorobenzene	**2.0**	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Ethylbenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Xylenes, total	<2.0	2.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Styrene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Bromoform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-81		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-06	**Collection Date:**	10/06/2025 11:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,4-Dichlorobenzene	**7.4**	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,2-Dichlorobenzene	**1.2**	1.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1336	CSM
Surrogate: Dibromofluoromethane	95.0	Limit: 75-136	% Rec		10/13/25 0000	10/13/25 1336	CSM
Surrogate: Dibromofluoromethane	89.5	Limit: 75-136	% Rec		10/17/25 0000	10/17/25 1335	RAF
Surrogate: Dibromofluoromethane	95.0	Limit: 57-128	% Rec		10/13/25 0000	10/13/25 1336	CSM
Surrogate: 1,2-Dichloroethane-d4	110	Limit: 61-142	% Rec		10/17/25 0000	10/17/25 1335	RAF
Surrogate: 1,2-Dichloroethane-d4	98.2	Limit: 49-135	% Rec		10/13/25 0000	10/13/25 1336	CSM
Surrogate: 1,2-Dichloroethane-d4	98.2	Limit: 61-142	% Rec		10/13/25 0000	10/13/25 1336	CSM
Surrogate: Toluene-d8	96.2	Limit: 82-121	% Rec		10/13/25 0000	10/13/25 1336	CSM
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/17/25 0000	10/17/25 1335	RAF
Surrogate: Toluene-d8	96.2	Limit: 82-116	% Rec		10/13/25 0000	10/13/25 1336	CSM
Surrogate: 4-Bromofluorobenzene	109	Limit: 80-116	% Rec		10/13/25 0000	10/13/25 1336	CSM
Surrogate: 4-Bromofluorobenzene	104	Limit: 80-116	% Rec		10/17/25 0000	10/17/25 1335	RAF
Surrogate: 4-Bromofluorobenzene	109	Limit: 77-114	% Rec		10/13/25 0000	10/13/25 1336	CSM

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1653	RVV
Arsenic	**0.0063**	0.0020	mg/L		10/13/25 1541	10/14/25 1653	RVV
Barium	**1.46**	0.0010	mg/L		10/13/25 1541	10/14/25 1653	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1653	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1653	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1653	RVV
Cobalt	**0.0099**	0.0005	mg/L		10/13/25 1541	10/14/25 1653	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1653	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1653	RVV
Nickel	**0.0092**	0.0050	mg/L		10/13/25 1541	10/14/25 1653	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1653	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1653	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1653	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1653	RVV
Zinc	**0.0122**	0.0050	mg/L		10/13/25 1541	10/14/25 1653	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-87		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-07	**Collection Date:**	10/06/2025 11:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Acetone	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Acetone	<10.0	10.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Methylene Chloride	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Acrylonitrile	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Bromochloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Chloroform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Chloroform	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Benzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Benzene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Dibromomethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Dibromomethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Bromodichloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Toluene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Toluene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-87		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-07	**Collection Date:**	10/06/2025 11:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Dibromochloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Chlorobenzene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Ethylbenzene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Xylenes, total	<2.0	2.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Xylenes, total	<2.0	2.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Styrene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Styrene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Bromoform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
Bromoform	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1359	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1358	RAF
Surrogate: Dibromofluoromethane	94.4	Limit: 57-128	% Rec		10/13/25 0000	10/13/25 1359	CSM
Surrogate: Dibromofluoromethane	94.4	Limit: 75-136	% Rec		10/13/25 0000	10/13/25 1359	CSM
Surrogate: Dibromofluoromethane	89.6	Limit: 75-136	% Rec		10/17/25 0000	10/17/25 1358	RAF
Surrogate: 1,2-Dichloroethane-d4	99.8	Limit: 49-135	% Rec		10/13/25 0000	10/13/25 1359	CSM
Surrogate: 1,2-Dichloroethane-d4	99.8	Limit: 61-142	% Rec		10/13/25 0000	10/13/25 1359	CSM
Surrogate: 1,2-Dichloroethane-d4	113	Limit: 61-142	% Rec		10/17/25 0000	10/17/25 1358	RAF
Surrogate: Toluene-d8	97.7	Limit: 82-116	% Rec		10/13/25 0000	10/13/25 1359	CSM
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		10/17/25 0000	10/17/25 1358	RAF

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-87		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-07	**Collection Date:**	10/06/2025 11:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Surrogate: Toluene-d8	97.7	Limit: 82-121	% Rec		10/13/25 0000	10/13/25 1359	CSM
Surrogate: 4-Bromofluorobenzene	107	Limit: 77-114	% Rec		10/13/25 0000	10/13/25 1359	CSM
Surrogate: 4-Bromofluorobenzene	107	Limit: 80-116	% Rec		10/13/25 0000	10/13/25 1359	CSM
Surrogate: 4-Bromofluorobenzene	101	Limit: 80-116	% Rec		10/17/25 0000	10/17/25 1358	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1656	RVV
Arsenic	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1656	RVV
Barium	**0.111**	0.0010	mg/L		10/13/25 1541	10/14/25 1656	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1656	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1656	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1656	RVV
Cobalt	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1656	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1656	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1656	RVV
Nickel	**0.0073**	0.0050	mg/L		10/13/25 1541	10/14/25 1656	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1656	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1656	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1656	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1656	RVV
Zinc	**0.0088**	0.0050	mg/L		10/13/25 1541	10/14/25 1656	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-89		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-08	**Collection Date:**	10/06/2025 12:13

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1421	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1421	RAF
Bromomethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1421	RAF
Chloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1421	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1421	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Acetone	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Methyl Iodide	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1421	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Methylene Chloride	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Acrylonitrile	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Vinyl Acetate	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1421	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Bromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Chloroform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Benzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Trichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Dibromomethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Bromodichloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Toluene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Dibromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Chlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Ethylbenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Xylenes, total	<2.0	2.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Styrene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Bromoform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-89		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-08	**Collection Date:**	10/06/2025 12:13

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1422	CSM
Surrogate: Dibromofluoromethane	96.1	Limit: 57-128	% Rec		10/13/25 0000	10/13/25 1422	CSM
Surrogate: Dibromofluoromethane	96.1	Limit: 75-136	% Rec		10/13/25 0000	10/13/25 1422	CSM
Surrogate: Dibromofluoromethane	90.0	Limit: 75-136	% Rec		10/17/25 0000	10/17/25 1421	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec		10/13/25 0000	10/13/25 1422	CSM
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 49-135	% Rec		10/13/25 0000	10/13/25 1422	CSM
Surrogate: 1,2-Dichloroethane-d4	111	Limit: 61-142	% Rec		10/17/25 0000	10/17/25 1421	RAF
Surrogate: Toluene-d8	97.7	Limit: 82-116	% Rec		10/13/25 0000	10/13/25 1422	CSM
Surrogate: Toluene-d8	97.7	Limit: 82-121	% Rec		10/13/25 0000	10/13/25 1422	CSM
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		10/17/25 0000	10/17/25 1421	RAF
Surrogate: 4-Bromofluorobenzene	105	Limit: 80-116	% Rec		10/13/25 0000	10/13/25 1422	CSM
Surrogate: 4-Bromofluorobenzene	105	Limit: 77-114	% Rec		10/13/25 0000	10/13/25 1422	CSM
Surrogate: 4-Bromofluorobenzene	104	Limit: 80-116	% Rec		10/17/25 0000	10/17/25 1421	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1704	RVV
Arsenic	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1704	RVV
Barium	**0.234**	0.0010	mg/L		10/13/25 1541	10/14/25 1704	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1704	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1704	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1704	RVV
Cobalt	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1704	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1704	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1704	RVV
Nickel	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1704	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1704	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1704	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1704	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1704	RVV
Zinc	**0.0185**	0.0050	mg/L		10/13/25 1541	10/14/25 1704	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-91		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-09	**Collection Date:**	10/06/2025 12:01

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1443	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1443	RAF
Bromomethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1443	RAF
Chloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1443	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1443	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Acetone	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Methyl Iodide	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1443	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Methylene Chloride	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Acrylonitrile	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Vinyl Acetate	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1443	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Bromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Chloroform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Benzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Trichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Dibromomethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Bromodichloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Toluene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Dibromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Chlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Ethylbenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Xylenes, total	<2.0	2.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Styrene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Bromoform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-91		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-09	**Collection Date:**	10/06/2025 12:01

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1444	CSM
Surrogate: Dibromofluoromethane	95.4	Limit: 75-136	% Rec		10/13/25 0000	10/13/25 1444	CSM
Surrogate: Dibromofluoromethane	91.9	Limit: 75-136	% Rec		10/17/25 0000	10/17/25 1443	RAF
Surrogate: Dibromofluoromethane	95.4	Limit: 57-128	% Rec		10/13/25 0000	10/13/25 1444	CSM
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec		10/13/25 0000	10/13/25 1444	CSM
Surrogate: 1,2-Dichloroethane-d4	111	Limit: 61-142	% Rec		10/17/25 0000	10/17/25 1443	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 49-135	% Rec		10/13/25 0000	10/13/25 1444	CSM
Surrogate: Toluene-d8	97.5	Limit: 82-121	% Rec		10/13/25 0000	10/13/25 1444	CSM
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/17/25 0000	10/17/25 1443	RAF
Surrogate: Toluene-d8	97.5	Limit: 82-116	% Rec		10/13/25 0000	10/13/25 1444	CSM
Surrogate: 4-Bromofluorobenzene	109	Limit: 80-116	% Rec		10/13/25 0000	10/13/25 1444	CSM
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/17/25 0000	10/17/25 1443	RAF
Surrogate: 4-Bromofluorobenzene	109	Limit: 77-114	% Rec		10/13/25 0000	10/13/25 1444	CSM

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1706	RVV
Arsenic	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1706	RVV
Barium	**0.250**	0.0010	mg/L		10/13/25 1541	10/14/25 1706	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1706	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1706	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1706	RVV
Cobalt	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1706	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1706	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1706	RVV
Nickel	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1706	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1706	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1706	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1706	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1706	RVV
Zinc	**0.0088**	0.0050	mg/L		10/13/25 1541	10/14/25 1706	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-93		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-10	**Collection Date:**	10/06/2025 11:09

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1506	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1506	RAF
Bromomethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1506	RAF
Chloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1506	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1506	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Acetone	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Methyl Iodide	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1506	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Methylene Chloride	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Acrylonitrile	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Vinyl Acetate	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1506	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Bromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Chloroform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Benzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Trichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Dibromomethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Bromodichloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Toluene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Dibromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Chlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Ethylbenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Xylenes, total	<2.0	2.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Styrene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Bromoform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-93		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-10	**Collection Date:**	10/06/2025 11:09

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1507	CSM
Surrogate: Dibromofluoromethane	95.6	Limit: 57-128	% Rec		10/13/25 0000	10/13/25 1507	CSM
Surrogate: Dibromofluoromethane	91.9	Limit: 75-136	% Rec		10/17/25 0000	10/17/25 1506	RAF
Surrogate: Dibromofluoromethane	95.6	Limit: 75-136	% Rec		10/13/25 0000	10/13/25 1507	CSM
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 49-135	% Rec		10/13/25 0000	10/13/25 1507	CSM
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 61-142	% Rec		10/17/25 0000	10/17/25 1506	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec		10/13/25 0000	10/13/25 1507	CSM
Surrogate: Toluene-d8	98.3	Limit: 82-116	% Rec		10/13/25 0000	10/13/25 1507	CSM
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		10/17/25 0000	10/17/25 1506	RAF
Surrogate: Toluene-d8	98.3	Limit: 82-121	% Rec		10/13/25 0000	10/13/25 1507	CSM
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/17/25 0000	10/17/25 1506	RAF
Surrogate: 4-Bromofluorobenzene	107	Limit: 77-114	% Rec		10/13/25 0000	10/13/25 1507	CSM
Surrogate: 4-Bromofluorobenzene	107	Limit: 80-116	% Rec		10/13/25 0000	10/13/25 1507	CSM

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1709	RVV
Arsenic	**0.0198**	0.0020	mg/L		10/13/25 1541	10/14/25 1709	RVV
Barium	**0.270**	0.0010	mg/L		10/13/25 1541	10/14/25 1709	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1709	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1709	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1709	RVV
Cobalt	**0.0122**	0.0005	mg/L		10/13/25 1541	10/14/25 1709	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1709	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1709	RVV
Nickel	**0.0394**	0.0050	mg/L		10/13/25 1541	10/14/25 1709	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1709	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1709	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1709	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1709	RVV
Zinc	**0.0104**	0.0050	mg/L		10/13/25 1541	10/14/25 1709	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID: MW-94
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1035-11
Collected By: Whipple, Todd
Collection Date: 10/06/2025 9:54

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1529	RAF
Vinyl Chloride	**4.5**	1.0	ug/L		10/17/25 0000	10/17/25 1529	RAF
Bromomethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1529	RAF
Chloroethane	**4.2**	1.0	ug/L		10/17/25 0000	10/17/25 1529	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1529	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Acetone	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Methyl Iodide	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1529	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Methylene Chloride	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Acrylonitrile	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Vinyl Acetate	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1529	RAF
cis-1,2-Dichloroethylene	**2.3**	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Bromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Chloroform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Benzene	**1.8**	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Trichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Dibromomethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Bromodichloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Toluene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Dibromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Chlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Ethylbenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Xylenes, total	<2.0	2.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Styrene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Bromoform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-94		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-11	**Collection Date:**	10/06/2025 9:54

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1530	CSM
Surrogate: Dibromofluoromethane	96.7	Limit: 57-128	% Rec		10/13/25 0000	10/13/25 1530	CSM
Surrogate: Dibromofluoromethane	96.7	Limit: 75-136	% Rec		10/13/25 0000	10/13/25 1530	CSM
Surrogate: Dibromofluoromethane	92.4	Limit: 75-136	% Rec		10/17/25 0000	10/17/25 1529	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 49-135	% Rec		10/13/25 0000	10/13/25 1530	CSM
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec		10/13/25 0000	10/13/25 1530	CSM
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 61-142	% Rec		10/17/25 0000	10/17/25 1529	RAF
Surrogate: Toluene-d8	98.9	Limit: 82-116	% Rec		10/13/25 0000	10/13/25 1530	CSM
Surrogate: Toluene-d8	98.9	Limit: 82-121	% Rec		10/13/25 0000	10/13/25 1530	CSM
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		10/17/25 0000	10/17/25 1529	RAF
Surrogate: 4-Bromofluorobenzene	107	Limit: 77-114	% Rec		10/13/25 0000	10/13/25 1530	CSM
Surrogate: 4-Bromofluorobenzene	107	Limit: 80-116	% Rec		10/13/25 0000	10/13/25 1530	CSM
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/17/25 0000	10/17/25 1529	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1711	RVV
Arsenic	**0.0664**	0.0020	mg/L		10/13/25 1541	10/14/25 1711	RVV
Barium	**0.256**	0.0010	mg/L		10/13/25 1541	10/14/25 1711	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1711	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1711	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1711	RVV
Cobalt	**0.0083**	0.0005	mg/L		10/13/25 1541	10/14/25 1711	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1711	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1711	RVV
Nickel	**0.0075**	0.0050	mg/L		10/13/25 1541	10/14/25 1711	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1711	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1711	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1711	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1711	RVV
Zinc	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1711	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-95		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-12	**Collection Date:**	10/06/2025 9:07

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Acetone	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Acetone	<10.0	10.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Methylene Chloride	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Methylene Chloride	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Bromochloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Chloroform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Chloroform	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Benzene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Benzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Trichloroethylene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Dibromomethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Dibromomethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Bromodichloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Toluene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Toluene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID: MW-95
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1035-12
Collected By: Whipple, Todd
Collection Date: 10/06/2025 9:07

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Dibromochloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Chlorobenzene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Ethylbenzene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Xylenes, total	<2.0	2.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Xylenes, total	<2.0	2.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Styrene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Styrene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Bromoform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
Bromoform	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1553	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1552	RAF
Surrogate: Dibromofluoromethane	96.3	Limit: 57-128	% Rec		10/13/25 0000	10/13/25 1553	CSM
Surrogate: Dibromofluoromethane	96.3	Limit: 75-136	% Rec		10/13/25 0000	10/13/25 1553	CSM
Surrogate: Dibromofluoromethane	91.3	Limit: 75-136	% Rec		10/17/25 0000	10/17/25 1552	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 49-135	% Rec		10/13/25 0000	10/13/25 1553	CSM
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec		10/13/25 0000	10/13/25 1553	CSM
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 61-142	% Rec		10/17/25 0000	10/17/25 1552	RAF
Surrogate: Toluene-d8	96.7	Limit: 82-121	% Rec		10/13/25 0000	10/13/25 1553	CSM
Surrogate: Toluene-d8	96.7	Limit: 82-116	% Rec		10/13/25 0000	10/13/25 1553	CSM

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-95		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-12	**Collection Date:**	10/06/2025 9:07

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		10/17/25 0000	10/17/25 1552	RAF
Surrogate: 4-Bromofluorobenzene	105	Limit: 77-114	% Rec		10/13/25 0000	10/13/25 1553	CSM
Surrogate: 4-Bromofluorobenzene	105	Limit: 80-116	% Rec		10/13/25 0000	10/13/25 1553	CSM
Surrogate: 4-Bromofluorobenzene	104	Limit: 80-116	% Rec		10/17/25 0000	10/17/25 1552	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1714	RVV
Arsenic	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1714	RVV
Barium	**0.0277**	0.0010	mg/L		10/13/25 1541	10/14/25 1714	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1714	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1714	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1714	RVV
Cobalt	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1714	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1714	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1714	RVV
Nickel	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1714	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1714	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1714	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1714	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1714	RVV
Zinc	**0.0057**	0.0050	mg/L		10/13/25 1541	10/14/25 1714	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-96R		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-13	**Collection Date:**	10/06/2025 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		10/17/25 0000	10/17/25 1615	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1615	RAF
Bromomethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1615	RAF
Chloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1615	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1615	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Acetone	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Methyl Iodide	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1615	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Methylene Chloride	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Acrylonitrile	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Vinyl Acetate	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1615	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Bromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Chloroform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Benzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Trichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Dibromomethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Bromodichloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Toluene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Dibromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Chlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Ethylbenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Xylenes, total	<2.0	2.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Styrene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Bromoform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-96R		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-13	**Collection Date:**	10/06/2025 8:16

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1616	CSM
Surrogate: Dibromofluoromethane	96.6	Limit: 75-136	% Rec		10/13/25 0000	10/13/25 1616	CSM
Surrogate: Dibromofluoromethane	96.6	Limit: 57-128	% Rec		10/13/25 0000	10/13/25 1616	CSM
Surrogate: Dibromofluoromethane	93.3	Limit: 75-136	% Rec		10/17/25 0000	10/17/25 1615	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 49-135	% Rec		10/13/25 0000	10/13/25 1616	CSM
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec		10/17/25 0000	10/17/25 1615	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 61-142	% Rec		10/13/25 0000	10/13/25 1616	CSM
Surrogate: Toluene-d8	96.7	Limit: 82-116	% Rec		10/13/25 0000	10/13/25 1616	CSM
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/17/25 0000	10/17/25 1615	RAF
Surrogate: Toluene-d8	96.7	Limit: 82-121	% Rec		10/13/25 0000	10/13/25 1616	CSM
Surrogate: 4-Bromofluorobenzene	107	Limit: 77-114	% Rec		10/13/25 0000	10/13/25 1616	CSM
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/17/25 0000	10/17/25 1615	RAF
Surrogate: 4-Bromofluorobenzene	107	Limit: 80-116	% Rec		10/13/25 0000	10/13/25 1616	CSM

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1716	RVV
Arsenic	**0.0068**	0.0020	mg/L		10/13/25 1541	10/14/25 1716	RVV
Barium	**0.317**	0.0010	mg/L		10/13/25 1541	10/14/25 1716	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1716	RVV
Cadmium	**0.0003**	0.0002	mg/L		10/13/25 1541	10/14/25 1716	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1716	RVV
Cobalt	**0.0107**	0.0005	mg/L		10/13/25 1541	10/14/25 1716	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1716	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1716	RVV
Nickel	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1716	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1716	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1716	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1716	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1716	RVV
Zinc	**0.0111**	0.0050	mg/L		10/13/25 1541	10/14/25 1716	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-97		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-14	**Collection Date:**	10/06/2025 9:43

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1637	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1637	RAF
Bromomethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1637	RAF
Chloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1637	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1637	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Acetone	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Methyl Iodide	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1637	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Methylene Chloride	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Acrylonitrile	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Vinyl Acetate	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1637	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Bromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Chloroform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Benzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Trichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Dibromomethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Bromodichloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Toluene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Dibromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Chlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Ethylbenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Xylenes, total	<2.0	2.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Styrene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Bromoform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	MW-97		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-14	**Collection Date:**	10/06/2025 9:43

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1638	CSM
Surrogate: Dibromofluoromethane	98.5	Limit: 57-128	% Rec		10/13/25 0000	10/13/25 1638	CSM
Surrogate: Dibromofluoromethane	98.5	Limit: 75-136	% Rec		10/13/25 0000	10/13/25 1638	CSM
Surrogate: Dibromofluoromethane	92.8	Limit: 75-136	% Rec		10/17/25 0000	10/17/25 1637	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 61-142	% Rec		10/13/25 0000	10/13/25 1638	CSM
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 49-135	% Rec		10/13/25 0000	10/13/25 1638	CSM
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 61-142	% Rec		10/17/25 0000	10/17/25 1637	RAF
Surrogate: Toluene-d8	96.6	Limit: 82-116	% Rec		10/13/25 0000	10/13/25 1638	CSM
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/17/25 0000	10/17/25 1637	RAF
Surrogate: Toluene-d8	96.6	Limit: 82-121	% Rec		10/13/25 0000	10/13/25 1638	CSM
Surrogate: 4-Bromofluorobenzene	108	Limit: 77-114	% Rec		10/13/25 0000	10/13/25 1638	CSM
Surrogate: 4-Bromofluorobenzene	108	Limit: 80-116	% Rec		10/13/25 0000	10/13/25 1638	CSM
Surrogate: 4-Bromofluorobenzene	101	Limit: 80-116	% Rec		10/17/25 0000	10/17/25 1637	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1719	RVV
Arsenic	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1719	RVV
Barium	**0.295**	0.0010	mg/L		10/13/25 1541	10/14/25 1719	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1719	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1719	RVV
Chromium	**0.0012**	0.0010	mg/L		10/13/25 1541	10/14/25 1719	RVV
Cobalt	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1719	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1719	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1719	RVV
Nickel	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1719	RVV
Selenium	**0.0021**	0.0020	mg/L		10/13/25 1541	10/14/25 1719	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1719	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1719	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1719	RVV
Zinc	**0.0167**	0.0050	mg/L		10/13/25 1541	10/14/25 1719	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	SRAMP B Tile		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-15	**Collection Date:**	10/06/2025 8:32

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1700	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1700	RAF
Bromomethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1700	RAF
Chloroethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1700	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1700	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Acetone	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Methyl Iodide	<1.0	1.0	ug/L		10/17/25 0000	10/17/25 1700	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Methylene Chloride	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Acrylonitrile	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Vinyl Acetate	<5.0	5.0	ug/L		10/17/25 0000	10/17/25 1700	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Bromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Chloroform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Benzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Trichloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Dibromomethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Bromodichloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Toluene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Dibromochloromethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Chlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Ethylbenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Xylenes, total	<2.0	2.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Styrene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Bromoform	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	SRAMP B Tile		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-15	**Collection Date:**	10/06/2025 8:32

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/13/25 0000	10/13/25 1701	CSM
Surrogate: Dibromofluoromethane	97.4	Limit: 57-128	% Rec		10/13/25 0000	10/13/25 1701	CSM
Surrogate: Dibromofluoromethane	93.0	Limit: 75-136	% Rec		10/17/25 0000	10/17/25 1700	RAF
Surrogate: Dibromofluoromethane	97.4	Limit: 75-136	% Rec		10/13/25 0000	10/13/25 1701	CSM
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec		10/13/25 0000	10/13/25 1701	CSM
Surrogate: 1,2-Dichloroethane-d4	113	Limit: 61-142	% Rec		10/17/25 0000	10/17/25 1700	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 49-135	% Rec		10/13/25 0000	10/13/25 1701	CSM
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/17/25 0000	10/17/25 1700	RAF
Surrogate: Toluene-d8	97.2	Limit: 82-116	% Rec		10/13/25 0000	10/13/25 1701	CSM
Surrogate: Toluene-d8	97.2	Limit: 82-121	% Rec		10/13/25 0000	10/13/25 1701	CSM
Surrogate: 4-Bromofluorobenzene	107	Limit: 80-116	% Rec		10/13/25 0000	10/13/25 1701	CSM
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/17/25 0000	10/17/25 1700	RAF
Surrogate: 4-Bromofluorobenzene	107	Limit: 77-114	% Rec		10/13/25 0000	10/13/25 1701	CSM

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1721	RVV
Arsenic	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1721	RVV
Barium	**0.0163**	0.0010	mg/L		10/13/25 1541	10/14/25 1721	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1721	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1721	RVV
Chromium	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1721	RVV
Cobalt	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1721	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1721	RVV
Lead	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1721	RVV
Nickel	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1721	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1721	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1721	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1721	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1721	RVV
Zinc	**0.0130**	0.0050	mg/L		10/13/25 1541	10/14/25 1721	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Client Sample ID:	Duplicate		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1035-16	**Collection Date:**	10/06/2025

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/13/25 1541	10/14/25 1724	RVV
Arsenic	**0.0663**	0.0020	mg/L		10/13/25 1541	10/14/25 1724	RVV
Barium	**0.262**	0.0010	mg/L		10/13/25 1541	10/14/25 1724	RVV
Beryllium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1724	RVV
Cadmium	<0.0002	0.0002	mg/L		10/13/25 1541	10/14/25 1724	RVV
Chromium	**0.0015**	0.0010	mg/L		10/13/25 1541	10/14/25 1724	RVV
Cobalt	**0.0079**	0.0005	mg/L		10/13/25 1541	10/14/25 1724	RVV
Copper	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1724	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 0925	10/20/25 2038	RVV
Nickel	**0.0070**	0.0050	mg/L		10/13/25 1541	10/22/25 1753	RVV
Selenium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1724	RVV
Silver	<0.0050	0.0050	mg/L		10/13/25 1541	10/14/25 1724	RVV
Thallium	<0.0005	0.0005	mg/L		10/13/25 1541	10/14/25 1724	RVV
Vanadium	<0.0020	0.0020	mg/L		10/13/25 1541	10/14/25 1724	RVV
Zinc	<0.0050	0.0050	mg/L		10/22/25 1612	10/24/25 2015	RVV

CERTIFICATE OF ANALYSIS

1IJ1035

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IJ0685	1IJ0685-BS1	
		1IJ0685-BSD1	
		1IJ0685-BLK1	
		1IJ1035-01	MW-85 (B)
		1IJ1035-02	MW-98 (B)
		1IJ1035-03	MW-99 (B)
		1IJ1035-04	MW- 49
		1IJ1035-05	MW-54
		1IJ0685-MS1	1IJ1035-02
		1IJ0685-MSD1	1IJ1035-02
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
EPA 6020A	1IJ0754	1IJ0754-BLK1	
		1IJ0754-BS1	
		1IJ1035-01	MW-85 (B)
		1IJ0754-MS1	1IJ1035-01
		1IJ0754-MSD1	1IJ1035-01
		1IJ0754-PS1	1IJ1035-01
		1IJ1035-02	MW-98 (B)
		1IJ1035-03	MW-99 (B)
		1IJ1035-04	MW- 49
		1IJ1035-05	MW-54
		1IJ1035-06	MW-81
		1IJ1035-07	MW-87
		1IJ1035-08	MW-89
		1IJ1035-09	MW-91
		1IJ1035-10	MW-93
		1IJ1035-11	MW-94
		1IJ1035-12	MW-95
		1IJ1035-13	MW-96R
		1IJ1035-14	MW-97
		1IJ1035-15	SRAMP B Tile
		1IJ1035-16	Duplicate
		1IJ1035-16RE2	Duplicate
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
EPA 8260D	1IJ0778	1IJ0778-BLK1	
		1IJ1035-06	MW-81
		1IJ1035-07	MW-87
		1IJ1035-08	MW-89
		1IJ1035-09	MW-91
		1IJ1035-10	MW-93
		1IJ1035-11	MW-94
		1IJ1035-12	MW-95
		1IJ1035-13	MW-96R
		1IJ1035-14	MW-97
		1IJ1035-15	SRAMP B Tile
		1IJ0778-MS1	1IJ1035-08
		1IJ0778-MSD1	1IJ1035-08
		1IJ0778-BS1	
		1IJ0778-BSD1	

CERTIFICATE OF ANALYSIS

1IJ1035

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IJ1089	1IJ1089-BS1	
		1IJ1089-BSD1	
		1IJ1089-BLK1	
		1IJ1035-06RE1	MW-81
		1IJ1035-07RE1	MW-87
		1IJ1035-08RE1	MW-89
		1IJ1035-09RE1	MW-91
		1IJ1035-10RE1	MW-93
		1IJ1035-11RE1	MW-94
		1IJ1035-12RE1	MW-95
		1IJ1035-13RE1	MW-96R
		1IJ1035-14RE1	MW-97
		1IJ1035-15RE1	SRAMP B Tile
		1IJ1089-MS1	1IJ1387-01
		1IJ1089-MSD1	1IJ1387-01

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IJ1122	1IJ1122-BLK1	
		1IJ1122-BS1	
		1IJ1035-16RE3	Duplicate
		1IJ1122-MS1	1IJ1462-01
		1IJ1122-MSD1	1IJ1462-01
		1IJ1122-PS1	1IJ1462-01

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IJ1327	1IJ1327-BLK1	
		1IJ1327-BS1	
		1IJ1327-MS1	1IJ1863-01
		1IJ1327-MSD1	1IJ1863-01
		1IJ1327-PS1	1IJ1863-01
		1IJ1035-16RE3	Duplicate

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0685 - EPA 5030B - EPA 8260D										
Blank (1IJ0685-BLK1)			Prepared: 10/10/25 00:00 Analyzed: 10/10/25 11:19							
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							

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0685 - EPA 5030B - EPA 8260D										
Blank (1IJ0685-BLK1)			Prepared: 10/10/25 00:00 Analyzed: 10/10/25 11:19							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	*45.7*		ug/L	*50.2*		*91.0*	*57-128*			
Surrogate: Dibromofluoromethane	*45.7*		ug/L	*50.2*		*91.0*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*41.3*		ug/L	*50.4*		*82.1*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*41.3*		ug/L	*50.4*		*82.1*	*61-142*			
Surrogate: Toluene-d8	*48.8*		ug/L	*50.5*		*96.6*	*82-116*			
Surrogate: Toluene-d8	*48.8*		ug/L	*50.5*		*96.6*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*48.0*		ug/L	*50.2*		*95.6*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*48.0*		ug/L	*50.2*		*95.6*	*80-116*			

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0685 - EPA 5030B - EPA 8260D										
LCS (1IJ0685-BS1)	Prepared: 10/10/25 00:00 Analyzed: 10/10/25 10:05									
Chloromethane	25.66	1.0	ug/L	30.3		84.6	63-155			
Vinyl Chloride	27.69	1.0	ug/L	30.2		91.5	70-154			
Bromomethane	28.09	1.0	ug/L	30.1		93.3	52-176			
Chloroethane	25.64	1.0	ug/L	30.3		84.6	72-148			
Trichlorofluoromethane	25.25	1.0	ug/L	30.3		83.3	70-152			
1,1-Dichloroethylene	42.40	1.0	ug/L	50.1		84.6	70-148			
Acetone	79.65	10.0	ug/L	100		79.6	43-172			
Methyl Iodide	94.10	1.0	ug/L	100		94.1	69-170			
Carbon Disulfide	89.58	1.0	ug/L	100		89.6	72-162			
Methylene Chloride	46.82	5.0	ug/L	50.1		93.4	68-142			
Acrylonitrile	39.55	5.0	ug/L	50.4		78.6	33-163			
trans-1,2-Dichloroethylene	41.49	1.0	ug/L	50.1		82.8	66-148			
1,1-Dichloroethane	41.50	1.0	ug/L	50.1		82.8	66-143			
Vinyl Acetate	134.2	5.0	ug/L	142		94.2	43-153			
cis-1,2-Dichloroethylene	44.18	1.0	ug/L	50.4		87.7	71-149			
2-Butanone (MEK)	84.95	10.0	ug/L	100		85.0	52-159			
Bromochloromethane	44.93	1.0	ug/L	50.4		89.1	69-143			
Chloroform	40.96	1.0	ug/L	50.1		81.8	69-144			
1,1,1-Trichloroethane	43.25	1.0	ug/L	50.1		86.3	62-129			
Carbon Tetrachloride	44.19	1.0	ug/L	50.1		88.2	63-141			
Benzene	46.63	1.0	ug/L	50.4		92.5	71-134			
1,2-Dichloroethane	40.14	1.0	ug/L	50.1		80.1	72-132			
Trichloroethylene	48.03	1.0	ug/L	50.1		95.9	71-135			
1,2-Dichloropropane	45.25	1.0	ug/L	50.1		90.3	69-136			
Dibromomethane	43.78	1.0	ug/L	50.4		86.9	73-147			
Bromodichloromethane	44.08	1.0	ug/L	50.1		88.0	68-129			
cis-1,3-Dichloropropene	47.14	1.0	ug/L	50.1		94.1	65-134			
4-Methyl-2-pentanone (MIBK)	90.71	5.0	ug/L	100		90.7	58-147			
Toluene	47.44	1.0	ug/L	50.5		94.0	72-133			
trans-1,3-Dichloropropene	46.12	1.0	ug/L	50.1		92.1	67-130			
1,1,2-Trichloroethane	45.88	1.0	ug/L	50.1		91.6	69-135			
Tetrachloroethylene	50.02	1.0	ug/L	50.1		99.8	69-130			
2-Hexanone (MBK)	88.11	5.0	ug/L	100		88.1	55-144			
Dibromochloromethane	46.61	1.0	ug/L	50.1		93.1	73-127			
1,2-Dibromoethane	48.07	1.0	ug/L	50.2		95.7	67-132			
Chlorobenzene	47.18	1.0	ug/L	50.1		94.2	72-123			
1,1,1,2-Tetrachloroethane	46.96	1.0	ug/L	50.3		93.3	73-127			
Ethylbenzene	48.92	1.0	ug/L	50.2		97.5	71-127			
Xylenes, total	147.8	2.0	ug/L	151		97.8	74-127			
Styrene	50.71	1.0	ug/L	50.4		101	66-126			
Bromoform	45.72	1.0	ug/L	50.1		91.2	68-130			
1,2,3-Trichloropropane	43.73	1.0	ug/L	50.3		86.9	63-136			
trans-1,4-Dichloro-2-butene	85.01	5.0	ug/L	100		85.0	54-134			

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0685 - EPA 5030B - EPA 8260D										
LCS (1IJ0685-BS1)	Prepared: 10/10/25 00:00 Analyzed: 10/10/25 10:05									
1,1,2,2-Tetrachloroethane	45.78	1.0	ug/L	50.1		91.4	61-131			
1,4-Dichlorobenzene	46.88	1.0	ug/L	50.1		93.5	70-129			
1,2-Dichlorobenzene	47.65	1.0	ug/L	50.1		95.1	69-126			
1,2-Dibromo-3-chloropropane	41.94	5.0	ug/L	50.1		83.7	50-143			
Surrogate: Dibromofluoromethane	*43.7*		ug/L	*50.2*		*87.0*	*57-128*			
Surrogate: Dibromofluoromethane	*43.7*		ug/L	*50.2*		*87.0*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*40.1*		ug/L	*50.4*		*79.5*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*40.1*		ug/L	*50.4*		*79.5*	*61-142*			
Surrogate: Toluene-d8	*49.1*		ug/L	*50.5*		*97.2*	*82-116*			
Surrogate: Toluene-d8	*49.1*		ug/L	*50.5*		*97.2*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*48.7*		ug/L	*50.2*		*97.1*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*48.7*		ug/L	*50.2*		*97.1*	*80-116*			
LCS Dup (1IJ0685-BSD1)	Prepared: 10/10/25 00:00 Analyzed: 10/10/25 10:30									
Chloromethane	25.01	1.0	ug/L	30.3		82.5	63-155	2.57	24	
Vinyl Chloride	27.22	1.0	ug/L	30.2		90.0	70-154	1.71	25	
Bromomethane	27.60	1.0	ug/L	30.1		91.6	52-176	1.76	27	
Chloroethane	25.31	1.0	ug/L	30.3		83.5	72-148	1.30	25	
Trichlorofluoromethane	25.35	1.0	ug/L	30.3		83.6	70-152	0.395	26	
1,1-Dichloroethylene	42.50	1.0	ug/L	50.1		84.8	70-148	0.236	24	
Acetone	82.23	10.0	ug/L	100		82.2	43-172	3.19	30	
Methyl Iodide	94.72	1.0	ug/L	100		94.7	69-170	0.657	30	
Carbon Disulfide	89.01	1.0	ug/L	100		89.0	72-162	0.638	24	
Methylene Chloride	47.47	5.0	ug/L	50.1		94.7	68-142	1.38	21	
Acrylonitrile	40.36	5.0	ug/L	50.4		80.2	33-163	2.03	28	
trans-1,2-Dichloroethylene	41.21	1.0	ug/L	50.1		82.3	66-148	0.677	27	
1,1-Dichloroethane	41.20	1.0	ug/L	50.1		82.2	66-143	0.726	24	
Vinyl Acetate	137.8	5.0	ug/L	142		96.7	43-153	2.71	30	
cis-1,2-Dichloroethylene	43.88	1.0	ug/L	50.4		87.1	71-149	0.681	26	
2-Butanone (MEK)	87.44	10.0	ug/L	100		87.4	52-159	2.89	27	
Bromochloromethane	45.02	1.0	ug/L	50.4		89.3	69-143	0.200	23	
Chloroform	41.05	1.0	ug/L	50.1		82.0	69-144	0.219	23	
1,1,1-Trichloroethane	43.18	1.0	ug/L	50.1		86.2	62-129	0.162	24	
Carbon Tetrachloride	43.93	1.0	ug/L	50.1		87.7	63-141	0.590	25	
Benzene	46.54	1.0	ug/L	50.4		92.3	71-134	0.193	24	
1,2-Dichloroethane	39.87	1.0	ug/L	50.1		79.6	72-132	0.675	24	
Trichloroethylene	48.16	1.0	ug/L	50.1		96.1	71-135	0.270	24	
1,2-Dichloropropane	45.58	1.0	ug/L	50.1		91.0	69-136	0.727	24	
Dibromomethane	43.78	1.0	ug/L	50.4		86.9	73-147	0.00	25	
Bromodichloromethane	44.51	1.0	ug/L	50.1		88.9	68-129	0.971	22	
cis-1,3-Dichloropropene	47.67	1.0	ug/L	50.1		95.2	65-134	1.12	23	
4-Methyl-2-pentanone (MIBK)	93.12	5.0	ug/L	100		93.1	58-147	2.62	27	
Toluene	47.21	1.0	ug/L	50.5		93.5	72-133	0.486	24	
trans-1,3-Dichloropropene	46.48	1.0	ug/L	50.1		92.8	67-130	0.778	24	

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0685 - EPA 5030B - EPA 8260D										
LCS Dup (1IJ0685-BSD1)			Prepared: 10/10/25 00:00 Analyzed: 10/10/25 10:30							
1,1,2-Trichloroethane	47.17	1.0	ug/L	50.1		94.2	69-135	2.77	23	
Tetrachloroethylene	50.71	1.0	ug/L	50.1		101	69-130	1.37	25	
2-Hexanone (MBK)	91.17	5.0	ug/L	100		91.2	55-144	3.41	25	
Dibromochloromethane	47.21	1.0	ug/L	50.1		94.3	73-127	1.28	22	
1,2-Dibromoethane	48.57	1.0	ug/L	50.2		96.7	67-132	1.03	24	
Chlorobenzene	47.98	1.0	ug/L	50.1		95.8	72-123	1.68	23	
1,1,1,2-Tetrachloroethane	47.63	1.0	ug/L	50.3		94.6	73-127	1.42	24	
Ethylbenzene	49.42	1.0	ug/L	50.2		98.5	71-127	1.02	26	
Xylenes, total	150.0	2.0	ug/L	151		99.3	74-127	1.50	25	
Styrene	51.32	1.0	ug/L	50.4		102	66-126	1.20	23	
Bromoform	47.27	1.0	ug/L	50.1		94.3	68-130	3.33	23	
1,2,3-Trichloropropane	44.65	1.0	ug/L	50.3		88.7	63-136	2.08	24	
trans-1,4-Dichloro-2-butene	87.36	5.0	ug/L	100		87.4	54-134	2.73	27	
1,1,2,2-Tetrachloroethane	46.94	1.0	ug/L	50.1		93.7	61-131	2.50	29	
1,4-Dichlorobenzene	46.88	1.0	ug/L	50.1		93.5	70-129	0.00	24	
1,2-Dichlorobenzene	48.05	1.0	ug/L	50.1		95.9	69-126	0.836	26	
1,2-Dibromo-3-chloropropane	42.22	5.0	ug/L	50.1		84.2	50-143	0.665	30	
Surrogate: Dibromofluoromethane	*43.6*		ug/L	*50.2*		*86.8*	*57-128*			
Surrogate: Dibromofluoromethane	*43.6*		ug/L	*50.2*		*86.8*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*40.0*		ug/L	*50.4*		*79.5*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*40.0*		ug/L	*50.4*		*79.5*	*61-142*			
Surrogate: Toluene-d8	*48.7*		ug/L	*50.5*		*96.6*	*82-116*			
Surrogate: Toluene-d8	*48.7*		ug/L	*50.5*		*96.6*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*49.3*		ug/L	*50.2*		*98.2*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*49.3*		ug/L	*50.2*		*98.2*	*80-116*			
Matrix Spike (1IJ0685-MS1)		**Source: 1IJ1035-02**	Prepared: 10/10/25 00:00 Analyzed: 10/10/25 19:04							
Chloromethane	242.5	10.0	ug/L	303	ND	80.0	61-152			
Vinyl Chloride	264.0	10.0	ug/L	302	ND	87.3	66-149			
Bromomethane	265.6	10.0	ug/L	301	ND	88.2	43-171			
Chloroethane	250.2	10.0	ug/L	303	ND	82.5	69-148			
Trichlorofluoromethane	252.4	10.0	ug/L	303	ND	83.3	62-163			
1,1-Dichloroethylene	419.3	10.0	ug/L	501	ND	83.7	70-148			
Acetone	828.1	100	ug/L	1000	ND	82.8	45-173			
Methyl Iodide	866.1	10.0	ug/L	1000	ND	86.6	62-167			
Carbon Disulfide	860.5	10.0	ug/L	1000	ND	86.0	71-163			
Methylene Chloride	455.4	50.0	ug/L	501	ND	90.9	69-140			
Acrylonitrile	392.7	50.0	ug/L	504	ND	78.0	32-159			
trans-1,2-Dichloroethylene	406.4	10.0	ug/L	501	ND	81.1	69-144			
1,1-Dichloroethane	403.6	10.0	ug/L	501	ND	80.6	70-138			
Vinyl Acetate	1283	50.0	ug/L	1420	ND	90.1	58-142			
cis-1,2-Dichloroethylene	426.0	10.0	ug/L	504	ND	84.6	68-151			
2-Butanone (MEK)	778.2	100	ug/L	1000	ND	77.8	50-160			
Bromochloromethane	436.7	10.0	ug/L	504	ND	86.6	65-143			

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0685 - EPA 5030B - EPA 8260D										
Matrix Spike (1IJ0685-MS1)	**Source: 1IJ1035-02**	Prepared: 10/10/25 00:00 Analyzed: 10/10/25 19:04								
Chloroform	405.4	10.0	ug/L	501	ND	80.9	71-143			
1,1,1-Trichloroethane	429.2	10.0	ug/L	501	ND	85.6	63-133			
Carbon Tetrachloride	438.0	10.0	ug/L	501	ND	87.4	63-142			
Benzene	460.8	10.0	ug/L	504	ND	91.4	69-133			
1,2-Dichloroethane	404.4	10.0	ug/L	501	ND	80.7	63-138			
Trichloroethylene	474.2	10.0	ug/L	501	ND	94.7	71-133			
1,2-Dichloropropane	440.8	10.0	ug/L	501	ND	88.0	69-132			
Dibromomethane	431.4	10.0	ug/L	504	ND	85.7	70-147			
Bromodichloromethane	440.7	10.0	ug/L	501	ND	88.0	67-130			
cis-1,3-Dichloropropene	457.6	10.0	ug/L	501	ND	91.4	61-126			
4-Methyl-2-pentanone (MIBK)	906.6	50.0	ug/L	1000	ND	90.7	55-147			
Toluene	466.7	10.0	ug/L	505	ND	92.5	71-133			
trans-1,3-Dichloropropene	452.2	10.0	ug/L	501	ND	90.3	63-124			
1,1,2-Trichloroethane	462.0	10.0	ug/L	501	ND	92.2	69-133			
Tetrachloroethylene	489.7	10.0	ug/L	501	ND	97.7	70-124			
2-Hexanone (MBK)	891.5	50.0	ug/L	1000	ND	89.2	53-141			
Dibromochloromethane	460.0	10.0	ug/L	501	ND	91.9	74-122			
1,2-Dibromoethane	472.1	10.0	ug/L	502	ND	94.0	66-127			
Chlorobenzene	468.6	10.0	ug/L	501	ND	93.6	76-116			
1,1,1,2-Tetrachloroethane	469.5	10.0	ug/L	503	ND	93.3	77-121			
Ethylbenzene	484.7	10.0	ug/L	502	ND	96.6	73-124			
Xylenes, total	1473	20.0	ug/L	1510	ND	97.5	75-123			
Styrene	499.4	10.0	ug/L	504	ND	99.1	70-120			
Bromoform	464.9	10.0	ug/L	501	ND	92.8	70-124			
1,2,3-Trichloropropane	444.0	10.0	ug/L	503	ND	88.2	62-135			
trans-1,4-Dichloro-2-butene	846.7	50.0	ug/L	1000	ND	84.7	50-120			
1,1,2,2-Tetrachloroethane	453.8	10.0	ug/L	501	ND	90.6	63-126			
1,4-Dichlorobenzene	455.2	10.0	ug/L	501	ND	90.8	72-119			
1,2-Dichlorobenzene	470.1	10.0	ug/L	501	ND	93.8	71-117			
1,2-Dibromo-3-chloropropane	417.2	50.0	ug/L	501	ND	83.2	49-134			
Surrogate: Dibromofluoromethane	*438*		ug/L	*502*		*87.3*	*57-128*			
Surrogate: Dibromofluoromethane	*438*		ug/L	*502*		*87.3*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*406*		ug/L	*504*		*80.6*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*406*		ug/L	*504*		*80.6*	*61-142*			
Surrogate: Toluene-d8	*493*		ug/L	*505*		*97.7*	*82-116*			
Surrogate: Toluene-d8	*493*		ug/L	*505*		*97.7*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*499*		ug/L	*502*		*99.4*	*80-116*			
Surrogate: 4-Bromofluorobenzene	*499*		ug/L	*502*		*99.4*	*77-114*			
Matrix Spike Dup (1IJ0685-MSD1)	**Source: 1IJ1035-02**	Prepared: 10/10/25 00:00 Analyzed: 10/10/25 19:29								
Chloromethane	232.9	10.0	ug/L	303	ND	76.8	61-152	4.04	26	
Vinyl Chloride	254.2	10.0	ug/L	302	ND	84.0	66-149	3.78	23	
Bromomethane	264.3	10.0	ug/L	301	ND	87.7	43-171	0.491	29	
Chloroethane	242.1	10.0	ug/L	303	ND	79.9	69-148	3.29	25	

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0685 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IJ0685-MSD1)	**Source: 1IJ1035-02**	Prepared: 10/10/25 00:00 Analyzed: 10/10/25 19:29								
Trichlorofluoromethane	241.3	10.0	ug/L	303	ND	79.6	62-163	4.50	25	
1,1-Dichloroethylene	412.5	10.0	ug/L	501	ND	82.3	70-148	1.64	22	
Acetone	839.6	100	ug/L	1000	ND	84.0	45-173	1.38	30	
Methyl Iodide	902.7	10.0	ug/L	1000	ND	90.3	62-167	4.14	24	
Carbon Disulfide	839.1	10.0	ug/L	1000	ND	83.9	71-163	2.52	22	
Methylene Chloride	455.6	50.0	ug/L	501	ND	90.9	69-140	0.0439	19	
Acrylonitrile	389.7	50.0	ug/L	504	ND	77.4	32-159	0.767	30	
trans-1,2-Dichloroethylene	399.9	10.0	ug/L	501	ND	79.8	69-144	1.61	22	
1,1-Dichloroethane	402.3	10.0	ug/L	501	ND	80.3	70-138	0.323	20	
Vinyl Acetate	1307	50.0	ug/L	1420	ND	91.7	58-142	1.81	24	
cis-1,2-Dichloroethylene	424.7	10.0	ug/L	504	ND	84.3	68-151	0.306	22	
2-Butanone (MEK)	853.1	100	ug/L	1000	ND	85.3	50-160	9.18	23	
Bromochloromethane	437.8	10.0	ug/L	504	ND	86.9	65-143	0.252	22	
Chloroform	399.2	10.0	ug/L	501	ND	79.7	71-143	1.54	21	
1,1,1-Trichloroethane	418.5	10.0	ug/L	501	ND	83.5	63-133	2.52	23	
Carbon Tetrachloride	426.5	10.0	ug/L	501	ND	85.1	63-142	2.66	22	
Benzene	451.0	10.0	ug/L	504	ND	89.4	69-133	2.15	18	
1,2-Dichloroethane	399.2	10.0	ug/L	501	ND	79.7	63-138	1.29	20	
Trichloroethylene	464.3	10.0	ug/L	501	ND	92.7	71-133	2.11	23	
1,2-Dichloropropane	435.7	10.0	ug/L	501	ND	87.0	69-132	1.16	20	
Dibromomethane	429.2	10.0	ug/L	504	ND	85.2	70-147	0.511	22	
Bromodichloromethane	441.2	10.0	ug/L	501	ND	88.1	67-130	0.113	21	
cis-1,3-Dichloropropene	453.4	10.0	ug/L	501	ND	90.5	61-126	0.922	21	
4-Methyl-2-pentanone (MIBK)	898.9	50.0	ug/L	1000	ND	89.9	55-147	0.853	23	
Toluene	456.7	10.0	ug/L	505	ND	90.5	71-133	2.17	19	
trans-1,3-Dichloropropene	447.5	10.0	ug/L	501	ND	89.4	63-124	1.04	21	
1,1,2-Trichloroethane	464.7	10.0	ug/L	501	ND	92.8	69-133	0.583	19	
Tetrachloroethylene	482.7	10.0	ug/L	501	ND	96.4	70-124	1.44	24	
2-Hexanone (MBK)	898.2	50.0	ug/L	1000	ND	89.8	53-141	0.749	24	
Dibromochloromethane	464.0	10.0	ug/L	501	ND	92.7	74-122	0.866	21	
1,2-Dibromoethane	469.8	10.0	ug/L	502	ND	93.5	66-127	0.488	23	
Chlorobenzene	461.1	10.0	ug/L	501	ND	92.1	76-116	1.61	21	
1,1,1,2-Tetrachloroethane	458.0	10.0	ug/L	503	ND	91.0	77-121	2.48	25	
Ethylbenzene	476.5	10.0	ug/L	502	ND	95.0	73-124	1.71	20	
Xylenes, total	1446	20.0	ug/L	1510	ND	95.7	75-123	1.88	20	
Styrene	492.1	10.0	ug/L	504	ND	97.7	70-120	1.47	23	
Bromoform	465.4	10.0	ug/L	501	ND	92.9	70-124	0.107	22	
1,2,3-Trichloropropane	447.5	10.0	ug/L	503	ND	88.9	62-135	0.785	28	
trans-1,4-Dichloro-2-butene	838.8	50.0	ug/L	1000	ND	83.9	50-120	0.937	26	
1,1,2,2-Tetrachloroethane	454.1	10.0	ug/L	501	ND	90.6	63-126	0.0661	24	
1,4-Dichlorobenzene	457.5	10.0	ug/L	501	ND	91.3	72-119	0.504	24	
1,2-Dichlorobenzene	470.2	10.0	ug/L	501	ND	93.9	71-117	0.0213	24	
1,2-Dibromo-3-chloropropane	403.8	50.0	ug/L	501	ND	80.6	49-134	3.26	28	

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0685 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IJ0685-MSD1)	**Source: 1IJ1035-02**		Prepared: 10/10/25 00:00 Analyzed: 10/10/25 19:29							
Surrogate: Dibromofluoromethane	*439*		ug/L	*502*		*87.4*	*57-128*			
Surrogate: Dibromofluoromethane	*439*		ug/L	*502*		*87.4*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*407*		ug/L	*504*		*80.9*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*407*		ug/L	*504*		*80.9*	*61-142*			
Surrogate: Toluene-d8	*486*		ug/L	*505*		*96.4*	*82-116*			
Surrogate: Toluene-d8	*486*		ug/L	*505*		*96.4*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*490*		ug/L	*502*		*97.6*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*490*		ug/L	*502*		*97.6*	*80-116*			
Batch 1IJ0778 - EPA 5030B - EPA 8260D										
Blank (1IJ0778-BLK1)			Prepared: 10/13/25 00:00 Analyzed: 10/13/25 11:35							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	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							
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							

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0778 - EPA 5030B - EPA 8260D										
Blank (1IJ0778-BLK1)			Prepared: 10/13/25 00:00 Analyzed: 10/13/25 11:35							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	*46.3*		ug/L	*50.2*		*92.2*	*57-128*			
Surrogate: Dibromofluoromethane	*46.3*		ug/L	*50.2*		*92.2*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*49.8*		ug/L	*50.4*		*98.8*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*49.8*		ug/L	*50.4*		*98.8*	*61-142*			
Surrogate: Toluene-d8	*49.6*		ug/L	*50.5*		*98.2*	*82-116*			
Surrogate: Toluene-d8	*49.6*		ug/L	*50.5*		*98.2*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*54.3*		ug/L	*50.2*		*108*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*54.3*		ug/L	*50.2*		*108*	*80-116*			
LCS (1IJ0778-BS1)			Prepared: 10/13/25 00:00 Analyzed: 10/13/25 18:10							
1,1-Dichloroethylene	56.46	1.0	ug/L	50.1		113	70-148			
Acetone	118.0	10.0	ug/L	100		118	43-172			
Carbon Disulfide	102.5	1.0	ug/L	100		103	72-162			
Methylene Chloride	50.68	5.0	ug/L	50.1		101	68-142			
Acrylonitrile	59.55	5.0	ug/L	50.4		118	33-163			
trans-1,2-Dichloroethylene	56.84	1.0	ug/L	50.1		113	66-148			
1,1-Dichloroethane	54.37	1.0	ug/L	50.1		109	66-143			
cis-1,2-Dichloroethylene	53.51	1.0	ug/L	50.4		106	71-149			
2-Butanone (MEK)	110.8	10.0	ug/L	100		111	52-159			
Bromochloromethane	55.10	1.0	ug/L	50.4		109	69-143			
Chloroform	51.57	1.0	ug/L	50.1		103	69-144			
1,1,1-Trichloroethane	53.89	1.0	ug/L	50.1		108	62-129			
Carbon Tetrachloride	57.43	1.0	ug/L	50.1		115	63-141			
Benzene	53.21	1.0	ug/L	50.4		106	71-134			
1,2-Dichloroethane	54.36	1.0	ug/L	50.1		109	72-132			
Trichloroethylene	57.78	1.0	ug/L	50.1		115	71-135			
1,2-Dichloropropane	53.02	1.0	ug/L	50.1		106	69-136			
Dibromomethane	46.32	1.0	ug/L	50.4		92.0	73-147			
Bromodichloromethane	53.94	1.0	ug/L	50.1		108	68-129			
cis-1,3-Dichloropropene	45.17	1.0	ug/L	50.1		90.2	65-134			
4-Methyl-2-pentanone (MIBK)	110.7	5.0	ug/L	100		111	58-147			
Toluene	52.83	1.0	ug/L	50.5		105	72-133			
trans-1,3-Dichloropropene	49.98	1.0	ug/L	50.1		99.8	67-130			
1,1,2-Trichloroethane	54.61	1.0	ug/L	50.1		109	69-135			
Tetrachloroethylene	54.96	1.0	ug/L	50.1		110	69-130			
2-Hexanone (MBK)	108.8	5.0	ug/L	100		109	55-144			

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0778 - EPA 5030B - EPA 8260D										
LCS (1IJ0778-BS1)			Prepared: 10/13/25 00:00 Analyzed: 10/13/25 18:10							
Dibromochloromethane	47.39	1.0	ug/L	50.1		94.6	73-127			
1,2-Dibromoethane	51.84	1.0	ug/L	50.2		103	67-132			
Chlorobenzene	52.63	1.0	ug/L	50.1		105	72-123			
1,1,1,2-Tetrachloroethane	50.36	1.0	ug/L	50.3		100	73-127			
Ethylbenzene	52.13	1.0	ug/L	50.2		104	71-127			
Xylenes, total	158.4	2.0	ug/L	151		105	74-127			
Styrene	51.30	1.0	ug/L	50.4		102	66-126			
Bromoform	50.63	1.0	ug/L	50.1		101	68-130			
1,2,3-Trichloropropane	51.49	1.0	ug/L	50.3		102	63-136			
trans-1,4-Dichloro-2-butene	91.56	5.0	ug/L	100		91.6	54-134			
1,1,2,2-Tetrachloroethane	47.89	1.0	ug/L	50.1		95.6	61-131			
1,4-Dichlorobenzene	52.52	1.0	ug/L	50.1		105	70-129			
1,2-Dichlorobenzene	51.59	1.0	ug/L	50.1		103	69-126			
1,2-Dibromo-3-chloropropane	50.03	5.0	ug/L	50.1		99.8	50-143			
Surrogate: Dibromofluoromethane	*48.6*		ug/L	*50.2*		*96.9*	*57-128*			
Surrogate: Dibromofluoromethane	*48.6*		ug/L	*50.2*		*96.9*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*49.6*		ug/L	*50.4*		*98.6*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*49.6*		ug/L	*50.4*		*98.6*	*61-142*			
Surrogate: Toluene-d8	*48.7*		ug/L	*50.5*		*96.4*	*82-116*			
Surrogate: Toluene-d8	*48.7*		ug/L	*50.5*		*96.4*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*54.8*		ug/L	*50.2*		*109*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*54.8*		ug/L	*50.2*		*109*	*80-116*			
LCS Dup (1IJ0778-BSD1)			Prepared: 10/13/25 00:00 Analyzed: 10/13/25 18:33							
1,1-Dichloroethylene	55.23	1.0	ug/L	50.1		110	70-148	2.20	24	
Acetone	115.6	10.0	ug/L	100		116	43-172	2.01	30	
Carbon Disulfide	101.6	1.0	ug/L	100		102	72-162	0.902	24	
Methylene Chloride	50.62	5.0	ug/L	50.1		101	68-142	0.118	21	
Acrylonitrile	57.84	5.0	ug/L	50.4		115	33-163	2.91	28	
trans-1,2-Dichloroethylene	54.91	1.0	ug/L	50.1		110	66-148	3.45	27	
1,1-Dichloroethane	52.47	1.0	ug/L	50.1		105	66-143	3.56	24	
cis-1,2-Dichloroethylene	51.42	1.0	ug/L	50.4		102	71-149	3.98	26	
2-Butanone (MEK)	110.7	10.0	ug/L	100		111	52-159	0.0723	27	
Bromochloromethane	54.19	1.0	ug/L	50.4		108	69-143	1.67	23	
Chloroform	50.83	1.0	ug/L	50.1		101	69-144	1.45	23	
1,1,1-Trichloroethane	52.06	1.0	ug/L	50.1		104	62-129	3.45	24	
Carbon Tetrachloride	56.07	1.0	ug/L	50.1		112	63-141	2.40	25	
Benzene	51.82	1.0	ug/L	50.4		103	71-134	2.65	24	
1,2-Dichloroethane	54.02	1.0	ug/L	50.1		108	72-132	0.627	24	
Trichloroethylene	57.01	1.0	ug/L	50.1		114	71-135	1.34	24	
1,2-Dichloropropane	52.70	1.0	ug/L	50.1		105	69-136	0.605	24	
Dibromomethane	46.76	1.0	ug/L	50.4		92.8	73-147	0.945	25	
Bromodichloromethane	52.96	1.0	ug/L	50.1		106	68-129	1.83	22	
cis-1,3-Dichloropropene	44.90	1.0	ug/L	50.1		89.6	65-134	0.600	23	

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0778 - EPA 5030B - EPA 8260D										
LCS Dup (1IJ0778-BSD1)			Prepared: 10/13/25 00:00 Analyzed: 10/13/25 18:33							
4-Methyl-2-pentanone (MIBK)	109.1	5.0	ug/L	100		109	58-147	1.46	27	
Toluene	51.55	1.0	ug/L	50.5		102	72-133	2.45	24	
trans-1,3-Dichloropropene	50.23	1.0	ug/L	50.1		100	67-130	0.499	24	
1,1,2-Trichloroethane	53.59	1.0	ug/L	50.1		107	69-135	1.89	23	
Tetrachloroethylene	54.06	1.0	ug/L	50.1		108	69-130	1.65	25	
2-Hexanone (MBK)	108.6	5.0	ug/L	100		109	55-144	0.0920	25	
Dibromochloromethane	47.48	1.0	ug/L	50.1		94.8	73-127	0.190	22	
1,2-Dibromoethane	53.27	1.0	ug/L	50.2		106	67-132	2.72	24	
Chlorobenzene	52.12	1.0	ug/L	50.1		104	72-123	0.974	23	
1,1,1,2-Tetrachloroethane	50.40	1.0	ug/L	50.3		100	73-127	0.0794	24	
Ethylbenzene	50.88	1.0	ug/L	50.2		101	71-127	2.43	26	
Xylenes, total	155.9	2.0	ug/L	151		103	74-127	1.63	25	
Styrene	50.70	1.0	ug/L	50.4		101	66-126	1.18	23	
Bromoform	51.10	1.0	ug/L	50.1		102	68-130	0.924	23	
1,2,3-Trichloropropane	52.44	1.0	ug/L	50.3		104	63-136	1.83	24	
trans-1,4-Dichloro-2-butene	92.30	5.0	ug/L	100		92.3	54-134	0.805	27	
1,1,2,2-Tetrachloroethane	47.99	1.0	ug/L	50.1		95.8	61-131	0.209	29	
1,4-Dichlorobenzene	52.51	1.0	ug/L	50.1		105	70-129	0.0190	24	
1,2-Dichlorobenzene	51.62	1.0	ug/L	50.1		103	69-126	0.0581	26	
1,2-Dibromo-3-chloropropane	50.81	5.0	ug/L	50.1		101	50-143	1.55	30	
Surrogate: Dibromofluoromethane	*48.9*		ug/L	*50.2*		*97.3*	*57-128*			
Surrogate: Dibromofluoromethane	*48.9*		ug/L	*50.2*		*97.3*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*48.6*		ug/L	*50.4*		*96.5*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*48.6*		ug/L	*50.4*		*96.5*	*61-142*			
Surrogate: Toluene-d8	*48.4*		ug/L	*50.5*		*95.8*	*82-116*			
Surrogate: Toluene-d8	*48.4*		ug/L	*50.5*		*95.8*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*54.8*		ug/L	*50.2*		*109*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*54.8*		ug/L	*50.2*		*109*	*80-116*			
Matrix Spike (1IJ0778-MS1)	**Source: 1IJ1035-08**		Prepared: 10/13/25 00:00 Analyzed: 10/13/25 17:24							
1,1-Dichloroethylene	591.5	10.0	ug/L	501	ND	118	70-148			
Acetone	1224	100	ug/L	1000	ND	122	45-173			
Carbon Disulfide	1069	10.0	ug/L	1000	ND	107	71-163			
Methylene Chloride	511.0	50.0	ug/L	501	ND	102	69-140			
Acrylonitrile	597.6	50.0	ug/L	504	ND	119	32-159			
trans-1,2-Dichloroethylene	569.8	10.0	ug/L	501	ND	114	69-144			
1,1-Dichloroethane	544.0	10.0	ug/L	501	ND	109	70-138			
cis-1,2-Dichloroethylene	528.3	10.0	ug/L	504	ND	105	68-151			
2-Butanone (MEK)	1145	100	ug/L	1000	ND	114	50-160			
Bromochloromethane	550.1	10.0	ug/L	504	ND	109	65-143			
Chloroform	510.8	10.0	ug/L	501	ND	102	71-143			
1,1,1-Trichloroethane	540.2	10.0	ug/L	501	ND	108	63-133			
Carbon Tetrachloride	581.4	10.0	ug/L	501	ND	116	63-142			
Benzene	528.1	10.0	ug/L	504	ND	105	69-133			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0778 - EPA 5030B - EPA 8260D										
Matrix Spike (1IJ0778-MS1)	**Source: 1IJ1035-08**	Prepared: 10/13/25 00:00 Analyzed: 10/13/25 17:24								
1,2-Dichloroethane	542.2	10.0	ug/L	501	ND	108	63-138			
Trichloroethylene	573.8	10.0	ug/L	501	ND	115	71-133			
1,2-Dichloropropane	517.0	10.0	ug/L	501	ND	103	69-132			
Dibromomethane	461.5	10.0	ug/L	504	ND	91.6	70-147			
Bromodichloromethane	527.5	10.0	ug/L	501	ND	105	67-130			
cis-1,3-Dichloropropene	446.3	10.0	ug/L	501	ND	89.1	61-126			
4-Methyl-2-pentanone (MIBK)	1097	50.0	ug/L	1000	ND	110	55-147			
Toluene	526.8	10.0	ug/L	505	ND	104	71-133			
trans-1,3-Dichloropropene	488.0	10.0	ug/L	501	ND	97.5	63-124			
1,1,2-Trichloroethane	545.2	10.0	ug/L	501	ND	109	69-133			
Tetrachloroethylene	562.3	10.0	ug/L	501	ND	112	70-124			
2-Hexanone (MBK)	1084	50.0	ug/L	1000	ND	108	53-141			
Dibromochloromethane	464.6	10.0	ug/L	501	ND	92.8	74-122			
1,2-Dibromoethane	524.4	10.0	ug/L	502	ND	104	66-127			
Chlorobenzene	518.2	10.0	ug/L	501	ND	103	76-116			
1,1,1,2-Tetrachloroethane	496.6	10.0	ug/L	503	ND	98.6	77-121			
Ethylbenzene	520.9	10.0	ug/L	502	ND	104	73-124			
Xylenes, total	1587	20.0	ug/L	1510	ND	105	75-123			
Styrene	512.0	10.0	ug/L	504	ND	102	70-120			
Bromoform	497.1	10.0	ug/L	501	ND	99.2	70-124			
1,2,3-Trichloropropane	526.2	10.0	ug/L	503	ND	105	62-135			
trans-1,4-Dichloro-2-butene	920.1	50.0	ug/L	1000	ND	92.0	50-120			
1,1,2,2-Tetrachloroethane	490.9	10.0	ug/L	501	ND	98.0	63-126			
1,4-Dichlorobenzene	524.0	10.0	ug/L	501	ND	105	72-119			
1,2-Dichlorobenzene	515.6	10.0	ug/L	501	ND	103	71-117			
1,2-Dibromo-3-chloropropane	501.3	50.0	ug/L	501	ND	100	49-134			
Surrogate: Dibromofluoromethane	*489*		ug/L	*502*		*97.3*	*57-128*			
Surrogate: Dibromofluoromethane	*489*		ug/L	*502*		*97.3*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*492*		ug/L	*504*		*97.8*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*492*		ug/L	*504*		*97.8*	*61-142*			
Surrogate: Toluene-d8	*489*		ug/L	*505*		*97.0*	*82-116*			
Surrogate: Toluene-d8	*489*		ug/L	*505*		*97.0*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*550*		ug/L	*502*		*110*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*550*		ug/L	*502*		*110*	*80-116*			
Matrix Spike Dup (1IJ0778-MSD1)	**Source: 1IJ1035-08**	Prepared: 10/13/25 00:00 Analyzed: 10/13/25 17:47								
1,1-Dichloroethylene	562.3	10.0	ug/L	501	ND	112	70-148	5.06	22	
Acetone	1203	100	ug/L	1000	ND	120	45-173	1.71	30	
Carbon Disulfide	1005	10.0	ug/L	1000	ND	100	71-163	6.21	22	
Methylene Chloride	491.3	50.0	ug/L	501	ND	98.1	69-140	3.93	19	
Acrylonitrile	602.3	50.0	ug/L	504	ND	120	32-159	0.783	30	
trans-1,2-Dichloroethylene	545.0	10.0	ug/L	501	ND	109	69-144	4.45	22	
1,1-Dichloroethane	514.8	10.0	ug/L	501	ND	103	70-138	5.52	20	
cis-1,2-Dichloroethylene	507.0	10.0	ug/L	504	ND	101	68-151	4.11	22	

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0778 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IJ0778-MSD1)	**Source: 1IJ1035-08**	Prepared: 10/13/25 00:00 Analyzed: 10/13/25 17:47								
2-Butanone (MEK)	1124	100	ug/L	1000	ND	112	50-160	1.82	23	
Bromochloromethane	536.2	10.0	ug/L	504	ND	106	65-143	2.56	22	
Chloroform	492.9	10.0	ug/L	501	ND	98.4	71-143	3.57	21	
1,1,1-Trichloroethane	522.3	10.0	ug/L	501	ND	104	63-133	3.37	23	
Carbon Tetrachloride	558.6	10.0	ug/L	501	ND	112	63-142	4.00	22	
Benzene	516.2	10.0	ug/L	504	ND	102	69-133	2.28	18	
1,2-Dichloroethane	537.3	10.0	ug/L	501	ND	107	63-138	0.908	20	
Trichloroethylene	548.0	10.0	ug/L	501	ND	109	71-133	4.60	23	
1,2-Dichloropropane	516.3	10.0	ug/L	501	ND	103	69-132	0.135	20	
Dibromomethane	464.2	10.0	ug/L	504	ND	92.2	70-147	0.583	22	
Bromodichloromethane	523.9	10.0	ug/L	501	ND	105	67-130	0.685	21	
cis-1,3-Dichloropropene	439.7	10.0	ug/L	501	ND	87.8	61-126	1.49	21	
4-Methyl-2-pentanone (MIBK)	1099	50.0	ug/L	1000	ND	110	55-147	0.200	23	
Toluene	509.1	10.0	ug/L	505	ND	101	71-133	3.42	19	
trans-1,3-Dichloropropene	496.3	10.0	ug/L	501	ND	99.1	63-124	1.69	21	
1,1,2-Trichloroethane	541.3	10.0	ug/L	501	ND	108	69-133	0.718	19	
Tetrachloroethylene	530.1	10.0	ug/L	501	ND	106	70-124	5.90	24	
2-Hexanone (MBK)	1088	50.0	ug/L	1000	ND	109	53-141	0.359	24	
Dibromochloromethane	461.2	10.0	ug/L	501	ND	92.1	74-122	0.734	21	
1,2-Dibromoethane	513.8	10.0	ug/L	502	ND	102	66-127	2.04	23	
Chlorobenzene	506.2	10.0	ug/L	501	ND	101	76-116	2.34	21	
1,1,1,2-Tetrachloroethane	488.5	10.0	ug/L	503	ND	97.0	77-121	1.64	25	
Ethylbenzene	504.1	10.0	ug/L	502	ND	100	73-124	3.28	20	
Xylenes, total	1532	20.0	ug/L	1510	ND	101	75-123	3.50	20	
Styrene	496.8	10.0	ug/L	504	ND	98.6	70-120	3.01	23	
Bromoform	503.5	10.0	ug/L	501	ND	100	70-124	1.28	22	
1,2,3-Trichloropropane	524.2	10.0	ug/L	503	ND	104	62-135	0.381	28	
trans-1,4-Dichloro-2-butene	902.8	50.0	ug/L	1000	ND	90.3	50-120	1.90	26	
1,1,2,2-Tetrachloroethane	482.9	10.0	ug/L	501	ND	96.4	63-126	1.64	24	
1,4-Dichlorobenzene	509.8	10.0	ug/L	501	ND	102	72-119	2.75	24	
1,2-Dichlorobenzene	506.8	10.0	ug/L	501	ND	101	71-117	1.72	24	
1,2-Dibromo-3-chloropropane	509.3	50.0	ug/L	501	ND	102	49-134	1.58	28	
Surrogate: Dibromofluoromethane	*483*		ug/L	*502*		*96.3*	*57-128*			
Surrogate: Dibromofluoromethane	*483*		ug/L	*502*		*96.3*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*491*		ug/L	*504*		*97.4*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*491*		ug/L	*504*		*97.4*	*61-142*			
Surrogate: Toluene-d8	*493*		ug/L	*505*		*97.7*	*82-116*			
Surrogate: Toluene-d8	*493*		ug/L	*505*		*97.7*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*553*		ug/L	*502*		*110*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*553*		ug/L	*502*		*110*	*80-116*			
Batch 1IJ1089 - EPA 5030B - EPA 8260D										
Blank (1IJ1089-BLK1)	Prepared: 10/17/25 00:00 Analyzed: 10/17/25 13:12									

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1089 - EPA 5030B - EPA 8260D										
Blank (1IJ1089-BLK1)				Prepared: 10/17/25 00:00 Analyzed: 10/17/25 13:12						
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1089 - EPA 5030B - EPA 8260D										
Blank (1IJ1089-BLK1)			Prepared: 10/17/25 00:00 Analyzed: 10/17/25 13:12							
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	*45.6*		ug/L	*50.2*		*90.9*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*56.0*		ug/L	*50.4*		*111*	*61-142*			
Surrogate: Toluene-d8	*51.4*		ug/L	*50.5*		*102*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*50.8*		ug/L	*50.2*		*101*	*80-116*			
LCS (1IJ1089-BS1)			Prepared: 10/17/25 00:00 Analyzed: 10/17/25 12:03							
Chloromethane	28.41	1.0	ug/L	30.3		93.7	63-155			
Vinyl Chloride	34.96	1.0	ug/L	30.2		116	70-154			
Bromomethane	25.63	1.0	ug/L	30.1		85.1	52-176			
Chloroethane	26.52	1.0	ug/L	30.3		87.5	72-148			
Trichlorofluoromethane	29.27	1.0	ug/L	30.3		96.6	70-152			
1,1-Dichloroethylene	57.16	1.0	ug/L	50.1		114	70-148			
Acetone	101.6	10.0	ug/L	100		102	43-172			
Methyl Iodide	101.0	1.0	ug/L	100		101	69-170			
Carbon Disulfide	96.49	1.0	ug/L	100		96.5	72-162			
Methylene Chloride	46.86	5.0	ug/L	50.1		93.5	68-142			
trans-1,2-Dichloroethylene	56.20	1.0	ug/L	50.1		112	66-148			
1,1-Dichloroethane	53.09	1.0	ug/L	50.1		106	66-143			
Vinyl Acetate	132.7	5.0	ug/L	142		93.1	43-153			
cis-1,2-Dichloroethylene	47.30	1.0	ug/L	50.4		93.9	71-149			
2-Butanone (MEK)	126.8	10.0	ug/L	100		127	52-159			
Bromochloromethane	60.20	1.0	ug/L	50.4		119	69-143			
Chloroform	49.27	1.0	ug/L	50.1		98.4	69-144			
1,1,1-Trichloroethane	48.91	1.0	ug/L	50.1		97.6	62-129			
Carbon Tetrachloride	52.03	1.0	ug/L	50.1		104	63-141			
Benzene	51.16	1.0	ug/L	50.4		101	71-134			
1,2-Dichloroethane	63.09	1.0	ug/L	50.1		126	72-132			
Trichloroethylene	51.31	1.0	ug/L	50.1		102	71-135			
1,2-Dichloropropane	53.04	1.0	ug/L	50.1		106	69-136			
Dibromomethane	47.41	1.0	ug/L	50.4		94.1	73-147			
Bromodichloromethane	53.43	1.0	ug/L	50.1		107	68-129			
cis-1,3-Dichloropropene	44.33	1.0	ug/L	50.1		88.5	65-134			
4-Methyl-2-pentanone (MIBK)	127.9	5.0	ug/L	100		128	58-147			
Toluene	50.36	1.0	ug/L	50.5		99.8	72-133			
trans-1,3-Dichloropropene	51.17	1.0	ug/L	50.1		102	67-130			
1,1,2-Trichloroethane	51.78	1.0	ug/L	50.1		103	69-135			
Tetrachloroethylene	48.50	1.0	ug/L	50.1		96.8	69-130			
2-Hexanone (MBK)	124.7	5.0	ug/L	100		125	55-144			
Dibromochloromethane	43.01	1.0	ug/L	50.1		85.9	73-127			
1,2-Dibromoethane	47.62	1.0	ug/L	50.2		94.8	67-132			

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1089 - EPA 5030B - EPA 8260D										
LCS (1IJ1089-BS1)			Prepared: 10/17/25 00:00 Analyzed: 10/17/25 12:03							
Chlorobenzene	47.21	1.0	ug/L	50.1		94.3	72-123			
1,1,1,2-Tetrachloroethane	45.26	1.0	ug/L	50.3		89.9	73-127			
Ethylbenzene	51.09	1.0	ug/L	50.2		102	71-127			
Xylenes, total	158.0	2.0	ug/L	151		105	74-127			
Styrene	48.86	1.0	ug/L	50.4		97.0	66-126			
Bromoform	48.36	1.0	ug/L	50.1		96.5	68-130			
1,2,3-Trichloropropane	50.53	1.0	ug/L	50.3		100	63-136			
trans-1,4-Dichloro-2-butene	107.8	5.0	ug/L	100		108	54-134			
1,1,2,2-Tetrachloroethane	49.83	1.0	ug/L	50.1		99.5	61-131			
1,4-Dichlorobenzene	46.72	1.0	ug/L	50.1		93.2	70-129			
1,2-Dichlorobenzene	45.73	1.0	ug/L	50.1		91.3	69-126			
1,2-Dibromo-3-chloropropane	43.19	5.0	ug/L	50.1		86.2	50-143			
Surrogate: Dibromofluoromethane	*48.0*		ug/L	*50.2*		*95.6*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*58.5*		ug/L	*50.4*		*116*	*61-142*			
Surrogate: Toluene-d8	*51.6*		ug/L	*50.5*		*102*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*57.2*		ug/L	*50.2*		*114*	*80-116*			
LCS Dup (1IJ1089-BSD1)			Prepared: 10/17/25 00:00 Analyzed: 10/17/25 12:26							
Chloromethane	28.02	1.0	ug/L	30.3		92.4	63-155	1.38	24	
Vinyl Chloride	34.90	1.0	ug/L	30.2		115	70-154	0.172	25	
Bromomethane	24.36	1.0	ug/L	30.1		80.9	52-176	5.08	27	
Chloroethane	25.37	1.0	ug/L	30.3		83.7	72-148	4.43	25	
Trichlorofluoromethane	28.82	1.0	ug/L	30.3		95.1	70-152	1.55	26	
1,1-Dichloroethylene	56.35	1.0	ug/L	50.1		112	70-148	1.43	24	
Acetone	124.5	10.0	ug/L	100		124	43-172	20.3	30	
Methyl Iodide	100.6	1.0	ug/L	100		101	69-170	0.407	30	
Carbon Disulfide	94.39	1.0	ug/L	100		94.4	72-162	2.20	24	
Methylene Chloride	45.33	5.0	ug/L	50.1		90.5	68-142	3.32	21	
trans-1,2-Dichloroethylene	55.24	1.0	ug/L	50.1		110	66-148	1.72	27	
1,1-Dichloroethane	53.26	1.0	ug/L	50.1		106	66-143	0.320	24	
Vinyl Acetate	140.3	5.0	ug/L	142		98.4	43-153	5.55	30	
cis-1,2-Dichloroethylene	45.93	1.0	ug/L	50.4		91.2	71-149	2.94	26	
2-Butanone (MEK)	123.4	10.0	ug/L	100		123	52-159	2.69	27	
Bromochloromethane	57.70	1.0	ug/L	50.4		114	69-143	4.24	23	
Chloroform	47.05	1.0	ug/L	50.1		93.9	69-144	4.61	23	
1,1,1-Trichloroethane	48.43	1.0	ug/L	50.1		96.6	62-129	0.986	24	
Carbon Tetrachloride	51.29	1.0	ug/L	50.1		102	63-141	1.43	25	
Benzene	50.96	1.0	ug/L	50.4		101	71-134	0.392	24	
1,2-Dichloroethane	60.80	1.0	ug/L	50.1		121	72-132	3.70	24	
Trichloroethylene	51.51	1.0	ug/L	50.1		103	71-135	0.389	24	
1,2-Dichloropropane	53.76	1.0	ug/L	50.1		107	69-136	1.35	24	
Dibromomethane	44.94	1.0	ug/L	50.4		89.2	73-147	5.35	25	
Bromodichloromethane	52.61	1.0	ug/L	50.1		105	68-129	1.55	22	

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1089 - EPA 5030B - EPA 8260D										
LCS Dup (1IJ1089-BSD1)			Prepared: 10/17/25 00:00 Analyzed: 10/17/25 12:26							
cis-1,3-Dichloropropene	43.28	1.0	ug/L	50.1		86.4	65-134	2.40	23	
4-Methyl-2-pentanone (MIBK)	126.3	5.0	ug/L	100		126	58-147	1.29	27	
Toluene	50.45	1.0	ug/L	50.5		100	72-133	0.179	24	
trans-1,3-Dichloropropene	50.68	1.0	ug/L	50.1		101	67-130	0.962	24	
1,1,2-Trichloroethane	49.93	1.0	ug/L	50.1		99.7	69-135	3.64	23	
Tetrachloroethylene	47.77	1.0	ug/L	50.1		95.4	69-130	1.52	25	
2-Hexanone (MBK)	120.6	5.0	ug/L	100		121	55-144	3.33	25	
Dibromochloromethane	41.69	1.0	ug/L	50.1		83.3	73-127	3.12	22	
1,2-Dibromoethane	46.84	1.0	ug/L	50.2		93.3	67-132	1.65	24	
Chlorobenzene	46.60	1.0	ug/L	50.1		93.0	72-123	1.30	23	
1,1,1,2-Tetrachloroethane	46.00	1.0	ug/L	50.3		91.4	73-127	1.62	24	
Ethylbenzene	50.74	1.0	ug/L	50.2		101	71-127	0.687	26	
Xylenes, total	158.0	2.0	ug/L	151		105	74-127	0.0127	25	
Styrene	49.47	1.0	ug/L	50.4		98.2	66-126	1.24	23	
Bromoform	46.39	1.0	ug/L	50.1		92.6	68-130	4.16	23	
1,2,3-Trichloropropane	47.69	1.0	ug/L	50.3		94.7	63-136	5.78	24	
trans-1,4-Dichloro-2-butene	106.7	5.0	ug/L	100		107	54-134	1.02	27	
1,1,2,2-Tetrachloroethane	49.13	1.0	ug/L	50.1		98.1	61-131	1.41	29	
1,4-Dichlorobenzene	47.78	1.0	ug/L	50.1		95.3	70-129	2.24	24	
1,2-Dichlorobenzene	46.80	1.0	ug/L	50.1		93.4	69-126	2.31	26	
1,2-Dibromo-3-chloropropane	41.91	5.0	ug/L	50.1		83.6	50-143	3.01	30	
Surrogate: Dibromofluoromethane	*46.1*		ug/L	*50.2*		*91.8*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*55.6*		ug/L	*50.4*		*110*	*61-142*			
Surrogate: Toluene-d8	*51.7*		ug/L	*50.5*		*102*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*56.4*		ug/L	*50.2*		*112*	*80-116*			
Matrix Spike (1IJ1089-MS1)		**Source: 1IJ1387-01**	Prepared: 10/17/25 00:00 Analyzed: 10/17/25 21:11							
Chloromethane	292.9	10.0	ug/L	303	ND	96.6	61-152			
Vinyl Chloride	574.9	10.0	ug/L	302	ND	190	66-149			M1
Bromomethane	248.8	10.0	ug/L	301	ND	82.6	43-171			
Chloroethane	295.9	10.0	ug/L	303	ND	97.6	69-148			
Trichlorofluoromethane	317.9	10.0	ug/L	303	ND	105	62-163			
1,1-Dichloroethylene	623.7	10.0	ug/L	501	ND	124	70-148			
Acetone	1416	100	ug/L	1000	ND	142	45-173			
Methyl Iodide	1100	10.0	ug/L	1000	ND	110	62-167			
Carbon Disulfide	1051	10.0	ug/L	1000	ND	105	71-163			
Methylene Chloride	484.4	50.0	ug/L	501	ND	96.7	69-140			
trans-1,2-Dichloroethylene	624.6	10.0	ug/L	501	ND	125	69-144			
1,1-Dichloroethane	595.0	10.0	ug/L	501	ND	119	70-138			
Vinyl Acetate	557.3	50.0	ug/L	1420	ND	39.1	58-142			M2
cis-1,2-Dichloroethylene	515.1	10.0	ug/L	504	ND	102	68-151			
2-Butanone (MEK)	1261	100	ug/L	1000	ND	126	50-160			
Bromochloromethane	636.1	10.0	ug/L	504	ND	126	65-143			

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1089 - EPA 5030B - EPA 8260D										
Matrix Spike (1IJ1089-MS1)	**Source: 1IJ1387-01**	Prepared: 10/17/25 00:00 Analyzed: 10/17/25 21:11								
Chloroform	537.0	10.0	ug/L	501	ND	107	71-143			
1,1,1-Trichloroethane	539.0	10.0	ug/L	501	ND	108	63-133			
Carbon Tetrachloride	552.4	10.0	ug/L	501	ND	110	63-142			
Benzene	572.0	10.0	ug/L	504	ND	113	69-133			
1,2-Dichloroethane	640.8	10.0	ug/L	501	ND	128	63-138			
Trichloroethylene	578.1	10.0	ug/L	501	ND	115	71-133			
1,2-Dichloropropane	590.2	10.0	ug/L	501	ND	118	69-132			
Dibromomethane	493.7	10.0	ug/L	504	ND	98.0	70-147			
Bromodichloromethane	568.7	10.0	ug/L	501	ND	114	67-130			
cis-1,3-Dichloropropene	464.6	10.0	ug/L	501	ND	92.8	61-126			
4-Methyl-2-pentanone (MIBK)	1336	50.0	ug/L	1000	ND	134	55-147			
Toluene	569.5	10.0	ug/L	505	ND	113	71-133			
trans-1,3-Dichloropropene	543.5	10.0	ug/L	501	ND	109	63-124			
1,1,2-Trichloroethane	558.1	10.0	ug/L	501	ND	111	69-133			
Tetrachloroethylene	532.7	10.0	ug/L	501	ND	106	70-124			
2-Hexanone (MBK)	1286	50.0	ug/L	1000	ND	129	53-141			
Dibromochloromethane	453.1	10.0	ug/L	501	ND	90.5	74-122			
1,2-Dibromoethane	512.4	10.0	ug/L	502	ND	102	66-127			
Chlorobenzene	522.3	10.0	ug/L	501	ND	104	76-116			
1,1,1,2-Tetrachloroethane	490.1	10.0	ug/L	503	ND	97.3	77-121			
Ethylbenzene	562.3	10.0	ug/L	502	ND	112	73-124			
Xylenes, total	1744	20.0	ug/L	1510	ND	115	75-123			
Styrene	549.8	10.0	ug/L	504	ND	109	70-120			
Bromoform	502.6	10.0	ug/L	501	ND	100	70-124			
1,2,3-Trichloropropane	560.7	10.0	ug/L	503	ND	111	62-135			
trans-1,4-Dichloro-2-butene	1118	50.0	ug/L	1000	ND	112	50-120			
1,1,2,2-Tetrachloroethane	547.1	10.0	ug/L	501	ND	109	63-126			
1,4-Dichlorobenzene	530.9	10.0	ug/L	501	ND	106	72-119			
1,2-Dichlorobenzene	514.9	10.0	ug/L	501	ND	103	71-117			
1,2-Dibromo-3-chloropropane	463.6	50.0	ug/L	501	ND	92.5	49-134			
Surrogate: Dibromofluoromethane	*481*		ug/L	*502*		*95.8*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*569*		ug/L	*504*		*113*	*61-142*			
Surrogate: Toluene-d8	*520*		ug/L	*505*		*103*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*564*		ug/L	*502*		*112*	*80-116*			
Matrix Spike Dup (1IJ1089-MSD1)	**Source: 1IJ1387-01**	Prepared: 10/17/25 00:00 Analyzed: 10/17/25 21:34								
Chloromethane	293.2	10.0	ug/L	303	ND	96.7	61-152	0.102	26	
Vinyl Chloride	556.5	10.0	ug/L	302	ND	184	66-149	3.25	23	M1
Bromomethane	238.3	10.0	ug/L	301	ND	79.1	43-171	4.31	29	
Chloroethane	280.8	10.0	ug/L	303	ND	92.6	69-148	5.24	25	
Trichlorofluoromethane	310.2	10.0	ug/L	303	ND	102	62-163	2.45	25	
1,1-Dichloroethylene	604.4	10.0	ug/L	501	ND	121	70-148	3.14	22	
Acetone	1352	100	ug/L	1000	ND	135	45-173	4.66	30	

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1089 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IJ1089-MSD1)	**Source: 1IJ1387-01**	Prepared: 10/17/25 00:00 Analyzed: 10/17/25 21:34								
Methyl Iodide	1097	10.0	ug/L	1000	ND	110	62-167	0.237	24	
Carbon Disulfide	1019	10.0	ug/L	1000	ND	102	71-163	3.15	22	
Methylene Chloride	474.4	50.0	ug/L	501	ND	94.7	69-140	2.09	19	
trans-1,2-Dichloroethylene	605.9	10.0	ug/L	501	ND	121	69-144	3.04	22	
1,1-Dichloroethane	567.7	10.0	ug/L	501	ND	113	70-138	4.70	20	
Vinyl Acetate	561.2	50.0	ug/L	1420	ND	39.4	58-142	0.697	24	M2
cis-1,2-Dichloroethylene	489.5	10.0	ug/L	504	ND	97.2	68-151	5.10	22	
2-Butanone (MEK)	1250	100	ug/L	1000	ND	125	50-160	0.820	23	
Bromochloromethane	610.0	10.0	ug/L	504	ND	121	65-143	4.19	22	
Chloroform	515.8	10.0	ug/L	501	ND	103	71-143	4.03	21	
1,1,1-Trichloroethane	532.3	10.0	ug/L	501	ND	106	63-133	1.25	23	
Carbon Tetrachloride	535.8	10.0	ug/L	501	ND	107	63-142	3.05	22	
Benzene	533.4	10.0	ug/L	504	ND	106	69-133	6.98	18	
1,2-Dichloroethane	615.9	10.0	ug/L	501	ND	123	63-138	3.96	20	
Trichloroethylene	539.6	10.0	ug/L	501	ND	108	71-133	6.89	23	
1,2-Dichloropropane	545.6	10.0	ug/L	501	ND	109	69-132	7.85	20	
Dibromomethane	463.9	10.0	ug/L	504	ND	92.1	70-147	6.22	22	
Bromodichloromethane	536.5	10.0	ug/L	501	ND	107	67-130	5.83	21	
cis-1,3-Dichloropropene	441.5	10.0	ug/L	501	ND	88.2	61-126	5.10	21	
4-Methyl-2-pentanone (MIBK)	1276	50.0	ug/L	1000	ND	128	55-147	4.62	23	
Toluene	530.2	10.0	ug/L	505	ND	105	71-133	7.15	19	
trans-1,3-Dichloropropene	522.0	10.0	ug/L	501	ND	104	63-124	4.04	21	
1,1,2-Trichloroethane	533.8	10.0	ug/L	501	ND	107	69-133	4.45	19	
Tetrachloroethylene	501.1	10.0	ug/L	501	ND	100	70-124	6.11	24	
2-Hexanone (MBK)	1280	50.0	ug/L	1000	ND	128	53-141	0.421	24	
Dibromochloromethane	435.4	10.0	ug/L	501	ND	87.0	74-122	3.98	21	
1,2-Dibromoethane	487.1	10.0	ug/L	502	ND	97.0	66-127	5.06	23	
Chlorobenzene	488.4	10.0	ug/L	501	ND	97.5	76-116	6.71	21	
1,1,1,2-Tetrachloroethane	479.0	10.0	ug/L	503	ND	95.1	77-121	2.29	25	
Ethylbenzene	531.1	10.0	ug/L	502	ND	106	73-124	5.71	20	
Xylenes, total	1638	20.0	ug/L	1510	ND	108	75-123	6.24	20	
Styrene	516.8	10.0	ug/L	504	ND	103	70-120	6.19	23	
Bromoform	480.0	10.0	ug/L	501	ND	95.8	70-124	4.60	22	
1,2,3-Trichloropropane	515.2	10.0	ug/L	503	ND	102	62-135	8.46	28	
trans-1,4-Dichloro-2-butene	1077	50.0	ug/L	1000	ND	108	50-120	3.78	26	
1,1,2,2-Tetrachloroethane	515.2	10.0	ug/L	501	ND	103	63-126	6.01	24	
1,4-Dichlorobenzene	501.9	10.0	ug/L	501	ND	100	72-119	5.62	24	
1,2-Dichlorobenzene	484.6	10.0	ug/L	501	ND	96.7	71-117	6.06	24	
1,2-Dibromo-3-chloropropane	451.5	50.0	ug/L	501	ND	90.1	49-134	2.64	28	
Surrogate: Dibromofluoromethane	*478*		ug/L	*502*		*95.2*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*581*		ug/L	*504*		*115*	*61-142*			
Surrogate: Toluene-d8	*509*		ug/L	*505*		*101*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*556*		ug/L	*502*		*111*	*80-116*			

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0754 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IJ0754-BLK1)				Prepared: 10/13/25 15:41 Analyzed: 10/14/25 16:23						
Antimony	<0.0010	0.0010	mg/L							B
Arsenic	<0.0020	0.0020	mg/L							
Barium	<0.0010	0.0010	mg/L							
Beryllium	<0.0005	0.0005	mg/L							
Cadmium	<0.0002	0.0002	mg/L							
Chromium	<0.0010	0.0010	mg/L							
Cobalt	<0.0005	0.0005	mg/L							
Copper	<0.0050	0.0050	mg/L							
Lead	<0.0010	0.0010	mg/L							
Nickel	<0.0050	0.0050	mg/L							
Selenium	<0.0020	0.0020	mg/L							
Silver	<0.0050	0.0050	mg/L							
Thallium	<0.0005	0.0005	mg/L							
Vanadium	<0.0020	0.0020	mg/L							
Zinc	<0.0050	0.0050	mg/L							
LCS (1IJ0754-BS1)				Prepared: 10/13/25 15:41 Analyzed: 10/14/25 16:26						
Antimony	0.0973	0.0010	mg/L	0.100		97.3	80-120			
Arsenic	0.0989	0.0020	mg/L	0.100		98.9	80-120			
Barium	0.104	0.0010	mg/L	0.100		104	80-120			
Beryllium	0.0969	0.0005	mg/L	0.100		96.9	80-120			
Cadmium	0.0983	0.0002	mg/L	0.100		98.3	80-120			
Chromium	0.101	0.0010	mg/L	0.100		101	80-120			
Cobalt	0.109	0.0005	mg/L	0.100		109	80-120			
Copper	0.102	0.0050	mg/L	0.100		102	80-120			
Lead	0.100	0.0010	mg/L	0.100		100	80-120			
Nickel	0.100	0.0050	mg/L	0.100		100	80-120			
Selenium	0.0986	0.0020	mg/L	0.100		98.6	80-120			
Silver	0.108	0.0050	mg/L	0.100		108	80-120			
Thallium	0.0979	0.0005	mg/L	0.100		97.9	80-120			
Vanadium	0.105	0.0020	mg/L	0.100		105	80-120			
Zinc	0.105	0.0050	mg/L	0.100		105	80-120			
Matrix Spike (1IJ0754-MS1)	**Source: 1IJ1035-01**			Prepared: 10/13/25 15:41 Analyzed: 10/14/25 16:36						
Antimony	0.0992	0.0010	mg/L	0.100	0.0009	98.3	75-125			
Arsenic	0.101	0.0020	mg/L	0.100	ND	101	75-125			
Barium	0.244	0.0010	mg/L	0.100	0.145	99.0	75-125			
Beryllium	0.102	0.0005	mg/L	0.100	ND	102	75-125			
Cadmium	0.0984	0.0002	mg/L	0.100	ND	98.4	75-125			
Chromium	0.100	0.0010	mg/L	0.100	0.0009	99.6	75-125			
Cobalt	0.105	0.0005	mg/L	0.100	0.0002	105	75-125			
Copper	0.0985	0.0050	mg/L	0.100	ND	98.5	75-125			

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ0754 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike (1IJ0754-MS1)		**Source: 1IJ1035-01**		Prepared: 10/13/25 15:41 Analyzed: 10/14/25 16:36						
Lead	0.102	0.0010	mg/L	0.100	ND	102	75-125			
Nickel	0.0981	0.0050	mg/L	0.100	0.0020	96.1	75-125			
Selenium	0.0983	0.0020	mg/L	0.100	ND	98.3	75-125			
Silver	0.108	0.0050	mg/L	0.100	ND	108	75-125			
Thallium	0.0999	0.0005	mg/L	0.100	ND	99.9	75-125			
Vanadium	0.110	0.0020	mg/L	0.100	ND	110	75-125			
Zinc	0.108	0.0050	mg/L	0.100	0.0080	99.6	75-125			
Matrix Spike Dup (1IJ0754-MSD1)		**Source: 1IJ1035-01**		Prepared: 10/13/25 15:41 Analyzed: 10/14/25 16:39						
Antimony	0.101	0.0010	mg/L	0.100	0.0009	100	75-125	2.19	20	
Arsenic	0.101	0.0020	mg/L	0.100	ND	101	75-125	0.190	20	
Barium	0.253	0.0010	mg/L	0.100	0.145	108	75-125	3.69	20	
Beryllium	0.102	0.0005	mg/L	0.100	ND	102	75-125	0.251	20	
Cadmium	0.100	0.0002	mg/L	0.100	ND	100	75-125	1.89	20	
Chromium	0.105	0.0010	mg/L	0.100	0.0009	104	75-125	3.93	20	
Cobalt	0.103	0.0005	mg/L	0.100	0.0002	102	75-125	2.64	20	
Copper	0.0991	0.0050	mg/L	0.100	ND	99.1	75-125	0.559	20	
Lead	0.101	0.0010	mg/L	0.100	ND	101	75-125	0.835	20	
Nickel	0.0988	0.0050	mg/L	0.100	0.0020	96.9	75-125	0.795	20	
Selenium	0.0993	0.0020	mg/L	0.100	ND	99.3	75-125	1.05	20	
Silver	0.109	0.0050	mg/L	0.100	ND	109	75-125	0.574	20	
Thallium	0.100	0.0005	mg/L	0.100	ND	100	75-125	0.283	20	
Vanadium	0.110	0.0020	mg/L	0.100	ND	110	75-125	0.0919	20	
Zinc	0.107	0.0050	mg/L	0.100	0.0080	98.8	75-125	0.731	20	
Post Spike (1IJ0754-PS1)		**Source: 1IJ1035-01**		Prepared: 10/13/25 15:41 Analyzed: 10/14/25 16:41						
Antimony	0.0206		mg/L	0.0200	0.0009	98.0	80-120			
Arsenic	0.0197		mg/L	0.0200	0.0004	96.5	80-120			
Barium	0.161		mg/L	0.0200	0.145	79.1	80-120			M2
Beryllium	0.0200		mg/L	0.0200	0.00001	99.9	80-120			
Cadmium	0.0191		mg/L	0.0200	-0.000005	95.6	80-120			
Chromium	0.0201		mg/L	0.0200	0.0009	96.2	80-120			
Cobalt	0.0190		mg/L	0.0200	0.0002	93.8	80-120			
Copper	0.0196		mg/L	0.0200	0.0007	94.6	80-120			
Lead	0.0195		mg/L	0.0200	0.00004	97.1	80-120			
Nickel	0.0206		mg/L	0.0200	0.0020	93.4	80-120			
Selenium	0.0185		mg/L	0.0200	0.00004	92.5	80-120			
Silver	0.0211		mg/L	0.0200	0.0002	105	80-120			
Thallium	0.0195		mg/L	0.0200	0.00002	97.4	80-120			
Vanadium	0.0195		mg/L	0.0200	-0.00001	97.3	80-120			
Zinc	0.0273		mg/L	0.0200	0.0080	96.1	80-120			
Batch 1IJ1122 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IJ1122-BLK1)				Prepared: 10/20/25 09:25 Analyzed: 10/20/25 20:27						
Lead	<0.0010	0.0010	mg/L							

CERTIFICATE OF ANALYSIS

1IJ1035

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1122 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (1IJ1122-BS1)			Prepared: 10/20/25 09:25 Analyzed: 10/20/25 20:35							
Lead	0.103	0.0010	mg/L	0.100		103	80-120			
Matrix Spike (1IJ1122-MS1)		**Source: 1IJ1462-01**	Prepared: 10/20/25 09:25 Analyzed: 10/20/25 20:43							
Lead	0.105	0.0010	mg/L	0.100	ND	105	75-125			
Matrix Spike Dup (1IJ1122-MSD1)		**Source: 1IJ1462-01**	Prepared: 10/20/25 09:25 Analyzed: 10/20/25 20:45							
Lead	0.106	0.0010	mg/L	0.100	ND	106	75-125	0.798	20	
Post Spike (1IJ1122-PS1)		**Source: 1IJ1462-01**	Prepared: 10/20/25 09:25 Analyzed: 10/20/25 20:48							
Lead	0.0204		mg/L	0.0200	0.000006	102	80-120			
Batch 1IJ1327 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IJ1327-BLK1)			Prepared: 10/22/25 16:12 Analyzed: 10/24/25 19:46							
Zinc	<0.0050	0.0050	mg/L							
LCS (1IJ1327-BS1)			Prepared: 10/22/25 16:12 Analyzed: 10/24/25 19:48							
Zinc	0.103	0.0050	mg/L	0.100		103	80-120			
Matrix Spike (1IJ1327-MS1)		**Source: 1IJ1863-01**	Prepared: 10/22/25 16:12 Analyzed: 10/24/25 19:56							
Zinc	0.117	0.0050	mg/L	0.100	0.0387	78.3	75-125			
Matrix Spike Dup (1IJ1327-MSD1)		**Source: 1IJ1863-01**	Prepared: 10/22/25 16:12 Analyzed: 10/24/25 19:58							
Zinc	0.120	0.0050	mg/L	0.100	0.0387	81.3	75-125	2.48	20	
Post Spike (1IJ1327-PS1)		**Source: 1IJ1863-01**	Prepared: 10/22/25 16:12 Analyzed: 10/24/25 20:00							
Zinc	0.0524		mg/L	0.0200	0.0387	68.4	80-120			M2

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: 3.0°C

Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		

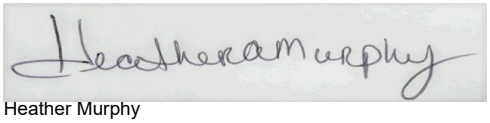
CERTIFICATE OF ANALYSIS

1IJ1035

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
10/28/25 16:16

CHAIN OF CUSTODY RECORD

MICROBAC
600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451

SITE INFORMATION

Sampler: TODD WHIPPLE

Project: **Marshall Sanitary Landfill-B1**
6003

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Don Ballalatak
Marshall County Landfill
2313 Marshalltown Blvd
Marshalltown, IA 50158

SPECIAL INSTRUCTIONS

None

Turn Around Time
☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

1IJ1035
HLW Engineering
PM: Heather Murphy

Temperature: 3.0 ice ✓ oC

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	**MW-66 (B)** DRY	Aqueous	GRAB	10/6/25	—	DRY	lndfll-app1-metals-602ndfill-app1-voc-group	
02-001	**MW-85 (B)**	Aqueous	GRAB	10/6/25	9:29	7	lndfll-app1-metals-602ndfill-app1-voc-group	01
03-001	**MW-98 (B)**	Aqueous	GRAB	10/6/25	12:28	7	lndfll-app1-metals-602ndfill-app1-voc-group	02
04-001	**MW-99 (B)**	Aqueous	GRAB	10/6/25	7:57	7	lndfll-app1-metals-602ndfill-app1-voc-group	03
05-001	**MW-49**	Aqueous	GRAB	10/6/25	10:45	7	lndfll-app1-metals-602ndfill-app1-voc-group	04
06-001	**MW-54**	Aqueous	GRAB	10/6/25	10:24	7	lndfll-app1-metals-602ndfill-app1-voc-group	05
07-001	**MW-81**	Aqueous	GRAB	10/6/25	11:40	7	lndfll-app1-metals-602ndfill-app1-voc-group	06
08-001	**MW-87**	Aqueous	GRAB	10/6/25	11:25	7	lndfll-app1-metals-602ndfill-app1-voc-group	07
09-001	**MW-89**	Aqueous	GRAB	10/6/25	12:13	7	lndfll-app1-metals-602ndfill-app1-voc-group	08
10-001	**MW-91**	Aqueous	GRAB	10/6/25	12:01	7	lndfll-app1-metals-602ndfill-app1-voc-group	09

Relinquished By — Date/Time: 10/7/25

Received By — Date/Time

Relinquished By — Date/Time

Received for Lab By: 10-8-25 9:45 — Date/Time

Remarks:

CHAIN OF CUSTODY RECORD

MICROBAC®
600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451

SITE INFORMATION

Sampler: TODD WHIPPLE

Project: **Marshall Sanitary Landfill-B1**
6003

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Don Ballalatak
Marshall County Landfill
2313 Marshalltown Blvd
Marshalltown, IA 50158

SPECIAL INSTRUCTIONS

None

Turn Around Time
☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

1IJ1035
HLW Engineering
PM: Heather Murphy

Temperature: 3.0 ice oC

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
11-001	**MW-93**	Aqueous	GRAB	10/6/25	11:09	7	lndfll-app1-metals-6020,lndfill-app1-voc-group	10
12-001	**MW-94**	Aqueous	GRAB	10/6/25	9:54	7	lndfll-app1-metals-6020,lndfill-app1-voc-group	11
13-001	**MW-95**	Aqueous	GRAB	10/6/25	9:07	7	lndfll-app1-metals-6020,lndfill-app1-voc-group	12
14-001	**MW-96R**	Aqueous	GRAB	10/6/25	8:16	7	lndfll-app1-metals-6020,lndfill-app1-voc-group	13
15-001	**MW-97**	Aqueous	GRAB	10/6/25	9:43	7	lndfll-app1-metals-6020,lndfill-app1-voc-group	14
16-001	**SRAMP B Tile**	Aqueous	GRAB	10/6/25	8:32	7	lndfll-app1-metals-6020,lndfill-app1-voc-group	15
17-001	**PECS B** DRY	Aqueous	GRAB	10/6/25	—	DRY	lndfill-app1-voc-group	
18-001	**Duplicate**	Aqueous	GRAB	10/6/25	✓	1	lndfll-app1-metals-6020	16

Todd Whipple 10/7/25
Relinquished By Date/Time

Received By Date/Time

Relinquished By Date/Time

Received for Lab By 10-8-25 9:45
Date/Time

Remarks:

Appendix D

Field Turbidity Summary

Marshall County Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

	10/16/14	1/14/15	4/3/15	7/6/15	10/1/15	4/14/16	10/13/16	4/10/17	7/11/17	10/9/17
Well	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**
49	0.62		0.62		0.18	1.68	1.03	2.32		0.39
54	1.73		1.72		1.76	2.30	4.38	6.96		0.24
66	0.34	1.93	0.74	0.16	0.13	0.96	0.46	3.28		
81	3.79		5.74		0.35	5.04	0.38	12.67		1.90
85	1.44	15.50	11.12	7.89	12.72	4.86	0.67	8.96		0.63
87	0.11		0.93		0.11	0.60	0.18	0.43		0.28
89	0.79		1.62		1.02	1.21	0.36	0.59		0.16
91	1.93		0.28		0.38	0.71	0.37	0.96	1.75	0.54
93	1.14		4.69		17.38	91.67	7.28	16.02		0.79
94	1.79		34.27		1.66	26.86	1.74	5.29		6.52
95	0.99		0.19		2.34	9.23	0.26	13.66		1.85
96R										
97	8.91		1.62		1.15	1.29	0.41	3.89		3.64
98							2.53	96.54		1.95
99							1.62	3.10		42.22
Max	**14.42**	**15.50**	**34.27**	**7.89**	**17.38**	**91.67**	**7.28**	**96.54**	**1.75**	**42.22**
Min	**0.11**	**1.93**	**0.19**	**0.16**	**0.11**	**0.60**	**0.18**	**0.43**	**1.75**	**0.16**
Median	**1.44**	**8.72**	**1.62**	**4.03**	**1.02**	**1.68**	**0.67**	**3.89**	**1.75**	**1.32**
Average	**2.92**	**8.72**	**4.95**	**4.03**	**3.05**	**11.32**	**1.55**	**11.70**	**1.75**	**4.90**

Marshall

Field Turbic

No-Purg

	1/9/18	4/17/18	7/2/18	10/22/18	4/22/19	10/23/19	4/10/20	10/19/20
Well	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**
49	13.70	11.77		21.71	2.42	1.33	3.03	12.50
54		36.03		1.81	2.84	27.00	67.72	8.40
66								
81		1.23		5.52	1.68	0.69	1.85	1.05
85		0.63		0.82	1.07	1.95	1.29	5.18
87		0.39		0.49	0.85	0.87	0.82	1.77
89		0.69		0.92	0.71	1.53	0.90	0.80
91	3.54	0.60	2.95	0.70	1.02	0.94	0.83	2.54
93		0.97		1.24	72.30	4.73	3.08	1.20
94		3.60		0.88	17.74	1.47	52.74	11.90
95		1.02		0.72	0.72	0.62	1.13	4.40
96R								
97		0.66		2.99	2.15	1.01	1.19	0.92
98		94.24		3.84	26.54	12.50	16.20	1.97
99		12.68		1.62	1.55	20.00	1.12	1.97
Max	**13.70**	**94.24**	**2.95**	**21.71**	**72.30**	**27.00**	**67.72**	**12.50**
Min	**3.54**	**0.39**	**2.95**	**0.49**	**0.71**	**0.62**	**0.82**	**0.80**
Median	**8.62**	**1.00**	**2.95**	**1.08**	**1.62**	**1.44**	**1.57**	**1.97**
Average	**8.62**	**11.79**	**2.95**	**3.13**	**9.46**	**5.43**	**11.22**	**4.20**

Marshall

Field Turbic

No-Purg

	1/7/21	4/5/21	7/2/21	10/8/21	4/6/22	10/25/22	4/10/23	7/7/23	7/20/23	10/13/23
Well	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**
49		2.11		1.32	2.73	1.22	2.07			1.54
54		11.60		7.42	13.66	2.27	6.93			43.51
66										
81		7.06		1.06	9.07	1.54	6.07			3.19
85		2.47		1.41	2.78	2.22	0.80			3.97
87		2.28		1.44	1.13	1.05	1.01			3.22
89		3.46		1.40	1.49	1.21	1.12			2.98
91	1.73	2.11		3.35	6.64	1.37	1.16			3.15
93		2.25	2.95	5.85	1.35	59.40	1.35			2.31
94		36.96		1.48	8.26	1.97	5.76			2.91
95		4.89		2.10	1.76	3.20	1.70			2.81
96R		153.60	7.92	8.12	59.05	20.70	2.44	3.77	19.40	13.98
97		1.89		9.53	1.09	1.72	4.38			1.32
98		9.80		11.07	5.72	12.70	53.92			29.91
99		2.44		3.73	1.48	1.70	0.98			2.59
Max	**1.73**	**153.60**	**7.92**	**11.07**	**59.05**	**59.40**	**53.92**	**3.77**	**19.40**	**43.51**
Min	**1.73**	**1.89**	**2.95**	**1.06**	**1.09**	**1.05**	**0.80**	**3.77**	**19.40**	**1.32**
Median	**1.73**	**2.97**	**5.44**	**2.73**	**2.76**	**1.85**	**1.89**	**3.77**	**19.40**	**3.07**
Average	**1.73**	**17.35**	**5.44**	**4.23**	**8.30**	**8.02**	**6.41**	**3.77**	**19.40**	**8.05**

Marshall

Field Turbic

No-Purg

	4/16/24	7/18/24	10/15/24	4/14/25	10/6/25	Max	Min	Ave	Std Dev
Well	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**				
49	14.83		8.80	12.61	27.56	**27.56**	**0.18**	**6.17**	**7.53**
54	19.53		5.99	11.64	11.41	**67.72**	**0.24**	**12.91**	**16.45**
66						**3.28**	**0.13**	**1.00**	**1.09**
81	1.56		2.50	2.77	1.77	**12.67**	**0.35**	**3.41**	**3.10**
85	6.76		2.99	2.51	1.27	**15.50**	**0.63**	**4.08**	**4.15**
87	1.82		2.53	2.05	2.20	**3.22**	**0.11**	**1.15**	**0.86**
89	2.11		2.66	2.05	1.36	**3.46**	**0.16**	**1.35**	**0.83**
91	1.69		3.20	2.43	1.27	**6.64**	**0.28**	**1.78**	**1.40**
93	5.75		3.49	2.64	3.45	**91.67**	**0.79**	**13.05**	**24.55**
94	6.96		4.00	3.53	0.98	**52.74**	**0.88**	**10.40**	**13.98**
95	2.27		4.31	2.71	1.26	**13.66**	**0.19**	**2.79**	**3.10**
96R	14.22		14.54	7.52	24.69	**153.60**	**2.44**	**26.92**	**40.71**
97	2.20	1.95	1.95	2.11	1.08	**9.53**	**0.41**	**2.46**	**2.31**
98	393.50		6.06	15.32	5.01	**393.50**	**1.95**	**42.07**	**0.00**
99	1.60		3.34	2.50	0.90	**42.22**	**0.90**	**5.64**	**0.00**
Max	**393.50**	**1.95**	**14.54**	**15.32**	**27.56**				
Min	**1.56**	**1.95**	**1.95**	**2.05**	**0.90**				
Median	**4.01**	**1.95**	**3.42**	**2.68**	**1.57**				
Average	**33.91**	**1.95**	**4.74**	**5.17**	**6.02**				

Appendix E

Running Summary of Prediction Limit Exceedances

Inorganic – Compound concentrations that exceed the Prediction Limits

Spring 2013*	**Fall 2013***
MW-49 – arsenic, barium, cobalt	MW-49 – arsenic, barium, cobalt
MW-54 – barium	MW-54 – barium
MW-81 – barium	MW-81 – barium
MW-94 – barium	MW-94 – cobalt
MW-96 – barium	MW-96 – barium

Spring 2014*	**Fall 2014***
MW-49 – barium, cobalt	MW-49 – arsenic, cobalt
MW-54 – cadmium	MW-54 – none
MW-81 – barium	MW-81 – barium
	MW-94 – cobalt

Spring 2015*	**Fall 2015***
MW-49 – arsenic, cobalt	MW-49 – arsenic, cobalt, nickel
MW-54 – none	MW-54 - cobalt, nickel
MW-81 – barium	MW-81 – barium, cobalt, nickel
MW-93 – none	MW-93 - arsenic, cobalt, nickel
MW-94 – cobalt	MW-94 – arsenic, cobalt, nickel
MW-96 – barium	MW-96 – cobalt, nickel

Spring 2016*	**Fall 2016***
MW-49 – arsenic, cobalt, nickel	MW-49 – arsenic, cobalt, nickel
MW-54 – cobalt, nickel	MW-54 - cobalt, nickel
MW-81 – barium, cobalt, nickel	MW-81 – barium, cobalt, nickel
MW-93 – arsenic, cobalt, nickel	MW-93 - cobalt, nickel
MW-94 – arsenic, cobalt, nickel	MW-94 – arsenic, cobalt, nickel
MW-96 – cobalt, nickel	MW-96 – nickel
MW-97 – cobalt, nickel	

Spring 2017*	**Fall 2017***
MW-49 – arsenic, cobalt, nickel	MW-49 – cobalt
MW-54 – cobalt, nickel	MW-54 - cobalt, nickel
MW-81 – barium, cobalt, nickel	MW-81 – barium, cobalt, nickel
MW-93 – cobalt, nickel	MW-93 - nickel
MW-94 – cobalt, nickel	MW-94 – cobalt, nickel
MW-96 – nickel	MW-96 – nickel

**does not yet include sufficient data from background wells MW-98 and MW-99 in the calculation of Site Prediction Limits for inorganic compounds.*

Spring 2018	**Fall 2018**
MW-49 – arsenic, cobalt, nickel	MW-49 – arsenic, cobalt, nickel
MW-54 – cobalt, nickel	MW-54 - cobalt, nickel
MW-81 – barium, cobalt, nickel	MW-81 – barium, nickel
MW-93 – nickel	MW-93 - nickel
MW-94 – arsenic, cobalt, nickel	MW-94 – cobalt, copper, nickel
MW-96 – nickel	MW-96 – nickel

Spring 2019	**Fall 2019**
MW-49 – arsenic, cobalt, nickel	MW-49 – arsenic, cobalt, nickel
MW-54 – cobalt, nickel	MW-54 - cobalt, nickel
MW-81 – barium, cobalt	MW-81 – barium, cobalt
MW-93 – arsenic, cobalt, nickel	MW-93 - cobalt, nickel
MW-94 – cobalt, nickel	MW-94 – cobalt, nickel
MW-96 – nickel	MW-96 – nickel

Spring 2020	**Fall 2020**
MW-49 – arsenic, cobalt, nickel	MW-49 – arsenic, cobalt, nickel
MW-54 – arsenic, cobalt, copper, nickel, zinc	MW-54 - cobalt, nickel
MW-81 – barium, cobalt	MW-81 – barium, cobalt, nickel
MW-93 – cobalt, nickel	MW-93 - nickel
MW-94 – arsenic, cobalt, nickel	MW-94 – arsenic, cobalt, nickel
MW-96 – nickel	MW-96 – plugged

Spring 2021 (interwell)	**Fall 2021 (interwell)**
MW-49 – arsenic, barium, cobalt, nickel	MW-49 – arsenic, barium, cobalt, nickel
MW-54 –cobalt, nickel	MW-54 - arsenic, cobalt, nickel
MW-81 – barium, cobalt, nickel	MW-81 – barium, cobalt, nickel
MW-91 – selenium	
MW-93 – arsenic, cobalt, copper*, nickel	MW-93 - arsenic, cobalt, nickel
MW-94 – arsenic, cobalt, nickel	MW-94 – arsenic, cobalt, nickel
MW-96R – arsenic, barium, cobalt	MW-96R – arsenic, barium, cobalt

Spring 2022 (interwell)	**Fall 2022 (interwell)**
MW-49 – arsenic, cobalt, nickel	MW-49 – arsenic, cobalt, nickel
MW-54 –cobalt, nickel	MW-54 - cobalt, nickel
MW-81 – arsenic, barium, cobalt, nickel	MW-81 – barium, cobalt, nickel
MW-91 – none	MW-91 – none
MW-93 – arsenic, cobalt, nickel	MW-93 - arsenic, cobalt, nickel
MW-94 – arsenic, cobalt, nickel	MW-94 – arsenic, cobalt
MW-96R – arsenic, cobalt, selenium	MW-96R – arsenic, barium, cobalt
Spring 2022 (intrawell)	**Fall 2022 (intrawell)**
MW-93 – none	MW-93 – none

**starting in 2023 the supplemental wells were no longer evaluated for exceedances of the Prediction Limits*

Spring 2023 (interwell)	**Fall 2023 (interwell)**
MW-93 – arsenic, cobalt, nickel	MW-93 - arsenic, cobalt, nickel
MW-96R –arsenic, cobalt, selenium	MW-96R – arsenic, barium, cobalt
Spring 2023 (intrawell)	**Fall 2023 (intrawell)**
MW-93 – none	MW-93 – none
MW-96R –none	MW-96R –none

Spring 2024 (interwell)	**Fall 2024 (interwell)**
MW-93 – arsenic, cobalt, nickel	MW-93 - arsenic, cobalt, nickel
MW-96R – selenium	MW-96R –cobalt
Spring 2024 (intrawell)	**Fall 2024 (intrawell)**
MW-93 – none	MW-93 – none
MW-96R –none	MW-96R –none

Spring 2025 (interwell)	**Fall 2025 (interwell)**
MW-91 – selenium	MW-91 – none
MW-93 – arsenic, cobalt, nickel	MW-93 - arsenic, cobalt, nickel
MW-96R – selenium	MW-96R –cobalt
Spring 2025 (intrawell)	**Fall 2025 (intrawell)**
MW-93 – none	MW-93 – none
MW-96R –none	MW-96R –none

Organic - Statistically Significant Increases (SSI)

Spring 2013		**Fall 2013**	
MW-49 –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride	**MW-49** –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-54 –	1,1-dichloroethane chloroethane cis-1,2-dichloroethylene	**MW-54** –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene
MW-81 –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene tetrachloroethene trans-1,2-dichloroethylene trichloroethene vinyl chloride	**MW-81** –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene tetrachloroethene trans-1,2-dichloroethylene trichloroethene vinyl chloride
MW-94 –	1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethylene vinyl chloride.	**MW-94 –**	1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethylene vinyl chloride
Spring 2014		**Fall 2014**	
MW-49 –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene vinyl chloride	**MW-49** –	1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-54 –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene	**MW-54** –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-81 –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene	**MW-81** –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene

	trichloroethene vinyl chloride		trichloroethene vinyl chloride
MW-87 -	bis(2-ethylhexyl)phthalate	**MW-87 -**	none
MW-89 -	bis(2-ethylhexyl)phthalate	**MW-89 -**	none
MW-91 -	1,1-dichloroethane	**MW-91 -**	1,1-dichloroethane
MW-94 –	1,1-dichloroethane benzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethylene vinyl chloride	**MW-94** –	1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethylene vinyl chloride
Spring 2015		**Fall 2015**	
MW-49 –	1,1-dichloroethane 1,4-dichlorobenzene benzene bis(2 ethylhexyl) phthalate chloroethane cis-1,2-dichloroethylene vinyl chloride	**MW-49** –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-54 –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene	**MW-54** –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-81 –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene bis(2 ethylhexyl) phthalate chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride	**MW-81** –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride
MW-91 -	1,1-dichloroethane cis-1,2-dichloroethylene	**MW-91 -**	1,1-dichloroethane
MW-94 –	1,1-dichloroethane benzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethylene vinyl chloride	**MW-94** –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene vinyl chloride

Spring 2016		Fall 2016	
MW-49 –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride	**MW-49** –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-54 –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene	**MW-54** –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-81 –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride	**MW-81** –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene benzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride
MW-89 -	bis(2 ethylhexyl) phthalate		
MW-94 –	1,1-dichloroethane benzene chloroethane cis-1,2-dichloroethylene vinyl chloride	**MW-94** –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene vinyl chloride

Spring 2017		Fall 2017	
MW-49 –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride	**MW-49** –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-54 –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene vinyl chloride	**MW-54** –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-81 –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene	**MW-81** –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene

	benzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride		benzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride
MW-91 –	none	**MW-91** –	1,1-dichloroethane
MW-94 –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane Benzene chloroethane	**MW-94** –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane benzene chloroethane
Spring 2018		**Fall 2018**	
MW-49 –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride	**MW-49** –	1,1-dichloroethane 1,4-dichlorobenzene acetone benzene chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-54 –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene	**MW-54** –	1,1-dichloroethane chloroethane
MW-81 –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene benzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride	**MW-81** –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane acetone chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-94 –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethene vinyl chloride	**MW-94** –	1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene vinyl chloride

Spring 2019		**Fall 2019**	
MW-49 –	1,1-dichloroethane 1,4-dichlorobenzene benzene chlorobenzene chloroethane cis-1,2-dichloroethylene vinyl chloride	**MW-49** –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane vinyl chloride
MW-54 –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane toluene	**MW-54** –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane
MW-81 –	1,1-dichloroethane 1,2-dichlorobenzene 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene benzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene vinyl chloride	**MW-81** –	1,1-dichloroethane 1,2-dichlorobenzene 1,2-dichloropropane 1,4-dichlorobenzene benzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene vinyl chloride
MW-91 –	1,1-dichloroethane	**MW-91** –	none
MW-94 –	1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethene vinyl chloride	**MW-94** –	1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene
Spring 2020		**Fall 2020**	
MW-49 –	1,1-dichloroethane benzene chlorobenzene chloroethane cis-1,2-dichloroethylene vinyl chloride	**MW-49** –	1,1-dichloroethane 1,4-dichlorobenzene benzene chlorobenzene chloroethane cis-1,2-dichloroethylene vinyl chloride
MW-54 –	chloroethane	**MW-54** –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane

MW-81 –	1,1-dichloroethane 1,2-dichlorobenzene 1,2-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene vinyl chloride	**MW-81** – 1,1-dichloroethane 1,2-dichlorobenzene 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene benzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride
MW-91 –	none	**MW-91** – 1,1-dichloroethane
MW-94 –	1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethene trans-1,2-dichloroethylene vinyl chloride	**MW-94** – 1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene vinyl chloride
LW-75 –	none	**LW-75** – 1,4-dichlorobenzene acetone benzene chloroethane ethylbenzene xylenes

Spring 2021		Fall 2021	
MW-49 –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane	**MW-49** –	1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene
MW-54 –	1,4-dichlorobenzene	**MW-54** –	1,1-dichloroethane 1,4-dichlorobenzene
MW-81 –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene benzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride	**MW-81** –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride
MW-94 –	1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethene	**MW-94** –	1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene
MW-96R –	none	**MW-96R** –	bis(2-ethylhexyl)phthalate
LW-75 –	1,4-dichlorobenzene acetone benzene chloroethane cis-1,2-dichloroethylene ethylbenzene xylenes		

Spring 2022		Fall 2022	
MW-49 –	1,1-dichloroethane 1,4-dichlorobenzene acetone benzene chloroethane	**MW-49** –	1,1-dichloroethane 1,4-dichlorobenzene acetone benzene chlorobenzene chloroethane cis-1,2-dichloroethylene
MW-54 –	1,4-dichlorobenzene	**MW-54** –	1,1-dichloroethane 1,4-dichlorobenzene chloroethane
MW-81 –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene chlorobenzene chloroethane cis-1,2-dichloroethylene trichloroethene vinyl chloride	**MW-81** –	1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride
MW-91 –	carbon disulfide	**MW-91** –	none
MW-94 –	1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethene	**MW-94** –	1,1-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene vinyl chloride

***starting in 2023 the supplemental wells were no longer evaluated for exceedances of the Prediction Limits*

Appendix F

Summary of On-Going Assessment Monitoring

(green highlights on the following tables represent the full Appendix II sample collection events)

bis (2-ethylhexyl)phthalate (ug/L)

Date							
	Detection	Detection	Assessment	Detection	Detection	Detection	Detection
	AZPOC	AZPOC	AZPOC	POC	POC	POC	AZPOC
	MW87	MW89	MW91	MW93	MW95	MW96R	MW97
3/28/08	<8	<8	<8	NT	NT	DNE	NT
6/25/08	<8	<8	<8	NT	NT	DNE	NT
8/25/08	<8	<8	<8	NT	NT	DNE	NT
10/3/08	<8	<8	<8	NT	NT	DNE	NT
12/8/08	**28.0**	**60.0**	**9.0**	NT	NT	DNE	NT
4/1/09	<10	<10	<10	NT	NT	DNE	NT
10/21/09	<10	<10	<10	NT	NT	DNE	NT
4/20/10	<10	<10	<10	NT	NT	DNE	NT
10/8/10	<10	<10	**15.0**	NT	NT	DNE	NT
4/4/11	<10	<14	<10	NT	NT	DNE	NT
10/6/11	<10	<10	<10	NT	NT	DNE	NT
4/10/12	<10	<10	<10	NT	NT	DNE	NT
10/8/12	<10	<10	<10	<12	NT	DNE	NT
4/4/13	<10	<10	<10	<8	NT	DNE	NT
10/16/13	<8	**9.0**	**142.0**	NT	NT	DNE	NT
4/9/14	**13.0**	**18.0**	<10	NT	NT	DNE	NT
10/16/14	<10	<10	<10	NT	NT	DNE	NT
4/3/2015	<10	NT	<10	NT	NT	DNE	NT
10/1/2015	<10	<10	<10	NT	NT	DNE	NT
4/14/2016	<10	**19.0**	<10	NT	NT	DNE	NT
10/13/2016	<10	<10	<10	NT	NT	DNE	NT
4/10/2017	<10	<10	<10	NT	NT	DNE	NT
10/9/2017	NT	NT	NT	NT	NT	DNE	NT
4/17/2018	NT	NT	NT	NT	NT	DNE	NT
10/22/2018	NT	NT	<6	<6	NT	DNE	NT
4/22/2019	NT	NT	NT	NT	NT	DNE	NT
10/23/2019	NT	NT	NT	NT	NT	DNE	NT
4/10/2020	NT	NT	NT	NT	NT	DNE	NT
10/19/2020	NT	NT	NT	NT	NT	DNE	NT
4/5/2021	NT	NT	NT	NT	NT	NT	NT
10/8/2021	NT	NT	NT	NT	NT	NT	NT
4/6/2022	NT	NT	NT	NT	NT	**6.0**	NT
10/25/2022	NT	NT	NT	NT	NT	NT	NT
4/10/2023	NT	NT	NT	NT	NT	<6	NT
10/13/2023	NT	NT	<6	<6	NT	NT	NT
4/17/2024	NT	NT	NT	NT	NT	NT	NT
10/15/2024	NT	NT	NT	NT	NT	NT	NT
4/14/2025	NT	NT	NT	NT	NT	NT	NT
9/6/2025	NT	NT	NT	NT	NT	NT	NT

bis (2-ethylhexyl)phthalate (ug/L)

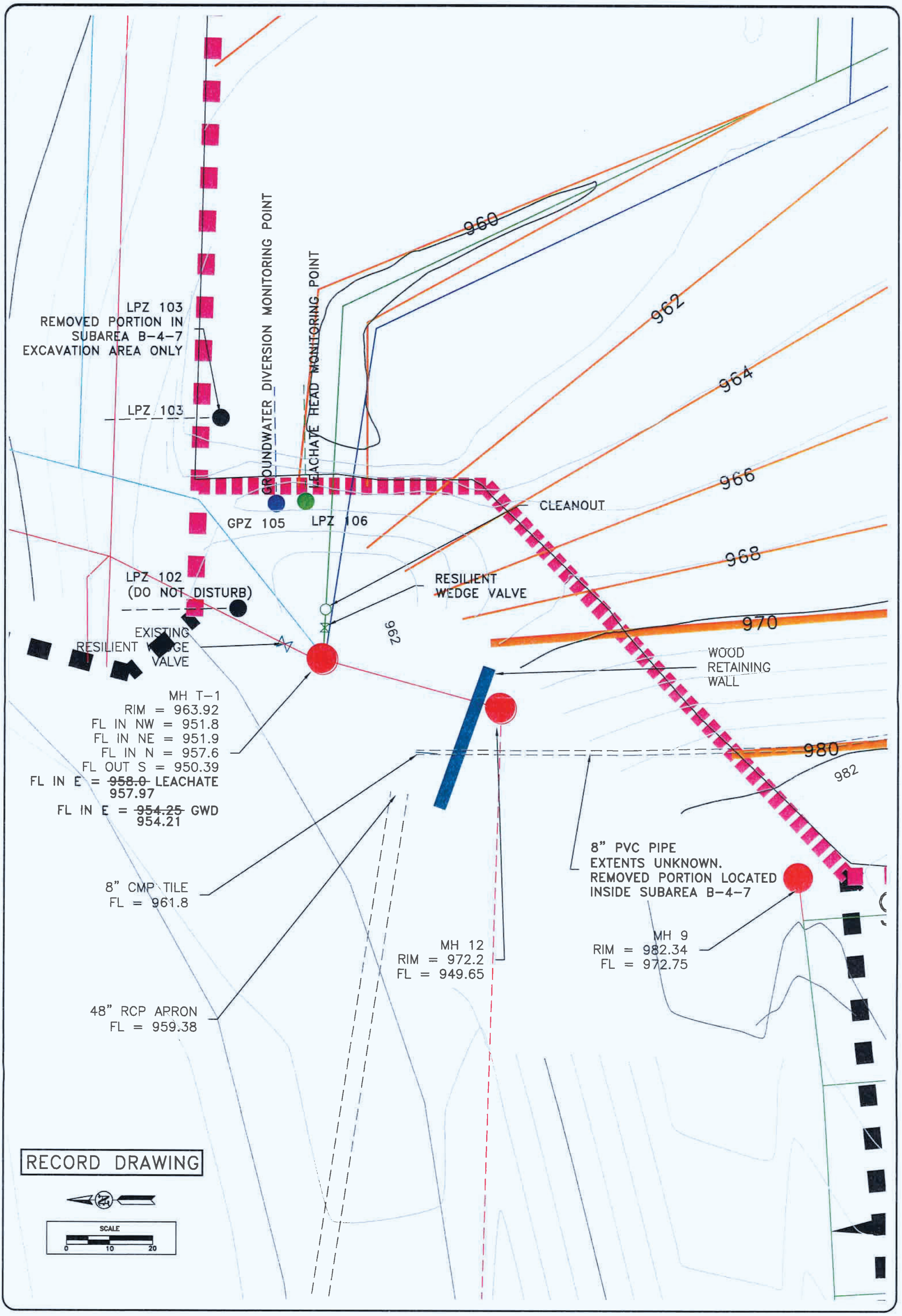
Date	Supplemental Monitoring Wells			
	MW49	MW54	MW81	MW94
3/28/08	<8	<8	<8	NT
6/25/08	<8	<8	<8	NT
8/25/08	<8	<8	<8	NT
10/3/08	<8	<8	<11	NT
12/8/08	**13.0**	**16.0**	<8	NT
4/1/09	<10	<10	<10	NT
10/21/09	NT	NT	NT	NT
4/20/10	NT	NT	<10	NT
10/8/10	NT	NT	NT	NT
4/4/11	NT	NT	NT	<8
10/6/11	NT	NT	NT	<8
4/10/12	NT	NT	NT	NT
10/8/12	<10	<10	<10	**8.0**
4/4/13	<10	<10	<10	<10
10/16/13	<8	<11	<8	<10
4/9/14	<10	<10	<10	<10
10/16/14	<10	<17	<10	<10
4/3/2015	**65.0**	<10	**36.0**	<10
10/1/2015	<10	<10	<10	<10
4/14/2016	<10	<10	<10	<10
10/13/2016	<10	<10	<10	<10
4/10/2017	<10	<10	<10	<10
10/9/2017	NT	NT	NT	<6
4/17/2018	NT	NT	NT	NT
10/22/2018	<6	<6	<6	NT
4/22/2019	NT	NT	NT	NT
10/23/2019	NT	NT	NT	NT
4/10/2020	NT	NT	NT	NT
10/19/2020	NT	NT	NT	NT
4/5/2021	NT	NT	NT	NT
7/2/2021	NT	NT	NT	NT
10/8/2021	NT	NT	NT	NT
4/6/2022	NT	NT	NT	NT
10/25/2022	NT	NT	NT	NT
4/10/2023	NT	NT	NT	NT
10/13/2023	NT	NT	NT	NT
4/17/2024	NT	NT	NT	NT
10/15/2024	NT	NT	NT	NT
4/14/2025	NT	NT	NT	NT
9/6/2025	NT	NT	NT	NT

DNE = Did Not Exist

Appendix G

Leachate Collection System Performance Evaluation Report

Appendix G.1 – Map of Monitoring Points Area B4 & Maps Illustrating all Leachate Lines and Groundwater Diversion Lines



HLW Engineering Group
204 West Broad Street, P.O. Box 314
Story City, Iowa 50248
Phone: (515) 733-4144
FAX: (515) 733-4146

SITE PLAN – MH T-1 AREA

SUBAREA B-4-7 EXPANSION

MARSHALL COUNTY SANITARY LANDFILL
MARSHALL COUNTY, IOWA

FIGURE: 7

REVISION	NO.	DATE
DRAWN JGH	PROJECT NO. 6003-16A	DATE 8/7/17

Legend

- Existing 2' Contours
- Existing 10' Contours
- Boundary of Landfill Waste (Existing)
- Existing Groundwater Diversion Pipe
- Existing Leachate Pipe
- Property Line
- Storm Water Pipe
- Fence
- Leachate Manhole
- Gravel Surface

NOTES:

1. GROUND CONTOURS FROM AERIAL DRONE SURVEY DATED SEPTEMBER 25, 2017.
2. FORCE MAIN ONLY APPROXIMATELY LOCATED. FOR PRECISE LOCATIONS SEE RECORD PLANS DATED 1991, "LEACHATE CONTROL SYSTEM – PHASE B.

SCALE
0 150 300

PIPE LENGTHS

CLEANOUT NO.	PIPE LENGTH, FT
CO–1A	
	1092
CO–4	
CO–1B	
	1177
CO–13A	
CO–2A	
	778
CO–3	
CO–2B	
	413
T–1	
CO–5	
	509
T–2	
CO–6	
	1143
CO–13B	
CO–7	
	1059
CO–12A	
CO–8	
	961
CO–11B	
CO–9	
	868
CO–10A	
CO–10B	
	126
MH–12	
CO–11A	
	559
T–3	
CO–12B	
	611
T–6	
CO–13	
	731
T–7	
CO–14	
	643
T–8	
CO–15	
	601
CO–16	

PIPE LENGTHS

MANHOLE NO.	PIPE LENGTH, FT
CONTROL MH–1	
	15
MH–2	
	335
MH–3	
	340
MH–4	
	264
MH–5	
	292
MH–6	
	96
MH–10	
	89
MH–7	
	524
MH–8	
	452
MH–9	
MH–10	
	639
MH–11	
	445
MH–12	
MH–4	
	257
MH–4–1	
	397
MH–4–2	
	295
MH–4–3	
MH–5	
	197
MH–5–1	
	640
MH–5–2	
MH–6	
	41
MH–6–1	
	727
MH–6–2	

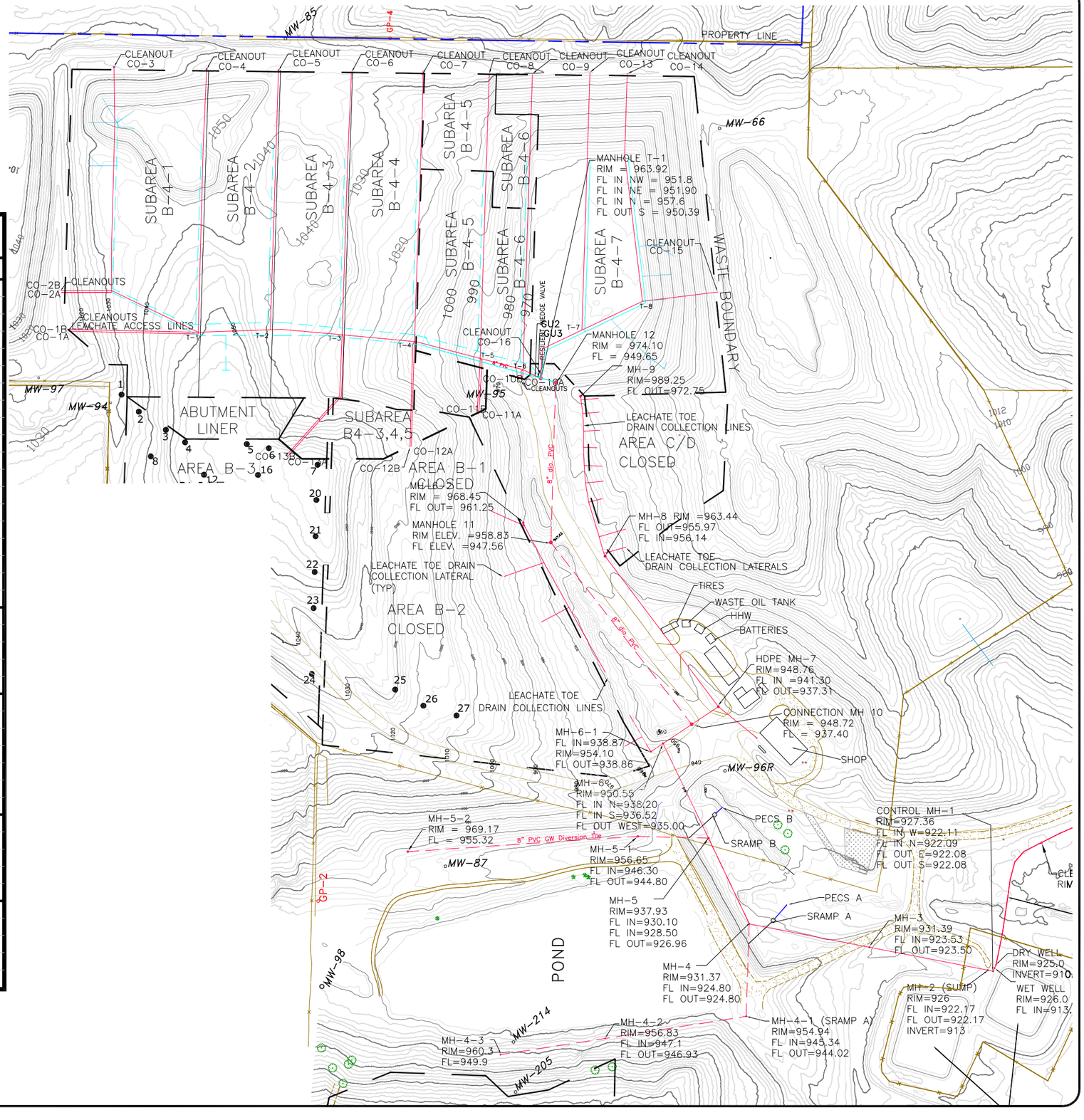


FIGURE: 3A

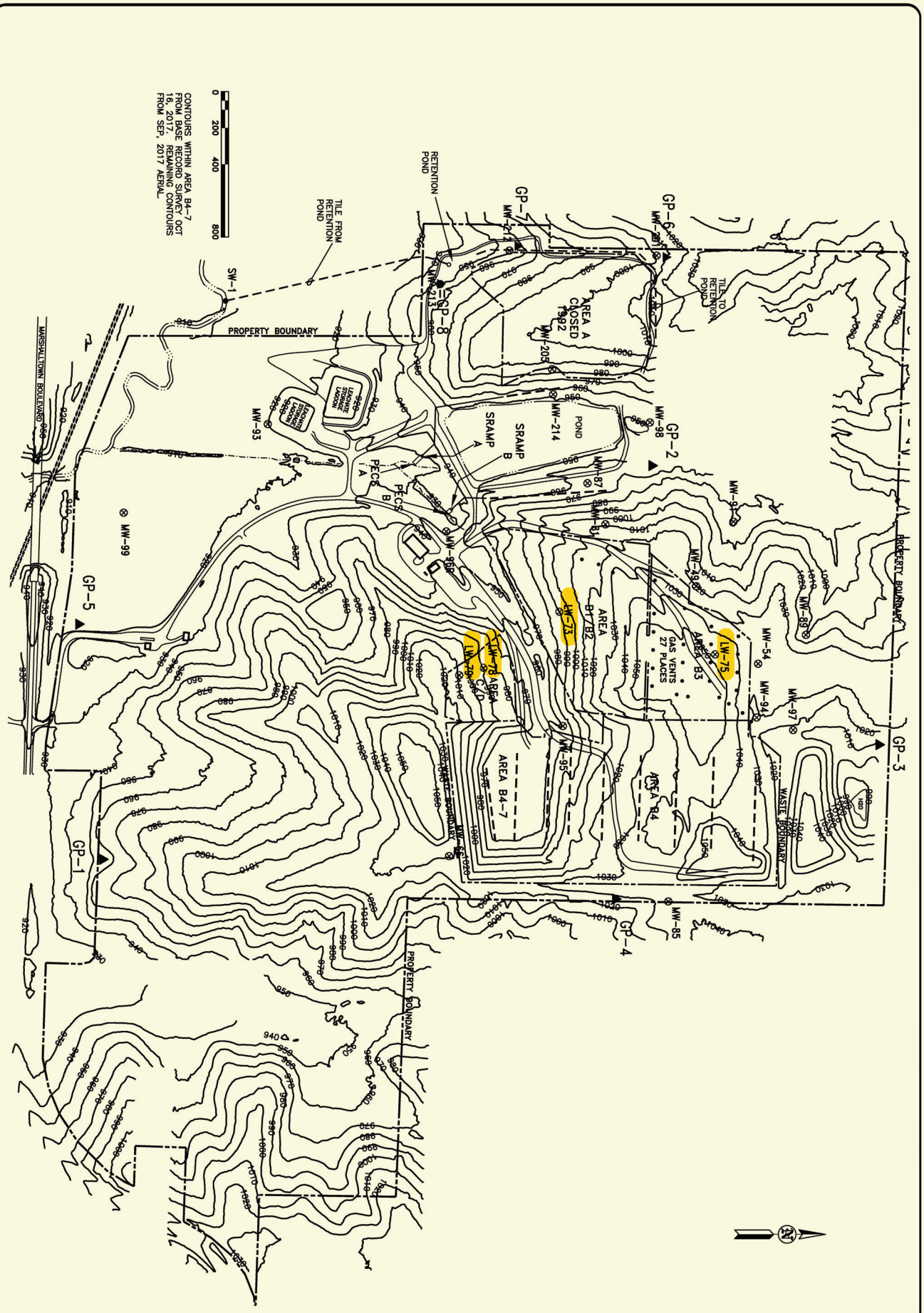
REVISION	NO.	DATE
DRAWN JGH	PROJECT NO. 6003–17A	DATE 3/23/21

SITE PLAN
LEACHATE COLLECTION SYSTEM MONITORING WELLS – EAST HALF
MARSHALL COUNTY SLF, MARSHALLTOWN, IOWA

HLW Engineering Group
204 West Broad Street, P.O. Box 314
Story City, Iowa 50248
Phone: (515) 733-4144
FAX: (515) 733-4146

HLW Engineering Group

Appendix G.2 – Map of Leachate Well Locations & Comprehensive Leachate Head Elevation Data - Areas B-1/B-2/B-3/B-4/C/D



HLW Engineering Group
204 West Broad Street, P.O. Box 314
Story City, Iowa 50248
Phone: (515) 733-4144
FAX: (515) 733-4146

SITE PLAN WITH SUBSURFACE GAS PROBE LOCATIONS

MARSHALL COUNTY SANITARY LANDFILL
MARSHALLTOWN, IOWA

FIGURE: 1

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6003-11A	DATE 10-17-21

	MARSHALL COUNTY SANITARY LANDFILL						
		64-SDP-2-75P			**Leachate Elevations**		
	MONTHLY WATER ELEVATIONS						
	LHMW 73	**LHMW 74**	**LHMW 75**	**LHPZ 76**	**LHPZ 77**	**LHMW 78**	**LHMW 79**
TOP PVC. ELEV, FT	993.77	1021.72	1049.75	1047.47	1046.54	991.66	1010.27
DATE							
10/21/92			1049.75	1047.47	1046.54		
11/30/92		987.81	1014.20	1016.07	1016.18		
12/28/92	963.43	986.75	1014.13	1015.45	1015.86		
1/11/93	963.43	986.95	1014.10	1015.42	1015.99		
2/15/93	963.43	987.13	1014.25	1015.57	1015.70		
3/17/93	963.43	986.74	1013.78	1047.47	1015.53	972.36	990.58
4/16/93	963.57	989.87	1014.80	1016.22	1017.54	972.66	990.77
5/14/93	963.61	987.04	1014.99	1016.88	1018.44	972.78	990.93
6/17/93	963.64	987.81	1014.90	1017.16	1018.11	973.19	990.90
7/6/93	963.57	988.07	1015.10	1017.50	1020.54	975.71	991.17
8/31/93	963.61	988.38	1015.34	1018.95	1020.54	973.27	992.37
9/21/93	963.62	988.33	1015.75	1019.16	1020.35	976.35	992.36
10/11/93	963.47	988.22	1015.85	1018.97	1019.74	973.31	991.57
11/10/93	963.64	988.32	1016.04	1018.45	1018.76	973.31	991.81
12/10/93	963.65	988.57	1016.80	1018.33	1018.28	973.06	991.81
1/28/94	963.76	988.76	1017.30	1018.09	1017.84	973.57	992.49
2/11/94	963.66	988.09	1017.53	1018.38	1018.16	973.17	992.24
3/15/94	963.67	988.50	1017.23	1017.96	1018.84	973.17	991.57
4/6/94	963.77	988.12	1017.25	1017.67	1019.94	972.96	991.57
5/31/94	963.67	988.18	1016.75	1017.18	1017.02	973.17	992.32
6/14/94	963.65	989.06	1017.12	1017.58	1017.44	973.27	992.01
7/12/94	963.69	988.75	1016.65	1017.06	1017.14	974.75	993.87
8/26/94	963.68	989.77	1016.54	1016.84	1016.65	973.41	991.91
9/20/94	963.68	985.11	1016.61	1016.79	1016.58	973.63	991.95
10/18/94	963.77	984.32	1016.25	1016.27	1016.34	973.06	991.67
11/25/94	963.63	985.61	1016.54	1016.39	1016.04	973.58	1000.27
12/20/94	963.71	984.56	1016.64	1016.65	1016.31	973.77	992.03
1/30/95	963.72	978.58	1016.75	1016.70	1016.35	976.18	996.46
2/28/95	963.70	981.27	1016.46	1017.30	1015.84	973.71	992.16
3/28/95	963.64	982.77	1016.75	1016.62	1016.09	977.36	994.17
04/19/95	963.77	984.52	1016.55	1016.27	1016.14	973.66	991.97
5/30/95	963.66	1006.32	1017.65	1016.87	1017.14	975.96	994.17
6/30/95	963.66	1010.22	1019.65	1018.27	1018.54	974.76	993.77
7/6/95	963.67	988.32	1017.45	1017.47	1017.74	973.46	992.27
8/28/95	963.67	987.62	1017.55	1017.17	1016.74	973.76	993.67
9/19/95	963.52	987.36	1017.27	1016.20	1016.12	973.39	992.38
10/12/95	963.67	986.82	1016.55	1016.37	1016.44	973.46	992.92
11/15/95	963.76	986.75	1017.05	1016.57	1015.94	973.76	993.47
12/21/95	963.76	986.72	1016.16	1016.27	1015.58	975.65	992.16
1/11/96	963.71	986.62	1016.05	1015.77	1015.64	973.56	992.77
3/11/96	963.71	985.93	1015.36	Iced	1015.35	973.56	992.32
4/11/96	963.71	986.62	1015.55	1015.67	1015.64	973.66	992.97
5/14/96	963.77	986.22	1016.25	1015.03	1015.19	973.56	993.77
6/20/96	963.77	986.17	1015.31	1016.22	1015.08	974.21	994.32
7/12/96	963.71	985.82	1015.25	1015.07	1015.66	973.56	992.77
8/26/96	963.77	986.27	1016.25	1016.87	1015.84	974.93	993.72
9/25/96	963.75	986.20	1016.24	1015.86	1015.84	973.51	994.67
10/03/1996	963.71	985.93	1015.15	1015.37	1015.94	973.66	994.37
11/13/1996	963.77	986.92	1014.85	1015.37	1015.14	974.76	994.67
12/11/1996	963.75	986.35	1015.18	1016.25	1015.39	975.51	994.62

	MARSHALL COUNTY SANITARY LANDFILL						
		64-SDP-2-75P			**Leachate Elevations**		
	MONTHLY WATER ELEVATIONS						
	LHMW 73	**LHMW 74**	**LHMW 75**	**LHPZ 76**	**LHPZ 77**	**LHMW 78**	**LHMW 79**
TOP PVC. ELEV, FT	993.77	1021.72	1049.75	1047.47	1046.54	991.66	1010.27
DATE							
01/13/1997	963.69	976.85	1013.95	1014.27	1014.54	973.56	994.37
02/26/1997	964.57	986.72	1014.73	1015.42	1013.40	974.46	994.67
03/31/1997	964.67	985.29	1014.41	1014.61	1015.04	975.66	994.87
04/08/1997	964.57	984.72	1014.45	1014.47	1015.04	973.66	994.27
05/21/1997	964.77	999.72	1014.75	1014.69	1015.04	975.91	994.67
06/27/1997	964.57	993.82	1014.75	1014.66	1015.34	974.26	994.57
07/16/1997	964.37	986.22	1014.65	1014.87	1015.84	973.86	994.87
08/27/1997	964.27	986.82	1014.80	1015.96	1015.94	974.95	995.06
09/30/1997	964.42	987.37	1016.33	1015.27	1015.59	973.82	995.72
10/13/1997	964.27	976.85	1014.65	1015.07	1015.54	973.76	995.37
11/26/1997	964.21	987.04	1014.73	1014.65	1015.15	973.90	995.08
12/15/1997	964.27	985.92	1014.80	1015.12	1015.08	974.35	995.26
01/26/1998	963.87	976.85	1014.75	1014.47	1014.79	973.86	994.67
02/28/1998	964.37	987.32	1015.03	1015.12	1015.32	973.88	995.46
03/03/1998			1049.75	1047.47	1046.54		
04/20/1998	964.07	976.85	1014.55	1015.17	1017.54	973.86	995.27
05/26/1998	964.00	982.77	1016.45	1015.62	1017.13	976.92	996.19
06/22/1998	963.99	985.72	1015.95	1015.90	1017.95	973.86	995.98
07/09/1998	963.97	976.85	1014.95	1016.27	1018.14	973.86	996.77
08/31/1998	963.99	985.13	1015.06	1015.97	1016.79	975.89	997.36
09/30/1998			1014.89	1015.77	1016.45		
10/13/1998	963.97	985.42	1015.15	1015.67	1016.44	973.86	996.77
11/24/1998	964.08	985.72	1015.54	1015.52	1016.54	977.16	997.26
12/30/1998	964.02	984.95	1014.87	1015.50	1016.08	974.86	996.53
01/26/1999	963.97		1014.55	1015.07	1015.84	973.76	996.27
02/28/1999	964.24	986.35	1014.87	1015.03	1015.25	973.94	995.49
04/20/1999			1014.85	1015.27	1016.34	974.06	996.47
07/13/1999		984.92	1015.25	1015.97	1017.84	974.16	997.07
10/09/1999		985.12	1015.55	1015.67	1016.54	974.26	996.77
01/06/2000							
04/13/2000							
06/26/2000		984.52	1014.39	1014.17	1015.14		
07/05/2000							
09/09/2000							
10/04/2000	964.93	983.81	1014.57	1014.55	1015.45	974.21	997.07
01/17/2001							
02/07/2001							
04/25/2001	966.07	987.02	1014.35	1015.47	1018.04	973.16	997.27
07/20/2001	965.47	Removed	1015.15	1016.17	1017.94	974.36	997.27
10/05/2001	965.07	Removed	1014.95	1015.47	1014.54	974.46	997.27
01/03/2002	964.97	Removed	1014.35	1014.87	1015.64	974.26	997.27
04/29/2002	965.95	Removed	1014.61	1014.73	1015.70	974.46	996.61
07/03/2002	965.47	Removed	1014.45	1014.67	1015.64	974.46	
10/14/2002	965.31	Removed	1014.21	1014.39	1015.30	974.56	996.90
01/27/2003		Removed	1015.75	1014.67	1046.54	973.66	995.77
04/21/2003	965.83	Removed	1013.85	1013.65	1013.68	974.18	996.41
07/10/2003		Removed					
10/01/2003	965.19	Removed	1014.30	1014.35	1015.94	974.30	996.87
04/22/2004	965.57	Removed	1014.45	1015.27	1017.54	974.06	996.97
10/05/2004	964.77	Removed	1013.75	1014.67	1016.14	973.66	996.27

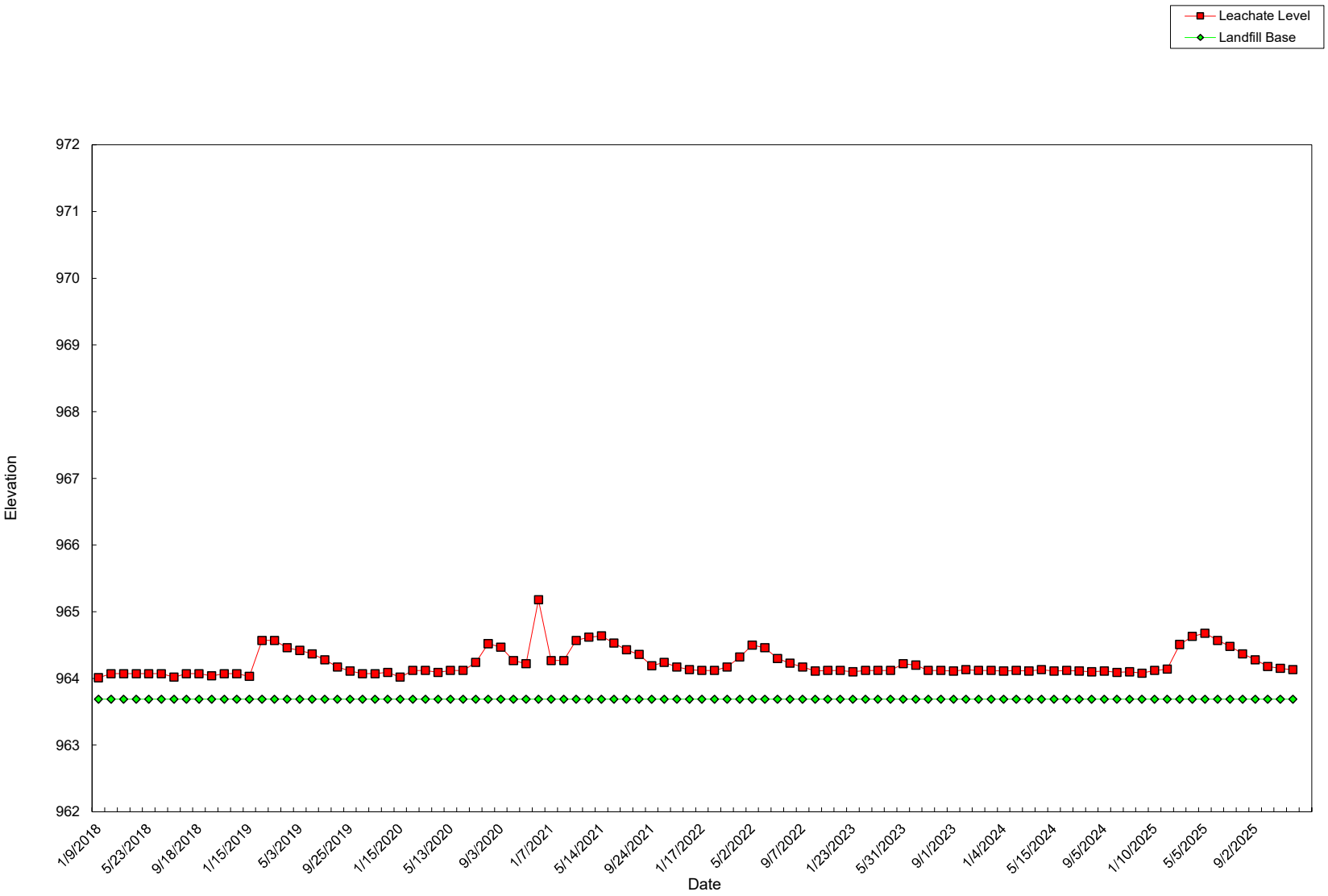
	MARSHALL COUNTY SANITARY LANDFILL						
		64-SDP-2-75P			**Leachate Elevations**		
	MONTHLY WATER ELEVATIONS						
	LHMW 73	**LHMW 74**	**LHMW 75**	**LHPZ 76**	**LHPZ 77**	**LHMW 78**	**LHMW 79**
TOP PVC. ELEV, FT	993.77	1021.72	1049.75	1047.47	1046.54	991.66	1010.27
DATE							
04/01/2005	964.47	Removed	1014.45	1014.27	1016.40	974.16	995.67
07/12/2005	964.67	Removed	1014.45	1014.67	1016.64	974.36	996.17
10/04/2005	964.46	Removed	1014.73	1014.34	1015.48	974.58	996.02
01/09/2006	964.29	Removed	1014.28	1013.73	1013.96	974.07	995.35
02/01/2006		Removed					
04/05/2006	964.16	Removed	1014.27	1014.05	1015.44	974.48	995.08
07/13/2006	964.08	Removed	1014.54	1014.37	1016.21	974.55	995.60
10/05/2006	964.07	Removed	1014.27	1014.22	1016.01	974.54	995.13
01/02/2007	964.06	Removed	1014.44		1015.14		
04/10/2007	964.99	Removed	1014.77	1014.59	1017.22	974.29	994.87
07/30/2007	964.67	Removed	1015.09	1015.46	1017.76	974.59	995.90
10/10/2007	964.53	Removed	1015.01	1015.21	1017.01	974.71	995.53
01/16/2008	964.33	Removed	1014.88	1014.65	1016.03	974.58	995.47
04/01/2008	965.89	Removed	1014.61	1014.70	1017.01	974.52	994.84
06/20/2008		Removed					
08/05/2008		Removed					
10/02/2008	965.27	Removed	1017.05	1015.77	1017.29	974.66	996.37
12/10/2008	964.87	Removed	1016.05		1016.24	974.66	996.27
04/01/2009	965.77	Removed	1017.25	1015.37	1016.54	974.86	996.57
10/21/2009	965.17	Removed	1016.55	1015.47	1017.04	974.56	996.37
01/29/2010			1016.54	1016.02	1018.17	974.56	996.32
04/20/2010	966.17	Removed	1017.55	1017.17	1020.24	974.76	997.07
07/20/2010	965.57	Removed	1017.35	1016.77	1019.29	974.61	997.67
10/08/2010	963.77	Removed	1017.25	1016.17	1017.14	973.96	997.17
01/14/2011	964.87	Removed	1016.50	1015.57	1016.94	974.41	992.57
04/04/2011	965.67	Removed	1017.75	1016.17	1017.44	974.66	996.77
10/05/2011	964.97	Removed	1016.85	1015.97	1017.04	974.76	996.77
01/17/2012	964.67	Removed	1016.65	1015.37	1016.20	974.76	993.52
02/21/2012	964.66	Removed	1017.06	1015.60	1016.68	974.80	996.37
03/29/2012	964.54	Removed	1016.90	1015.70	1016.76	975.01	996.07
04/09/2012	964.47	Removed	1017.45	1015.47	1016.74	975.01	996.17
05/15/2012	964.55	Removed	1017.06	1015.82	1017.35	975.56	996.40
06/08/2012	964.37	Removed	1016.85	1015.67	1017.34	977.26	996.37
07/17/2012	964.30	Removed	1016.85	1015.70	1017.24	975.05	996.80
08/27/2012	964.37	Removed	1016.45	1015.47	1017.34	977.36	996.17
09/25/2012	964.27	Removed	1016.55	1015.47	1016.59	977.26	995.87
10/08/2012	964.07	Removed	1016.75	1015.17	1016.44	974.76	995.87
11/16/2012	964.11	Removed	1015.90	Removed	Removed	976.56	995.13
12/28/2012	964.97	Removed	1016.14	Removed	Removed	977.17	995.10
01/16/2013	964.07	Removed	1016.05	Removed	Removed	975.06	995.37
02/25/2013	964.05	Removed	1016.35	Removed	Removed	974.76	994.89
03/29/2013	964.08	Removed	1016.27	Removed	Removed	974.94	995.29
04/03/2013	964.07	Removed	1016.35	Removed	Removed	974.66	995.12
05/29/2013	964.05	Removed	1017.84	Removed	Removed	975.55	995.98
06/28/2013	964.07	Removed	1018.22	Removed	Removed	975.14	996.63
07/12/2013	964.02	Removed	1017.95	Removed	Removed	974.96	996.67
08/28/2013	964.11	Removed	1018.06	Removed	Removed	975.66	996.15
09/16/2013	964.07	Removed	1017.55	Removed	Removed	974.66	996.27
10/15/2013	964.02	Removed	1017.90	Removed	Removed	975.01	996.27
11/21/2013	964.03	Removed	1017.55	Removed	Removed	974.80	995.16
12/28/2013	964.06	Removed	1017.57	Removed	Removed	974.84	995.72

	MARSHALL COUNTY SANITARY LANDFILL						
		64-SDP-2-75P			**Leachate Elevations**		
	MONTHLY WATER ELEVATIONS						
	LHMW 73	**LHMW 74**	**LHMW 75**	**LHPZ 76**	**LHPZ 77**	**LHMW 78**	**LHMW 79**
TOP PVC. ELEV, FT	993.77	1021.72	1049.75	1047.47	1046.54	991.66	1010.27
DATE							
01/13/2014	964.02	Removed	1017.95	Removed	Removed	974.86	995.57
02/28/2014	964.07	Removed	1017.23	Removed	Removed	974.79	994.72
03/29/2014	964.03	Removed	1017.18	Removed	Removed	974.43	994.79
04/10/2014	964.06	Removed	1017.50	Removed	Removed	974.60	995.03
05/28/2014	964.12	Removed	1017.90	Removed	Removed	974.96	995.59
06/24/2014	964.10	Removed	1017.96	Removed	Removed	974.98	995.70
07/09/2014	964.07	Removed	1017.95	Removed	Removed	975.06	995.87
08/25/2014	964.06	Removed	1018.11	Removed	Removed	975.26	996.06
09/26/2014	964.07	Removed	1017.97	Removed	Removed	975.05	996.62
10/17/2014	964.02	Removed	1018.55	Removed	Removed	974.51	996.42
11/25/2014	964.07	Removed	1018.35	Removed	Removed	974.66	995.77
12/29/2014	964.07	Removed	1017.84	Removed	Removed	974.82	995.92
01/14/2015	964.07	Removed	1017.95	Removed	Removed	974.76	996.12
02/24/2015	964.11	Removed	1018.18	Removed	Removed	974.84	996.07
03/23/2015	964.19	Removed	1018.08	Removed	Removed	975.19	995.72
04/03/2015	964.22	Removed	1018.15	Removed	Removed	974.36	995.17
05/13/2015	964.13	Removed	1018.10	Removed	Removed	974.71	995.83
06/29/2015	964.10	Removed	1018.45	Removed	Removed	976.07	997.47
07/06/2015	964.09	Removed	1018.52	Removed	Removed	974.71	997.45
08/17/2015	964.07	Removed	1018.47	Removed	Removed	974.71	997.47
09/20/2015	964.08	Removed	1018.64	Removed	Removed	974.66	996.99
10/01/2015	964.07	Removed	1018.35	Removed	Removed	974.41	996.12
11/23/2015	964.07	Removed	1018.44	Removed	Removed	974.42	996.40
12/30/2015	963.97	Removed	1018.36	Removed	Removed	974.84	996.56
01/06/2016	964.27	Removed	1018.15	Removed	Removed	974.86	996.27
02/11/2016	964.07	Removed	1018.75	Removed	Removed	974.36	995.17
03/30/2016	964.06	Removed	1019.07	Removed	Removed	974.51	996.62
04/14/2016	964.04	Removed	1019.05	Removed	Removed	974.64	996.32
05/23/2016	964.06	Removed	1019.04	Removed	Removed	974.58	997.16
06/30/2016	964.07	Removed	1018.90	Removed	Removed	974.29	997.05
07/08/2016	964.02	Removed	1019.00	Removed	Removed	974.16	997.03
08/22/2016	964.06	Removed	1018.49	Removed	Removed	974.07	997.09
9/19/2016	964.07	Removed	1018.72	Removed	Removed	974.15	997.27
10/13/2016	964.02	Removed	1018.68	Removed	Removed	974.06	997.35
11/30/2016	964.06	Removed	1019.15	Removed	Removed	974.32	996.89
12/16/2016	964.07	Removed	1018.54	Removed	Removed	974.26	996.59
1/26/2017	964.02	Removed	1018.60	Removed	Removed	974.46	995.82
2/16/2017	964.07	Removed	1018.30	Removed	Removed	974.70	995.77
3/21/2017	964.06	Removed	1018.25	Removed	Removed	974.66	995.37
4/10/2017	964.07	Removed	1019.18	Removed	Removed	974.51	996.33
5/31/2017	964.08	Removed	1019.59	Removed	Removed	974.56	996.23
6/13/2017	964.07	Removed	1019.79	Removed	Removed	974.36	997.46
7/11/2017	964.02	Removed	1019.70	Removed	Removed	974.86	997.45
8/23/2017	963.77	Removed	1020.04	Removed	Removed	974.16	996.57
9/29/2017	964.07	Removed	1018.85	Removed	Removed	974.16	996.33
10/9/2017	963.97	Removed	1018.97	Removed	Removed	974.23	996.31
11/30/2017	964.07	Removed	1018.75	Removed	Removed	974.31	995.72
12/18/2017	964.07	Removed	1018.95	Removed	Removed	974.16	994.57

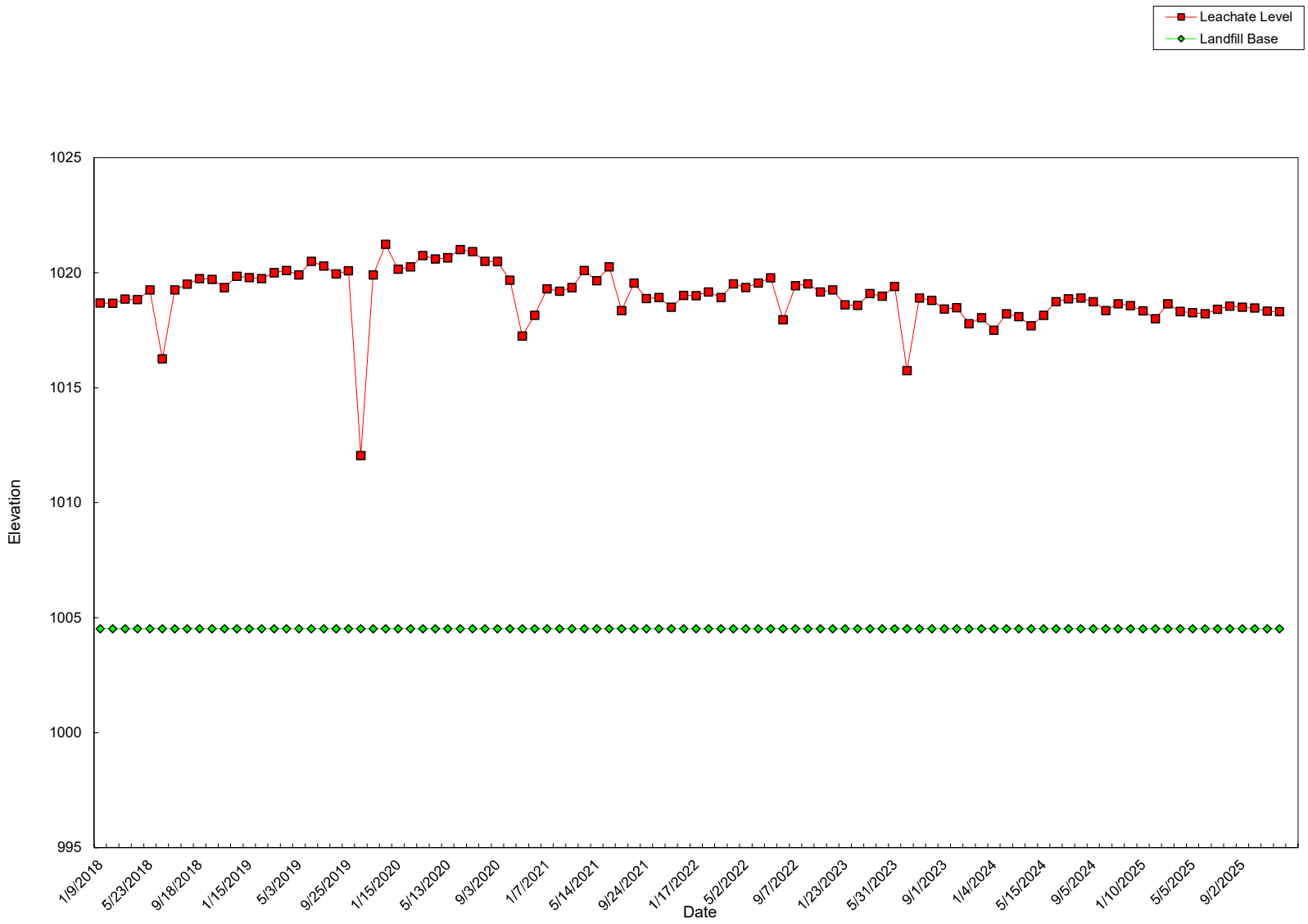
	MARSHALL COUNTY SANITARY LANDFILL						
		64-SDP-2-75P			**Leachate Elevations**		
	MONTHLY WATER ELEVATIONS						
	LHMW 73	**LHMW 74**	**LHMW 75**	**LHPZ 76**	**LHPZ 77**	**LHMW 78**	**LHMW 79**
TOP PVC. ELEV, FT	993.77	1021.72	1049.75	1047.47	1046.54	991.66	1010.27
DATE							
1/9/2018	964.01	Removed	1018.68	Removed	Removed	974.20	993.69
2/23/2018	964.07	Removed	1018.67	Removed	Removed	974.26	995.37
3/9/2018	964.07	Removed	1018.85	Removed	Removed	974.26	992.52
4/2/2018	964.07	Removed	1018.83	Removed	Removed	974.22	993.00
5/23/2018	964.07	Removed	1019.25	Removed	Removed	974.66	996.32
6/18/2018	964.07	Removed	1016.25	Removed	Removed	974.21	993.77
7/2/2018	964.02	Removed	1019.25	Removed	Removed	974.55	995.30
8/14/2018	964.07	Removed	1019.50	Removed	Removed	974.36	996.67
9/18/2018	964.07	Removed	1019.75	Removed	Removed	974.36	995.37
10/22/2018	964.04	Removed	1019.71	Removed	Removed	974.35	995.56
11/13/2018	964.07	Removed	1019.35	Removed	Removed	974.50	995.77
12/11/2018	964.07	Removed	1019.85	Removed	Removed	974.46	995.62
1/15/2019	964.03	Removed	1019.79	Removed	Removed	974.27	995.36
2/28/2019	964.57	Removed	1019.75	Removed	Removed	974.41	995.72
3/28/2019	964.57	Removed	1020.00	Removed	Removed	974.21	995.32
4/22/2019	964.46	Removed	1020.10	Removed	Removed	974.27	995.20
5/3/2019	964.42	Removed	1019.90	Removed	Removed	974.44	995.72
6/19/2019	964.37	Removed	1020.50	Removed	Removed	974.36	997.72
7/8/2019	964.28	Removed	1020.29	Removed	Removed	974.10	997.92
8/23/2019	964.17	Removed	1019.95	Removed	Removed	974.16	997.37
9/25/2019	964.11	Removed	1020.08	Removed	Removed	974.06	997.09
10/23/2019	964.07	Removed	1012.05	Removed	Removed	974.11	996.84
11/14/2019	964.07	Removed	1019.90	Removed	Removed	974.14	996.47
12/12/2019	964.09	Removed	1021.23	Removed	Removed	974.18	997.50
1/15/2020	964.02	Removed	1020.15	Removed	Removed	974.05	997.28
2/5/2020	964.12	Removed	1020.25	Removed	Removed	974.16	996.82
3/3/2020	964.12	Removed	1020.75	Removed	Removed	974.46	997.17
4/10/2020	964.09	Removed	1020.60	Removed	Removed	974.16	997.87
5/13/2020	964.12	Removed	1020.65	Removed	Removed	974.21	998.47
6/3/2020	964.12	Removed	1021.00	Removed	Removed	974.59	998.33
7/8/2020	964.24	Removed	1020.92	Removed	Removed	974.08	998.46
8/4/2020	964.52	Removed	1020.50	Removed	Removed	973.91	998.12
9/3/2020	964.47	Removed	1020.49	Removed	Removed	974.31	997.96
10/23/2020	964.27	Removed	1019.68	Removed	Removed	974.03	996.87
11/30/2020	964.22	Removed	1017.25	Removed	Removed	974.06	996.27
12/18/2020	965.18	Removed	1018.15	Removed	Removed	974.06	996.16
1/7/2021	964.27	Removed	1019.30	Removed	Removed	974.11	995.70
2/19/2021	964.27	Removed	1019.20	Removed	Removed	974.09	995.52
3/9/2021	964.57	Removed	1019.35	Removed	Removed	974.26	995.56
4/5/2021	964.62	Removed	1020.09	Removed	Removed	974.52	995.79
5/14/2021	964.64	Removed	1019.65	Removed	Removed	974.15	995.98
6/9/2021	964.53	Removed	1020.25	Removed	Removed	974.11	996.17
7/1/2021	964.43	Removed	1018.35	Removed	Removed	974.01	996.17
8/5/2021	964.36	Removed	1019.55	Removed	Removed	973.91	996.27
9/24/2021	964.19	Removed	1018.88	Removed	Removed	973.76	995.76
10/8/2021	964.24	Removed	1018.92	Removed	Removed	974.26	995.74
11/2/2021	964.17	Removed	1018.50	Removed	Removed	973.83	995.46
12/3/2021	964.13	Removed	1019.01	Removed	Removed	974.10	995.91

	MARSHALL COUNTY SANITARY LANDFILL						
		64-SDP-2-75P			**Leachate Elevations**		
	MONTHLY WATER ELEVATIONS						
	LHMW 73	**LHMW 74**	**LHMW 75**	**LHPZ 76**	**LHPZ 77**	**LHMW 78**	**LHMW 79**
TOP PVC. ELEV, FT	993.77	1021.72	1049.75	1047.47	1046.54	991.66	1010.27
DATE							
1/17/2022	964.12	Removed	1019.00	Removed	Removed	974.35	995.39
2/1/2022	964.12	Removed	1019.16	Removed	Removed	974.17	994.37
3/2/2022	964.17	Removed	1018.92	Removed	Removed	974.22	994.81
4/6/2022	964.32	Removed	1019.51	Removed	Removed	974.20	993.46
5/2/2022	964.50	Removed	1019.36	Removed	Removed	974.16	995.47
6/1/2022	964.46	Removed	1019.55	Removed	Removed	974.12	996.39
7/8/2022	964.30	Removed	1019.77	Removed	Removed	974.14	996.56
8/11/2022	964.23	Removed	1017.95	Removed	Removed	974.05	996.26
9/7/2022	964.17	Removed	1019.43	Removed	Removed	974.17	995.73
10/25/2022	964.11	Removed	1019.51	Removed	Removed	974.10	993.67
11/1/2022	964.12	Removed	1019.16	Removed	Removed	974.00	995.57
12/8/2022	964.12	Removed	1019.25	Removed	Removed	973.94	994.50
1/23/2023	964.10	Removed	1018.60	Removed	Removed	974.06	994.27
2/2/2023	964.12	Removed	1018.58	Removed	Removed	974.05	995.11
3/23/2023	964.12	Removed	1019.09	Removed	Removed	974.16	996.12
4/11/2023	964.12	Removed	1018.98	Removed	Removed	974.09	995.98
5/31/2023	964.22	Removed	1019.40	Removed	Removed	974.20	996.06
6/12/2023	964.20	Removed	1015.75	Removed	Removed	974.14	996.13
7/7/2023	964.12	Removed	1018.90	Removed	Removed	974.07	996.24
8/2/2023	964.12	Removed	1018.80	Removed	Removed	974.30	996.44
9/1/2023	964.11	Removed	1018.42	Removed	Removed	974.11	996.01
10/13/2023	964.13	Removed	1018.48	Removed	Removed	974.26	995.62
11/2/2023	964.12	Removed	1017.78	Removed	Removed	974.05	994.37
12/4/2023	964.12	Removed	1018.04	Removed	Removed	974.02	995.15
1/4/2024	964.11	Removed	1017.49	Removed	Removed	973.95	994.63
2/8/2024	964.12	Removed	1018.21	Removed	Removed	973.91	995.22
3/12/2024	964.11	Removed	1018.09	Removed	Removed	974.00	994.76
4/17/2024	964.13	Removed	1017.70	Removed	Removed	974.23	994.87
5/15/2024	964.11	Removed	1018.15	Removed	Removed	974.29	995.52
6/25/2024	964.12	Removed	1018.74	Removed	Removed	974.49	996.31
7/23/2024	964.11	Removed	1018.86	Removed	Removed	974.48	996.42
8/8/2024	964.10	Removed	1018.89	Removed	Removed	974.45	996.81
9/5/2024	964.11	Removed	1018.74	Removed	Removed	974.45	996.76
10/15/2024	964.09	Removed	1018.35	Removed	Removed	974.28	995.93
11/18/2024	964.10	Removed	1018.65	Removed	Removed	974.34	995.73
12/9/2024	964.08	Removed	1018.57	Removed	Removed	974.30	995.90
1/10/2025	964.12	Removed	1018.34	Removed	Removed	974.17	995.75
2/11/2025	964.14	Removed	1018.00	Removed	Removed	974.01	995.23
3/14/2025	964.51	Removed	1018.65	Removed	Removed	974.37	995.93
4/14/2025	964.63	Removed	1018.31	Removed	Removed	974.14	995.56
5/5/2025	964.68	Removed	1018.26	Removed	Removed	974.11	996.34
6/6/2025	964.57	Removed	1018.21	Removed	Removed	974.15	996.50
7/2/2025	964.48	Removed	1018.41	Removed	Removed	974.20	996.81
8/7/2025	964.37	Removed	1018.55	Removed	Removed	974.15	997.71
9/2/2025	964.28	Removed	1018.50	Removed	Removed	974.10	997.30
10/6/2025	964.18	Removed	1018.46	Removed	Removed	974.13	996.45
11/6/2025	964.15	Removed	1018.33	Removed	Removed	974.12	995.61
12/31/2025	964.13	Removed	1018.30	Removed	Removed	974.17	995.36

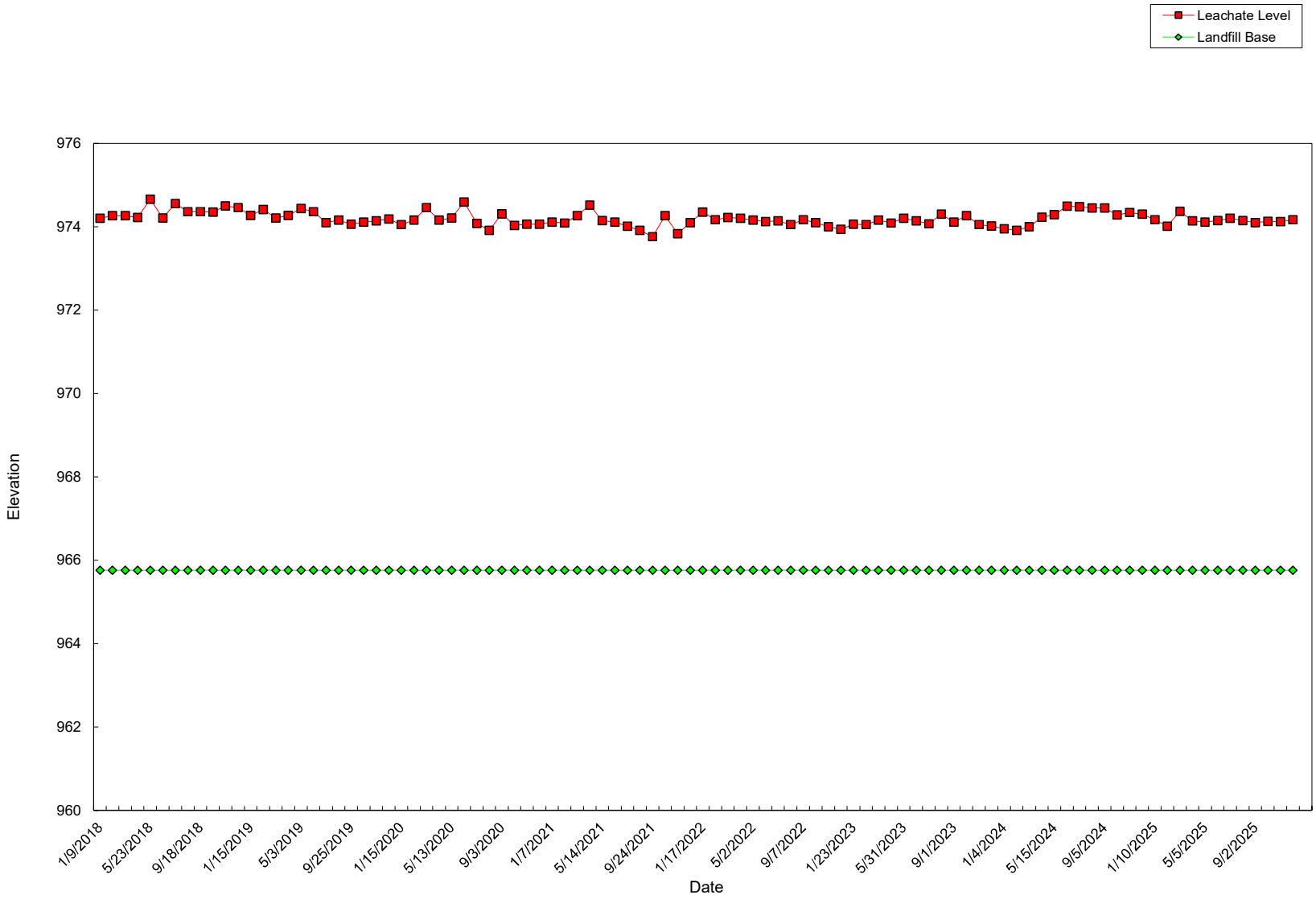
LHMW-73


Leachate Level
Landfill Base
Elevation
972
971
970
969
968
967
966
965
964
963
962
1/9/2018
5/23/2018
9/18/2018
1/15/2019
5/3/2019
9/25/2019
1/15/2020
5/13/2020
9/3/2020
1/7/2021
5/14/2021
9/24/2021
1/17/2022
5/2/2022
9/7/2022
1/23/2023
5/31/2023
9/1/2023
1/4/2024
5/15/2024
9/5/2024
1/10/2025
5/5/2025
9/2/2025
Date

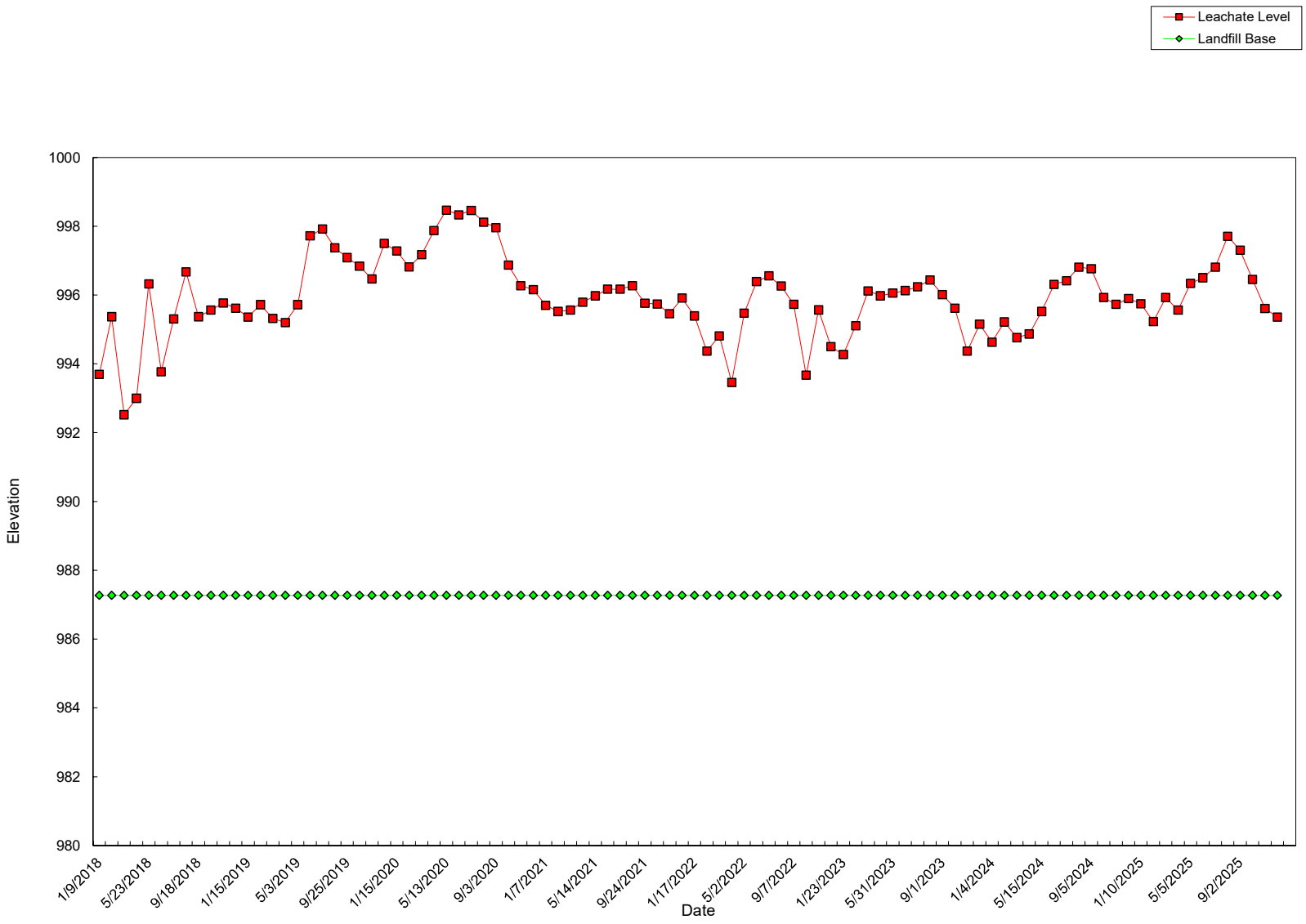
LHMW-75


Leachate Level
Landfill Base
Elevation
1025
1020
1015
1010
1005
1000
995
1/9/2018
5/23/2018
9/18/2018
1/15/2019
5/3/2019
9/25/2019
1/15/2020
5/13/2020
9/3/2020
1/7/2021
5/14/2021
9/24/2021
1/17/2022
5/2/2022
9/7/2022
1/23/2023
5/31/2023
9/1/2023
1/4/2024
5/15/2024
9/5/2024
1/10/2025
5/5/2025
9/2/2025
Date

LHMW-78


Leachate Level
Landfill Base
Elevation
976
974
972
970
968
966
964
962
960
1/9/2018
5/23/2018
9/18/2018
1/15/2019
5/3/2019
9/25/2019
1/15/2020
5/13/2020
9/3/2020
1/7/2021
5/14/2021
9/24/2021
1/17/2022
5/2/2022
9/7/2022
1/23/2023
5/31/2023
9/1/2023
1/4/2024
5/15/2024
9/5/2024
1/10/2025
5/5/2025
9/2/2025
Date

LHMW-79


Leachate Level
Landfill Base
Elevation
1000
998
996
994
992
990
988
986
984
982
980
1/9/2018
5/23/2018
9/18/2018
1/15/2019
5/3/2019
9/25/2019
1/15/2020
5/13/2020
9/3/2020
1/7/2021
5/14/2021
9/24/2021
1/17/2022
5/2/2022
9/7/2022
1/23/2023
5/31/2023
9/1/2023
1/4/2024
5/15/2024
9/5/2024
1/10/2025
5/5/2025
9/2/2025
Date

Appendix G.3 – Treatment Agreement with Marshalltown

the City of Marshalltown

The City of Marshalltown, Iowa
Joel T.S. Greer, Mayor
Jessica Kinser, City Administrator
Bob Ranson, Superintendent WPC
1001 Woodland Street
Marshalltown, IA 50158-1810
Tel - (641) 754-5709
Fax - (641) 754-5741
Email - branson@marshalltown-ia.gov

WATER POLLUTION CONTROL

Date: September 1, 2022

To: Wastewater Discharge Permit Holders

From: Bob Ranson, Superintendent

Re: New Wastewater Discharge Permits

Enclosed is your wastewater discharge permit, renewed for three (3) years, effective January 1, 2023. Please maintain a copy of this permit in your pretreatment facility. Additionally, I will be sending signed electronic copies of your wastewater discharge permit.

Please let me know if you have any questions.

Sincerely,

Bob Ranson

CITY COUNCIL: Al Hoop, Gabriel Isom, Barry Kell, Mike Ladehoff, Jeff Schneider, Gary Thompson, Dex Walker

CITY OF MARSHALLTOWN
Water Pollution Control Plant

SIGNIFICANT INDUSTRIAL USER
WASTEWATER DISCHARGE PERMIT

Permit No. MCL0123

In accordance with all terms and conditions of the Marshalltown Industrial Pretreatment Ordinance, and also with any applicable provisions of Federal or State law or regulation:

Permission is Hereby Granted to:

Marshall County Landfill
PO Box 217
2313 Marshalltown Blvd.
Marshalltown, Iowa 50158

Classified for the contribution of Landfill Leachate to the City of Marshalltown sanitary sewer lines and the Marshalltown Wastewater Treatment Plant.

This permit is granted in accordance with the application filed on **July 11, 2022**, in the office of the **Superintendent of the Marshalltown POTW**, and in conformity with plans, specifications, and other data submitted to the Superintendent in support of the above application, all of which are filed with and considered as part of this permit, together with the following conditions and requirements.

Effective: January 1, 2023
To expire: December 31, 2025

Bob Ranson, Superintendent
Water Pollution Control Plant

PERMIT LIMITATIONS

Compatible Waste in Contribution (Organics)	Not to Exceed	Maximum for 24-hour Period	Sample Type
Flow	65 gal./minute	93,600 gal.	
BOD_5	200 mg/L *		
Total Suspended Solids, lbs.	200 mg/L *		
TKN	75mg/L *		
Oil & Grease, mg/L			
See Note #1			

*Surcharge rates apply above these values (these are not permit limits)

Range of pH level in contribution 5.5 - 11.0. Peak hourly flow contribution of _____

Hours of operation during the peak day of operation _____ Days of operation/wk _____

Incompatible Wastes in Contribution (metals)	Monthly Average	Maximum for any 24 hour period	Sample Type
See Note #1			

Test Methods
All samples analyzed according to 40 CFR Part 136 and/or OA-1 and OA-2.

ADDENDUM #1

General Operating Conditions

24 hours/day with a flow rate not to exceed 65 gallons/minute.

Landfill agrees to maintain the sewer line from the leachate lagoon to the City sanitary sewer on Lincoln Way, west of Highland Acres Road. MH # E09-011.

Landfill agrees to promptly pay all sewage treatment costs as outlined by the City's User Charge Ordinance.

Note #1: No limit will be applied to metal and/or organics at this time. If tests indicate the presence of metals or organics, discharge limits will be developed.

Monitoring Requirements

During each discharge event from the leachate lagoon system, a composite sample will be collected consisting of six (6) equal grabs evenly spaced over a six hour period. The collection point will be from the force main discharge to the sanitary sewer. The sample will be analyzed for the compatible wastes listed on page two of the permit, and the heavy metals, Cadmium (Cd), Chrome (Cr), Copper (Cu), Lead (Pb), Nickel (Ni), and Zinc (Zn). The sample shall be delivered to the WPCP for analysis in accordance with City procedures. At the time of one of the grab sample collections, Landfill staff will measure and record pH using a WPCP pH meter.

This sample will be used to calculate the monthly surcharge rate. The Landfill can bring in other samples to be tested to change the monthly average.

A complete Priority Pollutant Scan shall be run every five (5) years on a representative sample of the lagoon leachate content.

If a new landfill site is opened and the leach field is connected to the existing lagoon, a Priority Pollutant scan should be run within 30 days of connection. If there is no flow to the lagoon from the new site, then wait until a representative sample can be taken.

Industry is required to resample and resubmit results within 30 days following a violation and is responsible for self-monitoring in case the City is unable to conduct sampling analysis.

Reporting Requirements

1) A monthly flow report containing daily flow totals shall be an original document signed by the appropriate industry representative and mailed or hand delivered, within the first five (5) working days of the following month.

2) A copy of all leachate analysis required or provided to the Iowa Department of Natural Resources (IDNR) shall be submitted to the City within 15 days of submittal to the IDNR.

Note: Daily flow readings will be taken from an approved flow meter.

Flow report shall be sent to:

Bob Ranson
Superintendent
Marshalltown WPCP
1001 Woodland Street
Marshalltown, Iowa 50158-1810
Phone (641) 754-5709
Fax (641) 754-5741

STANDARD PERMIT CONDITIONS

Marshalltown City Code available at: https://marshalltown-ia.gov/ (Chapter 28 Water and Sewers).

1) Inspection of premises
City personnel shall have the right to enter a permitted industry's property for inspection and/or sampling. (Ordinance Section 28.92)

2) Maintenance of records
You are required to maintain records of your operation in accordance with Ordinance Section 28-94 for three (3) years.

3) Penalty provisions
Failure to comply with any permit conditions can result in enforcement action as stated in Ordinance Section 28-97.

4) Revocation of permit
The City may revoke a permit if any of the provisions of (Ordinance Section 28-97 (b)) are not met.

5) Permit transfer
Wastewater discharge permits are issued to a specific user for a specific operation. A wastewater discharge permit shall not be reassigned or transferred or sold to a new owner, new user, different premises, or a new or changed operation without the approval of the City. Any succeeding owner or user shall also comply with the terms and conditions of the existing permit. (Ordinance Section 28-88(f))

6) Notification of slug load/accidental discharge
Permit holders are required to notify the POTW immediately of any slug load/accidental discharge to the sanitary sewer system. (Ordinance Section 28-89 (f)(g))

7) Accidental discharge/slug control plans
The City may require any industrial user to develop and implement an accidental discharge/slug control plan. (Ordinance Section 28-85)

8) Civil/Criminal penalties
Industrial users are subject to civil/criminal penalties if they violate any permit/ordinance conditions.

9) Permit renewal
An application for permit renewal shall be submitted to the Water Pollution Control Plant 90 days prior to the expiration date of the current permit. (Ordinance section 28-88(e))

10) Notification of changes in wastewater discharge
The Permittee shall promptly notify the City of any new introduction of wastewater constituents or any substantial change in the volume or character of the wastewater constituents being introduced into the wastewater treatment system. (Ordinance section 28-88(g))

11) Application of other authority
This permit does not relieve you of the responsibility to comply with all local, State, and Federal laws, ordinances, regulations or other legal requirements applying to the operation of your facility or your discharge.

12) Periodic report on continued compliance 40 CFR, Section 403.12(e)
Categorical and noncategorical industrial users are required to report on their regulated waste discharges to the control authority at least semiannually. The regulations (section 403.12(e)(1)) state that the reports are to contain information indicating the nature and concentration of pollutants in the effluent that are limited by such categorical pretreatment standards. For some categorical TTO standards, the categorical regulation provides for the use of a certification as a substitute for sampling and analysis results. In addition, this report shall include a record of measured or estimated average daily flows for the reporting period. If the city performs all of the monitoring and sampling requirements of the industrial user's permit, every six months the City will send all permitted industrial users a standard six-month compliance form for the industrial user to certify compliance.

13) Additional monitoring
Any Significant Industrial User (SIU) that conducts self-monitoring in lieu of the City conducting all of the monitoring must submit all monitoring data to the City. If a SIU conducts sampling more frequently than the minimum required by their permit, all of the sampling data must be submitted to the City.

14) Testing responsibility
If the City of Marshalltown Water Pollution Control Plant Laboratory provides testing services for an industry and is unable to conduct testing for permit compliance, the industry is still responsible for testing and data submittal.

Appendix G.4- Leachate Volumes Discharged to the POTW

Annual Leachate Discharge to POTW
Marshall County Sanitary Landfill

2025

Month	**Gallons Discharged**
January	650,328
February	
March	
April	1,180,520
May	
June	
July	1,069,704
August	
September	
October	
November	
December	
	2,900,552

Appendix G.5 – Leachate Analyses by POTW

City of Marshalltown, Iowa
Water Pollution Control Plant
1/1/2025 - 1/31/2025

Marshall County Landfill
Marshalltown, Iowa

Facility Number: 6469001
IA Lab Cert. # 141

Marshall County Landfill Daily 1/1/2025 - 1/31/2025	Flow GPD	BOD 5 MG/L	BOD 5 LB	TSS (mg/L)	TSS LB	Ammonia MG/L	Ammonia LB	TKN MG/L	TKN LB
1/1/2025									
1/2/2025									
1/3/2025									
1/4/2025									
1/5/2025									
1/6/2025									
1/7/2025									
1/8/2025									
1/9/2025									
1/10/2025									
1/11/2025									
1/12/2025									
1/13/2025									
1/14/2025									
1/15/2025	49,176	64.00	26.248	15	6.15			137.0	56.188
1/16/2025	65,568	64.00	34.998	15	8.20			137.0	74.917
1/17/2025	65,568	64.00	34.998	15	8.20			137.0	74.917
1/18/2025	65,568	64.00	34.998	15	8.20			137.0	74.917
1/19/2025	65,568	64.00	34.998	15	8.20			137.0	74.917
1/20/2025	65,568	64.00	34.998	15	8.20			137.0	74.917
1/21/2025	65,568	64.00	34.998	15	8.20			137.0	74.917
1/22/2025	65,568	64.00	34.998	15	8.20			137.0	74.917
1/23/2025	65,568	64.00	34.998	15	8.20			137.0	74.917
1/24/2025	65,568	64.00	34.998	15	8.20			137.0	74.917
1/25/2025	11,040	64.00	5.893	15	1.38			137.0	12.614
1/26/2025									
1/27/2025									
1/28/2025									
1/29/2025									
1/30/2025									
1/31/2025									
Sum	650,328	704.00	347.119	165	81.36			1,507.0	743.052
Avg	59,121	64.00	31.556	15	7.40			137.0	67.550
Max	65,568	64.00	34.998	15	8.20			137.0	74.917
Min	11,040	64.00	5.893	15	1.38			137.0	12.614

Bob Ranson, Superintendent

MARSHALL COUNTY LANDFILL
MONTHLY MONITORING REPORT
MONTH: January
YEAR: 2025

DATE	FLOW MGD	BOD mg/L	BOD LBS	pH	TSS mg/L	TSS LBS	TKN mg/L	TKN LBS
1			0.00			0		0
2			0.00			0		0
3			0.00			0		0
4			0.00			0		0
5			0.00			0		0
6			0.00			0		0
7			0.00			0		0
8			0.00			0		0
9			0.00			0		0
10			0.00			0		0
11			0.00			0		0
12			0.00			0		0
13			0.00			0		0
14			0.00			0		0
15	0.0492	64	26.25	8.33	15	6	137.0	56
16	0.0656	64	35.00	8.33	15	8	137.0	75
17	0.0656	64	35.00	8.33	15	8	137.0	75
18	0.0656	64	35.00	8.33	15	8	137.0	75
19	0.0656	64	35.00	8.33	15	8	137.0	75
20	0.0656	64	35.00	8.33	15	8	137.0	75
21	0.0656	64	35.00	8.33	15	8	137.0	75
22	0.0656	64	35.00	8.33	15	8	137.0	75
23	0.0656	64	35.00	8.33	15	8	137.0	75
24	0.0656	64	35.00	8.33	15	8	137.0	75
25	0.0110	64	5.89	8.33	15	1	137.0	13
26			0.00			0		0
27			0.00			0		0
28			0.00			0		0
29			0.00			0		0
30			0.00			0		0
31			0.00			0		0
TOTAL	0.6503		347			81		743
AVE	0.0591	64	32	8.33	15	7		68
MAX	0.0656	64	35	8.33	15	8	137.0	75
MIN	0.0110	64	0	8.33	15	0	137.0	0

Sample was brought in on 1-16-25

MARSHALL COUNTY LANDFILL
MONTHLY MONITORING REPORT
MONTH: January
YEAR: 2025

DATE	FLOW MGD	BOD mg/L	BOD-200 mg/L	BOD LBS	TSS mg/L	TSS-200 mg/L	TSS LBS	TKN mg/L	TKN-75 mg/L	TKN LBS
1	0.0000	0	0	0	0	0	0	0.0	0	0
2	0.0000	0	0	0	0	0	0	0.0	0	0
3	0.0000	0	0	0	0	0	0	0.0	0	0
4	0.0000	0	0	0	0	0	0	0.0	0	0
5	0.0000	0	0	0	0	0	0	0.0	0	0
6	0.0000	0	0	0	0	0	0	0.0	0	0
7	0.0000	0	0	0	0	0	0	0.0	0	0
8	0.0000	0	0	0	0	0	0	0.0	0	0
9	0.0000	0	0	0	0	0	0	0.0	0	0
10	0.0000	0	0	0	0	0	0	0.0	0	0
11	0.0000	0	0	0	0	0	0	0.0	0	0
12	0.0000	0	0	0	0	0	0	0.0	0	0
13	0.0000	0	0	0	0	0	0	0.0	0	0
14	0.0000	0	0	0	0	0	0	0.0	0	0
15	0.0492	64	0	0	15	0	0	137.0	62	25
16	0.0656	64	0	0	15	0	0	137.0	62	34
17	0.0656	64	0	0	15	0	0	137.0	62	34
18	0.0656	64	0	0	15	0	0	137.0	62	34
19	0.0656	64	0	0	15	0	0	137.0	62	34
20	0.0656	64	0	0	15	0	0	137.0	62	34
21	0.0656	64	0	0	15	0	0	137.0	62	34
22	0.0656	64	0	0	15	0	0	137.0	62	34
23	0.0656	64	0	0	15	0	0	137.0	62	34
24	0.0656	64	0	0	15	0	0	137.0	62	34
25	0.0110	64	0	0	15	0	0	137.0	62	6
26	0.0000	0	0	0	0	0	0	0.0	0	0
27	0.0000	0	0	0	0	0	0	0.0	0	0
28	0.0000	0	0	0	0	0	0	0.0	0	0
29	0.0000	0	0	0	0	0	0	0.0	0	0
30	0.0000	0	0	0	0	0	0	0.0	0	0
31	0.0000	0	0	0	0	0	0	0.0	0	0
TOTAL	0.6503			0			0			336

0	#CBOD*0.618=		0.00
0	#SS*0.371=		0.00
336.272	#TKN*0.402=		135.18
	TOTAL	$	135.18

MARSHALL COUNTY LANDFILL 2025

MARSHALL COUNTY LANDFILL 2025

DATE	FLOW MGD	pH	Cd mg/L	Cd LBS	Cr mg/L	Cr LBS	Cu mg/L	Cu LBS	Pb mg/L	PB LBS
1/16/25	0.0656	8.33	<0.00025	0.00	0.013	0.0073	<0.002	0.0000	0.000975	0.0005
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
AVE	0.0656	8.33	#DIV/0!	0	0.013	0.0009	#DIV/0!	0.0000	0.0010	0.0001
MAX	0.0656	8.33	0.000	0.000	0.013	0.01	0.00	0.00	0.00	0.00
MIN	0.0656	8.33	0.000	0.000	0.013	0.00	0.00	0.00	0.00	0.00

DATE	FLOW MGD	Ni mg/L	Ni lbs	Zn mg/L	Zn lbs
1/16/25	0.0656	0.02855	0.02	0.028	0.0153
1/00/00	0.0000		0.00		0.0000
1/00/00	0.0000		0.00		0.0000
1/00/00	0.0000		0.00		0.0000
1/00/00	0.0000		0.00		0.0000
1/00/00	0.0000		0.00		0.0000
1/00/00	0.0000		0.00		0.0000
1/00/00	0.0000		0.00		0.0000
1/00/00	0.0000		0.00		0.0000
1/00/00	0.0000		0.00		0.0000
1/00/00	0.0000		0.00		0.0000
1/00/00	0.0000		0.00		0.0000
AVE	#REF!	#REF!	0.002	0.028	0.0017
MAX	#REF!	#REF!	0.02	0.028	0.015
MIN	#REF!	#REF!	0.00	0.028	0.000

City of Marshalltown, Iowa
Water Pollution Control Plant
4/1/2025 - 4/30/2025

Marshall County Landfill
Marshalltown, Iowa

Facility Number: 6469001
IA Lab Cert. # 141

Marshall County Landfill Daily 4/1/2025 - 4/30/2025	Flow GPD	BOD 5 MG/L	BOD 5 LB	TSS (mg/L)	TSS LB	Ammonia MG/L	Ammonia LB	TKN MG/L	TKN LB
4/1/2025	34,884	31.00	9.019	44	12.80			60.5	17.601
4/2/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/3/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/4/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/5/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/6/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/7/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/8/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/9/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/10/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/11/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/12/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/13/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/14/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/15/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/16/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/17/2025	69,768	31.00	18.038	44	25.60			60.5	35.203
4/18/2025	29,348	31.00	7.588	44	10.77			60.5	14.808
4/19/2025									
4/20/2025									
4/21/2025									
4/22/2025									
4/23/2025									
4/24/2025									
4/25/2025									
4/26/2025									
4/27/2025									
4/28/2025									
4/29/2025									
4/30/2025									
Sum	1,180,520	558.00	305.212	792	433.20			1,089.0	595.655
Avg	65,584	31.00	16.956	44	24.07			60.5	33.092
Max	69,768	31.00	18.038	44	25.60			60.5	35.203
Min	29,348	31.00	7.588	44	10.77			60.5	14.808

Bob Ranson, Superintendent

MARSHALL COUNTY LANDFILL
MONTHLY MONITORING REPORT
MONTH: April
YEAR: 2025

DATE	FLOW MGD	BOD mg/L	BOD LBS	pH	TSS mg/L	TSS LBS	TKN mg/L	TKN LBS
1	0.0349	31	9.02	7.62	44	13	60.5	18
2	0.0698	31	18.04	7.62	44	26	60.5	35
3	0.0698	31	18.04	7.62	44	26	60.5	35
4	0.0698	31	18.04	7.62	44	26	60.5	35
5	0.0698	31	18.04	7.62	44	26	60.5	35
6	0.0698	31	18.04	7.62	44	26	60.5	35
7	0.0698	31	18.04	7.62	44	26	60.5	35
8	0.0698	31	18.04	7.62	44	26	60.5	35
9	0.0698	31	18.04	7.62	44	26	60.5	35
10	0.0698	31	18.04	7.62	44	26	60.5	35
11	0.0698	31	18.04	7.62	44	26	60.5	35
12	0.0698	31	18.04	7.62	44	26	60.5	35
13	0.0698	31	18.04	7.62	44	26	60.5	35
14	0.0698	31	18.04	7.62	44	26	60.5	35
15	0.0698	31	18.04	7.62	44	26	60.5	35
16	0.0698	31	18.04	7.62	44	26	60.5	35
17	0.0698	31	18.04	7.62	44	26	60.5	35
18	0.0293	31	7.59	7.62	44	11	60.5	15
19			0.00			0		0
20			0.00			0		0
21			0.00			0		0
22			0.00			0		0
23			0.00			0		0
24			0.00			0		0
25			0.00			0		0
26			0.00			0		0
27			0.00			0		0
28			0.00			0		0
29			0.00			0		0
30			0.00			0		0
TOTAL	1.1805		305			433		596
AVE	0.0656	31	17	7.62	44	24		33
MAX	0.0698	31	18	7.62	44	26	60.5	35
MIN	0.0293	31	0	7.62	44	0	60.5	0

Sample was brought in on 4-3-25

MARSHALL COUNTY LANDFILL
MONTHLY MONITORING REPORT
MONTH: April
YEAR: 2025

DATE	FLOW MGD	BOD mg/L	BOD-200 mg/L	BOD LBS	TSS mg/L	TSS-200 mg/L	TSS LBS	TKN mg/L	TKN-75 mg/L	TKN LBS
1	0.0349	31	0	0	44	0	0	60.5	0	0
2	0.0698	31	0	0	44	0	0	60.5	0	0
3	0.0698	31	0	0	44	0	0	60.5	0	0
4	0.0698	31	0	0	44	0	0	60.5	0	0
5	0.0698	31	0	0	44	0	0	60.5	0	0
6	0.0698	31	0	0	44	0	0	60.5	0	0
7	0.0698	31	0	0	44	0	0	60.5	0	0
8	0.0698	31	0	0	44	0	0	60.5	0	0
9	0.0698	31	0	0	44	0	0	60.5	0	0
10	0.0698	31	0	0	44	0	0	60.5	0	0
11	0.0698	31	0	0	44	0	0	60.5	0	0
12	0.0698	31	0	0	44	0	0	60.5	0	0
13	0.0698	31	0	0	44	0	0	60.5	0	0
14	0.0698	31	0	0	44	0	0	60.5	0	0
15	0.0698	31	0	0	44	0	0	60.5	0	0
16	0.0698	31	0	0	44	0	0	60.5	0	0
17	0.0698	31	0	0	44	0	0	60.5	0	0
18	0.0293	31	0	0	44	0	0	60.5	0	0
19	0.0000	0	0	0	0	0	0	0.0	0	0
20	0.0000	0	0	0	0	0	0	0.0	0	0
21	0.0000	0	0	0	0	0	0	0.0	0	0
22	0.0000	0	0	0	0	0	0	0.0	0	0
23	0.0000	0	0	0	0	0	0	0.0	0	0
24	0.0000	0	0	0	0	0	0	0.0	0	0
25	0.0000	0	0	0	0	0	0	0.0	0	0
26	0.0000	0	0	0	0	0	0	0.0	0	0
27	0.0000	0	0	0	0	0	0	0.0	0	0
28	0.0000	0	0	0	0	0	0	0.0	0	0
29	0.0000	0	0	0	0	0	0	0.0	0	0
30	0.0000	0	0	0	0	0	0	0.0	0	0
TOTAL	1.1805			0			0			0

0	#CBOD*0.618=		0.00
0	#SS*0.371=		0.00
0	#TKN*0.402=		0.00
	TOTAL	$	0.00

MARSHALL COUNTY LANDFILL 2025

DATE	FLOW MGD	pH	Cd mg/L	Cd LBS	Cr mg/L	Cr LBS	Cu mg/L	Cu LBS	Pb mg/L	PB LBS
01/16/25	0.0656	8.33	<0.00025	0.00	0.013	0.0073	<0.002	0.0000	0.000975	0.0005
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
				0.00		0.0000		0.0000		0.0000
AVE	0.0656	8.33	#DIV/0!	0	0.013	0.0009	#DIV/0!	0.0000	0.0010	0.0001
MAX	0.0656	8.33	0.000	0.000	0.013	0.01	0.00	0.00	0.00	0.00
MIN	0.0656	8.33	0.000	0.000	0.013	0.00	0.00	0.00	0.00	0.00

MARSHALL COUNTY LANDFILL 2025

DATE	FLOW MGD	Ni mg/L	Ni lbs	Zn mg/L	Zn lbs
01/16/25	0.0656	0.02855	0.02	0.028	0.0153
01/00/00	0.0000		0.00		0.0000
01/00/00	0.0000		0.00		0.0000
01/00/00	0.0000		0.00		0.0000
01/00/00	0.0000		0.00		0.0000
01/00/00	0.0000		0.00		0.0000
01/00/00	0.0000		0.00		0.0000
01/00/00	0.0000		0.00		0.0000
01/00/00	0.0000		0.00		0.0000
01/00/00	0.0000		0.00		0.0000
01/00/00	0.0000		0.00		0.0000
AVE	#REF!	#REF!	0.002	0.028	0.0017
MAX	#REF!	#REF!	0.02	0.028	0.015
MIN	#REF!	#REF!	0.00	0.028	0.000

City of Marshalltown, Iowa
Water Pollution Control Plant
7/1/2025 - 7/31/2025

Marshall County Landfill
Marshalltown, Iowa

Facility Number: 6469001
IA Lab Cert. # 141

Marshall County Landfill Daily 7/1/2025 - 7/31/2025	Flow GPD	BOD 5 MG/L	BOD 5 LB	TSS (mg/L)	TSS LB	Ammonia MG/L	Ammonia LB	TKN MG/L	TKN LB
7/1/2025	20,316	33.00	5.591	48	8.13			63.5	10.759
7/2/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/3/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/4/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/5/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/6/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/7/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/8/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/9/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/10/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/11/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/12/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/13/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/14/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/15/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/16/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/17/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/18/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/19/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/20/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/21/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/22/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/23/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/24/2025	20,316	33.00	5.591	48	8.13			63.5	10.759
7/25/2025	20,316	33.00	5.591	48	8.13			63.5	10.759
7/26/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/27/2025	40,632	33.00	11.183	48	16.27			63.5	21.518
7/28/2025	16,930	33.00	4.659	48	6.78			63.5	8.966
7/29/2025	16,658	33.00	4.585	48	6.67			63.5	8.822
7/30/2025									
7/31/2025									
Sum	1,069,704	957.00	294.404	1,392	428.22			1,841.5	566.505
Avg	36,886	33.00	10.152	48	14.77			63.5	19.535
Max	40,632	33.00	11.183	48	16.27			63.5	21.518
Min	16,658	33.00	4.585	48	6.67			63.5	8.822

Bob Ranson, Superintendent

MARSHALL COUNTY LANDFILL
MONTHLY MONITORING REPORT
MONTH: July
YEAR: 2025

DATE	FLOW MGD	BOD mg/L	BOD-200 mg/L	BOD LBS	TSS mg/L	TSS-200 mg/L	TSS LBS	TKN mg/L	TKN-75 mg/L	TKN LBS
1	0.0203	33	0	0	48	0	0	63.5	0	0
2	0.0406	33	0	0	48	0	0	63.5	0	0
3	0.0406	33	0	0	48	0	0	63.5	0	0
4	0.0406	33	0	0	48	0	0	63.5	0	0
5	0.0406	33	0	0	48	0	0	63.5	0	0
6	0.0406	33	0	0	48	0	0	63.5	0	0
7	0.0406	33	0	0	48	0	0	63.5	0	0
8	0.0406	33	0	0	48	0	0	63.5	0	0
9	0.0406	33	0	0	48	0	0	63.5	0	0
10	0.0406	33	0	0	48	0	0	63.5	0	0
11	0.0406	33	0	0	48	0	0	63.5	0	0
12	0.0406	33	0	0	48	0	0	63.5	0	0
13	0.0406	33	0	0	48	0	0	63.5	0	0
14	0.0406	33	0	0	48	0	0	63.5	0	0
15	0.0406	33	0	0	48	0	0	63.5	0	0
16	0.0406	33	0	0	48	0	0	63.5	0	0
17	0.0406	33	0	0	48	0	0	63.5	0	0
18	0.0406	33	0	0	48	0	0	63.5	0	0
19	0.0406	33	0	0	48	0	0	63.5	0	0
20	0.0406	33	0	0	48	0	0	63.5	0	0
21	0.0406	33	0	0	48	0	0	63.5	0	0
22	0.0406	33	0	0	48	0	0	63.5	0	0
23	0.0406	33	0	0	48	0	0	63.5	0	0
24	0.0203	33	0	0	48	0	0	63.5	0	0
25	0.0203	33	0	0	48	0	0	63.5	0	0
26	0.0406	33	0	0	48	0	0	63.5	0	0
27	0.0406	33	0	0	48	0	0	63.5	0	0
28	0.0169	33	0	0	48	0	0	63.5	0	0
29	0.0167	33	0	0	48	0	0	63.5	0	0
30	0.0000	0	0	0	0	0	0	0.0	0	0
31	0.0000	0	0	0	0	0	0	0.0	0	0
TOTAL	1.0697			0			0			0

0	#CBOD*0.618=		0.00
0	#SS*0.371=		0.00
0	#TKN*0.402=		0.00
	TOTAL	$	0.00

MARSHALL COUNTY LANDFILL
MONTHLY MONITORING REPORT
MONTH: July
YEAR: 2025

DATE	FLOW MGD	BOD mg/L	BOD LBS	pH	TSS mg/L	TSS LBS	TKN mg/L	TKN LBS
1	0.0203	33	5.59	6.99	48	8	63.5	11
2	0.0406	33	11.18	6.99	48	16	63.5	22
3	0.0406	33	11.18	6.99	48	16	63.5	22
4	0.0406	33	11.18	6.99	48	16	63.5	22
5	0.0406	33	11.18	6.99	48	16	63.5	22
6	0.0406	33	11.18	6.99	48	16	63.5	22
7	0.0406	33	11.18	6.99	48	16	63.5	22
8	0.0406	33	11.18	6.99	48	16	63.5	22
9	0.0406	33	11.18	6.99	48	16	63.5	22
10	0.0406	33	11.18	6.99	48	16	63.5	22
11	0.0406	33	11.18	6.99	48	16	63.5	22
12	0.0406	33	11.18	6.99	48	16	63.5	22
13	0.0406	33	11.18	6.99	48	16	63.5	22
14	0.0406	33	11.18	6.99	48	16	63.5	22
15	0.0406	33	11.18	6.99	48	16	63.5	22
16	0.0406	33	11.18	6.99	48	16	63.5	22
17	0.0406	33	11.18	6.99	48	16	63.5	22
18	0.0406	33	11.18	6.99	48	16	63.5	22
19	0.0406	33	11.18	6.99	48	16	63.5	22
20	0.0406	33	11.18	6.99	48	16	63.5	22
21	0.0406	33	11.18	6.99	48	16	63.5	22
22	0.0406	33	11.18	6.99	48	16	63.5	22
23	0.0406	33	11.18	6.99	48	16	63.5	22
24	0.0203	33	5.59	6.99	48	8	63.5	11
25	0.0203	33	5.59	6.99	48	8	63.5	11
26	0.0406	33	11.18	6.99	48	16	63.5	22
27	0.0406	33	11.18	6.99	48	16	63.5	22
28	0.0169	33	4.66	6.99	48	7	63.5	9
29	0.0167	33	4.58	6.99	48	7	63.5	9
30			0.00			0		0
31			0.00			0		0
TOTAL	1.0697		294			428		567
AVE	0.0369	33	10	6.99	48	15		20
MAX	0.0406	33	11	6.99	48	16	63.5	22
MIN	0.0167	33	0	6.99	48	0	63.5	0

Sample was brought in on 7-1-25

Appendix G.6 – Priority Pollutant Scan

Collection Location	Collector and Phone	Client Reference	Accession #
leachole lagoon	draper damien 641/754-5709	marshall co landfill	2269894
MARSHALLTOWN,	Collected 2023-04-20	Received 2023-04-20 13:16	Project

Report To

DAMIEN DRAPER
MARSHALLTOWN WPCP

1001 WOODLAND ST
MARSHALLTOWN, IA 50158-1810

Sample Description	Sample Type	Sample Source	Sample Note(s)
non drinking water	Non-Drinking Water		1

ADDITIONAL SAMPLE INFORMATION

Purchase Order: 04202023DD01

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT (ug/L)	QUANT LIMIT	ANALYSIS NOTE(S)
GCMS Volatiles, EPA 624		*CORRECTED REPORT 1*	*2*
Chloromethane	<5	5	
Bromomethane	<5	5	
Vinyl chloride	<5	5	
Chloroethane	<5	5	
Methylene chloride	<5	5	
1,1-Dichloroethene	<5	5	
1,1-Dichloroethane	<5	5	
Total 1,2-Dichloroethenes	<5	5	
Chloroform	<5	5	
1,2-Dichloroethane	<5	5	
1,1,1-Trichloroethane	<5	5	
Carbon tetrachloride	<5	5	
Bromodichloromethane	<5	5	
1,2-Dichloropropane	<5	5	
cis-1,3-Dichloropropene	<5	5	
Trichloroethene	<5	5	
Dibromochloromethane	<5	5	
1,1,2-Trichloroethane	<5	5	
Benzene	<5	5	
trans-1,3-Dichloropropene	<5	5	
Bromoform	<5	5	
Tetrachloroethene	<5	5	
1,1,2,2-Tetrachloroethane	<5	5	
Toluene	<5	5	
Chlorobenzene	<5	5	
Ethylbenzene	<5	5	
GCMS Volatiles, EPA 624 AAC			
Acrolein	<20.	20.	
Acrylonitrile	<20.	20.	
2-Chloroethylvinyl ether	<20.	20.	
GCMS Semivolatiles, EPA 625			
Phenol	<5	5	
bis(2-Chloroethyl)ether	<5	5	
2-Chlorophenol	<5	5	

Collection Location	Collector	Client Reference	Accession #
leachole lagoon	draper damien	marshall co landfill	2269894

TEST	RESULT (ug/L)	QUANT LIMIT	ANALYSIS NOTE(S)
1,3-Dichlorobenzene	<5	5	
1,4-Dichlorobenzene	<5	5	
1,2-Dichlorobenzene	<5	5	
2-Methylphenol	<5	5	
2,2'-oxybis(1-Chloropropane)	<5	5	
4-Methylphenol	<5	5	
N-Nitroso-di-n-propylamine	<5	5	
Hexachloroethane	<5	5	
Nitrobenzene	<5	5	
Isophorone	<5	5	
2-Nitrophenol	<5	5	
2,4-Dimethylphenol	<5	5	
bis(2-Chloroethoxy) methane	<5	5	
2,4-Dichlorophenol	<5	5	
1,2,4-Trichlorobenzene	<5	5	
Naphthalene	<5	5	
4-Chloroaniline	<5	5	
Hexachlorobutadiene	<5	5	
4-Chloro-3-methylphenol	<5	5	
2-Methylnaphthalene	<5	5	
Hexachlorocyclopentadiene	<5	5	
2,4,6-Trichlorophenol	<5	5	
2,4,5-Trichlorophenol	<5	5	
2-Chloronaphthalene	<5	5	
2-Nitroaniline	<5	5	
Dimethyl phthalate	<5	5	
Acenaphthylene	<5	5	
2,6-Dinitrotoluene	<5	5	
3-Nitroaniline	<5	5	
Acenaphthene	<5	5	
2,4-Dinitrophenol	<5	5	
4-Nitrophenol	<5	5	
Dibenzofuran	<5	5	
2,4-Dinitrotoluene	<5	5	
Diethyl phthalate	<5	5	
Fluorene	<5	5	
4-Chlorophenyl phenyl ether	<5	5	
4-Nitroaniline	<5	5	
4,6-Dinitro-2-methylphenol	<5	5	
N-Nitrosodiphenylamine	<5	5	
4-Bromophenyl phenyl ether	<5	5	
Hexachlorobenzene	<5	5	
Pentachlorophenol	<5	5	
Phenanthrene	<5	5	
Carbazole	<5	5	
Anthracene	<5	5	
Di-n-butyl phthalate	<5	5	
Fluoranthene	<5	5	
Pyrene	<5	5	
Butyl benzyl phthalate	<5	5	
Benzo(a)anthracene	<5	5	
3,3'-Dichlorobenzidine	<5	5	
Chrysene	<5	5	
bis(2-Ethylhexyl)phthalate	<5	5	

Collection Location	Collector	Client Reference	Accession #
leachole lagoon	draper damien	marshall co landfill	2269894

TEST	RESULT (ug/L)	QUANT LIMIT	ANALYSIS NOTE(S)
Di-n-octyl phthalate	<5	5	
Benzo(b)fluoranthene	<5	5	
Benzo(k)fluoranthene	<5	5	
Benzo(a)pyrene	<5	5	
Indeno(1,2,3-cd)pyrene	<5	5	
Dibenzo(a,h)anthracene	<5	5	
Benzo(g,h,i)perylene	<5	5	
N-Nitrosodimethylamine	<5	5	
Benzidine	<5	5	
1,2-Diphenylhydrazine	<5	5	
Chlorinated Hydrocarbon Insecticides, EPA 608			
Aldrin	<0.05	0.05	
alpha-BHC	<0.05	0.05	
beta-BHC	<0.05	0.05	
delta-BHC	<0.05	0.05	
Lindane	<0.05	0.05	
4,4'-DDD	<0.05	0.05	
4,4'-DDE	<0.05	0.05	
4,4'-DDT	<0.05	0.05	
Dieldrin	<0.05	0.05	
Endosulfan I	<0.10	0.10	
Endosulfan II	<0.05	0.05	
Endosulfan sulfate	<0.05	0.05	
Endrin	<0.05	0.05	
Endrin aldehyde	<0.05	0.05	
Endrin ketone	<0.05	0.05	
Heptachlor	<0.05	0.05	
Heptachlor epoxide	<0.05	0.05	
Methoxychlor	<0.05	0.05	
Chlordane	<0.05	0.05	
Toxaphene	<0.5	0.5	
Aroclor 1016	<0.5	0.5	
Aroclor 1221	<0.5	0.5	
Aroclor 1232	<0.5	0.5	
Aroclor 1242	<0.5	0.5	
Aroclor 1248	<0.5	0.5	
Aroclor 1254	<0.5	0.5	
Aroclor 1260	<0.5	0.5	

SAMPLE AND ANALYSIS NOTES

1. Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

2. The analysis note was removed by TGC on 2023-04-26.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. GCMS Volatiles, EPA 624	2023-04-24 15:37 LJL	3200	2023-04-26 11:45 TGC	
2. GCMS Volatiles, EPA 624 AAC	2023-04-24 16:16 LJL	3200	2023-04-26 11:45 TGC	
3. GCMS Semivolatiles, EPA 625	2023-04-24 12:32 VER	3200	2023-04-26 11:03 TGC	Test 4
4. Prep by Separatory Funnel, EPA 625	2023-04-21 08:00 MZ	3200	2023-04-24 07:50 MES	

Collection Location	Collector	Client Reference	Accession #
leachole lagoon	draper damien	marshall co landfill	2269894

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
5. Chlorinated Hydrocarbon Insecticides, EPA 608	2023-04-26 04:46 VER	3200	2023-04-27 14:26 TGC	Test 6
6. Prep by Separatory Funnel, EPA 608	2023-04-24 08:00 MES	3200	2023-04-28 07:11 LWL	

DESCRIPTION OF UNITS

ug/L = Micrograms per Liter

SITE(S) PERFORMING TESTING

3200 STATE HYGIENIC LABORATORY CORALVILLE, UNIVERSITY OF IOWA RESEARCH PK, 2490 CROSSPARK RD, CORALVILLE, IA 52241; Phone 319/335-4500; Fax 319/335-4555; Michael D. Schueller, M.S., Associate Director; Wade K. Aldous, Ph.D. (D)ABMM, Associate Director; IOWA ENVIRONMENTAL LAB ID #027

The result(s) of this report relate only to the items analyzed. Where the laboratory has not been responsible for the sampling stage the results apply only to the sample as received. This report shall not be reproduced except in full without the written approval of the laboratory. If you have any questions, please call Client Services at 800/421-IOWA (4692) or 319/335-4500.

Collection Location	Collector and Phone	Client Reference	Accession #
leachate lagoon	draper damien 641/754-5709	marshall co landfill	2269903
MARSHALLTOWN,	Collected 2023-04-20	Received 2023-04-20 13:16	Project

Report To

DAMIEN DRAPER
MARSHALLTOWN WPCP

1001 WOODLAND ST
MARSHALLTOWN, IA 50158-1810

Sample Description	Sample Type	Sample Source	Sample Note(s)
waste water	Non-Drinking Water		1

ADDITIONAL SAMPLE INFORMATION

Purchase Order: 04202023DD01

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT (mg/L)	QUANT LIMIT	ANALYSIS NOTE(S)
Ammonia as N, LAC 10-107-06-1J			
Ammonia nitrogen as N	**64**	**0.1**	

TEST	RESULT (mg/L)	QUANT LIMIT	MCL	ANALYSIS NOTE(S)
Anions, EPA 300.0				*4*
Nitrate nitrogen as N	**0.99**	**0.05**	**10**	

TEST	RESULT (mg/L)	QUANT LIMIT	ANALYSIS NOTE(S)
Chloride, EPA 300.0			
Chloride	**180**	**0.2**	
Sulfate, EPA 300.0			
Sulfate	**60**	**0.2**	
Total Phenol, EPA 420.1			
Phenol	**<0.035**	**0.035**	
Total Phosphorus as P, LAC 10-115-01-2B			
Total Phosphorus as P	**0.51**	**0.5**	
Total Kjeldahl Nitrogen as N, LAC 10-107-06-2M			
Total Kjeldahl Nitrogen as N	**74**	**0.2**	
Total Organic Carbon, SM 5310 B			
Total Organic Carbon	**44**	**0.5**	
BOD, 5 Day, SM 5210 B			
BOD, 5 Day	**26**	**2**	
BOD, Carbonaceous 5 Day, SM 5210 B			
CBOD, 5 Day	**25**	**2**	
Chemical Oxygen Demand, SM 5220 D			
Chemical Oxygen Demand	**150**	**10**	
Cyanide, SM 4500-CN E			*2*
Cyanide	**<0.005**	**0.005**	
Total Hardness as CaCO3, SM 2340 C			
Total Hardness	**710**	**1.0**	

Collection Location	Collector	Client Reference	Accession #
leachate lagoon	draper damien	marshall co landfill	2269903

TEST	RESULT (pH)	ANALYSIS NOTE(S)
Laboratory pH, SM 4500 H+B		*3, 5*
Laboratory pH	**7.3**	

TEST	RESULT (mg/L)	QUANT LIMIT	ANALYSIS NOTE(S)
Total Dissolved Solids, SM 2540 C			
Total Dissolved Solids	**1200**	**1**	
Total Suspended Solids, USGS I-3765-85			
Total Suspended Solids	**38**	**1**	
Total Volatile Solids, EPA 160.4			
Total Volatile Solids	**280**	**1**	
Boron, EPA 200.7			
Boron	**2.3**	**0.05**	
Mercury, EPA 245.2			
Mercury	**<0.00020**	**0.0002**	
Metals, EPA 200.8			
Antimony	**<0.005**	**0.005**	
Arsenic	**<0.01**	**0.01**	
Barium	**0.38**	**0.05**	
Beryllium	**<0.02**	**0.02**	
Cadmium	**<0.02**	**0.02**	
Chromium	**<0.02**	**0.02**	
Copper	**<0.01**	**0.01**	
Lead	**<0.01**	**0.01**	
Manganese	**0.76**	**0.02**	
Nickel	**<0.05**	**0.05**	
Selenium	**<0.01**	**0.01**	
Silver	**<0.01**	**0.01**	
Strontium	**<0.02**	**0.02**	
Thallium	**<0.001**	**0.001**	
Zinc	**<0.02**	**0.02**	

SAMPLE AND ANALYSIS NOTES

1. Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.
2. The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
3. Waste pH measured in water at 22.8℃
4. The MCL (maximum contaminant level) is only applicable to compliance monitoring samples under the Safe Drinking Water Act (SDWA).
5. EPA holding time requires pH analysis be completed within 15 minutes of collection to be valid for regulatory reporting. Results reported as Laboratory pH do not meet this requirement and must be qualified if reported for regulatory purposes.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. Ammonia as N, LAC 10-107-06-1J	2023-05-03 09:00 KAR	3201	2023-05-03 12:45 JAE	
2. Anions, EPA 300.0	2023-04-20 23:54 MGB	3201	2023-04-21 09:50 JAE	
3. Chloride, EPA 300.0	2023-04-21 23:09 MGB	3201	2023-04-24 10:08 JAE	
4. Sulfate, EPA 300.0	2023-04-21 23:09 MGB	3201	2023-04-24 10:08 JAE	

Collection Location	Collector	Client Reference	Accession #
leachate lagoon	draper damien	marshall co landfill	2269903

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
5. Total Phenol, EPA 420.1	2023-04-27 08:41 BRW	228	2023-04-27 15:55 MLS	
6. Total Phosphorus as P, LAC 10-115-01-2B	2023-04-28 09:46 KAR, MLS	3201	2023-05-01 14:24 MGB	
7. Total Kjeldahl Nitrogen as N, LAC 10-107-06-2M	2023-04-28 09:46 KAR, MLS	3201	2023-05-01 14:24 MGB	
8. Total Organic Carbon, SM 5310 B	2023-04-26 09:43 AJB	3201	2023-04-28 08:29 JAE	
9. BOD, 5 Day, SM 5210 B	2023-04-20 13:25 AMG	3201	2023-04-25 15:03 JAE	
10. BOD, Carbonaceous 5 Day, SM 5210 B	2023-04-20 13:25 AMG	3201	2023-04-25 15:03 JAE	
11. Chemical Oxygen Demand, SM 5220 D	2023-04-25 09:15 MLS	3201	2023-04-25 13:25 JAE	
12. Cyanide, SM 4500-CN E	2023-04-25 08:09 BRW	228	2023-04-27 15:55 MLS	
13. Total Hardness as CaCO3, SM 2340 C	2023-04-26 10:00 MLS	3201	2023-04-26 11:06 AMG	
14. Laboratory pH, SM 4500 H+B	2023-04-20 14:35 AMG	3201	2023-04-21 08:36 JAE	
15. Total Dissolved Solids, SM 2540 C	2023-04-25 10:00 WMH	3201	2023-04-27 12:22 JAE	
16. Total Suspended Solids, USGS I-3765-85	2023-04-25 10:00 WMH	3201	2023-04-27 12:22 JAE	
17. Total Volatile Solids, EPA 160.4	2023-04-25 10:00 WMH	3201	2023-04-27 12:22 JAE	
18. Boron, EPA 200.7	2023-05-24 13:00 MRC	3201	2023-05-26 10:48 BRW	
19. Mercury, EPA 245.2	2023-04-28 11:49 SGB	3201	2023-04-28 14:14 MRC	
20. Metals, EPA 200.8	2023-05-03 09:50 SGB	3201	2023-05-04 13:51 MRC	

DESCRIPTION OF UNITS

mg/L = Milligrams per Liter
pH = pH Units

SITE(S) PERFORMING TESTING

3201 STATE HYGIENIC LABORATORY ANKENY, IOWA LABORATORIES COMPLEX, 2220 S ANKENY BLVD, ANKENY, IA 50023; Phone 515/725-1600; Fax 515/725-1642; Michael D. Schueller, M.S., Associate Director; Wade K. Aldous, Ph.D. (D)ABMM, Associate Director; IOWA ENVIRONMENTAL LAB ID #397

228 KEYSTONE LABS INC, 600 E 17TH ST S STE B, NEWTON, IA 50208;

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Appendix G.7 – Daily/Weekly Leachate Recirculation Logs

Leachate Recirculation
Marshall County Sanitary Landfill
2025

APRIL			MAY			JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMBER		
Date	Loads	Gallons	Date	Loads	Gallons	Date	Loads	Gallons	Date	Loads	Gallons	Date	Loads	Gallons	Date	Loads	Gallons	Date	Loads	Gallons
4/16/2025	3	15,000	5/14/2025	12	60,000	7/31/2025	7	35,000	8/1/2025	23	115,000	9/2/2025	9	45,000	10/1/2025	13	65,000	11/3/2025	19	95,000
4/17/2025	6	30,000	5/16/2025	2	10,000				8/6/2025	20	100,000	9/3/2025	6	30,000	10/2/2025	10	50,000	11/4/2025	20	100,000
									8/7/2025	9	45,000	9/5/2025	5	25,000	10/7/2025	13	65,000	11/12/2025	17	85,000
									8/8/2025	18	90,000	9/8/2025	19	95,000	10/9/2025	12	60,000	11/13/2025	20	100,000
									8/13/2025	11	55,000	9/9/2025	15	75,000	10/10/2025	10	50,000	11/14/2025	20	100,000
									8/14/2025	16	80,000	9/10/2025	17	85,000	10/20/2025	17	85,000	11/17/2025	16	80,000
									8/15/2025	10	50,000	9/16/2025	15	75,000	10/22/2025	12	60,000	11/18/2025	9	45,000
									8/18/2025	11	55,000	9/24/2025	16	80,000	10/23/2025	10	50,000	11/19/2025	20	100,000
									8/21/2025	5	25,000	9/25/2025	17	85,000	10/27/2025	5	25,000	11/20/2025	15	75,000
									8/22/2025	6	30,000	9/26/2025	7	35,000	10/28/2025	4	20,000			
									8/25/2025	12	60,000	9/29/2025	11	55,000						
									8/26/2025	9	45,000									
									8/27/2025	8	40,000									
	9			14			7			158			137			106			156	
		45,000			**70,000**			**35,000**			**790,000**			**685,000**			**530,000**			**780,000**

587 Loads
2,935,000 Gallons

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date				4/16/25	4/17/25		
Liquid Level (not to exceed 12-inches)							
LPZ-101				Dry	Dry		
LPZ-106				Dry	Dry		
Recirculation Quantity							
Number of Tanks Recirculated				3	6		
Total Gallons Recirculated				15,000	30,000		

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date				5/14/25		5/16/25	
Liquid Level (not to exceed 12-inches)							
LPZ-101				Dry		Dry	
LPZ-106				Dry		Dry	
Recirculation Quantity							
Number of Tanks Recirculated				12		2	
Total Gallons Recirculated				60,000		10,000	

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date					7/31/25		
Liquid Level (not to exceed 12-inches)							
LPZ-101					Dry		
LPZ-106					Dry		
Recirculation Quantity							
Number of Tanks Recirculated					7		
Total Gallons Recirculated					35,000		

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date						8/01/25	
Liquid Level (not to exceed 12-inches)							
LPZ-101						Dry	
LPZ-106						Dry	
Recirculation Quantity							
Number of Tanks Recirculated						23	
Total Gallons Recirculated						115,000	

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date				8/06/25	8/07/25	8/08/25	
Liquid Level (not to exceed 12-inches)							
LPZ-101				Dry	Dry	Dry	
LPZ-106				Dry	Dry	Dry	
Recirculation Quantity							
Number of Tanks Recirculated				20	9	18	
Total Gallons Recirculated				100,000	45,000	90,000	

NOTES:
1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date				8/13/25	8/14/25	8/15/25	
Liquid Level (not to exceed 12-inches)							
LPZ-101				Dry	Dry	Dry	
LPZ-106				Dry	Dry	Dry	
Recirculation Quantity							
Number of Tanks Recirculated				11	16	10	
Total Gallons Recirculated				55,000	80,000	50,000	

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date		8/18/25			8/21/25	8/22/25	
Liquid Level (not to exceed 12-inches)							
LPZ-101		Dry			Dry	Dry	
LPZ-106		Dry			Dry	Dry	
Recirculation Quantity							
Number of Tanks Recirculated		11			5	6	
Total Gallons Recirculated		55,000			25,000	30,000	

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date		8/25/25	8/26/25	8/27/25			
Liquid Level (not to exceed 12-inches)							
LPZ-101		Dry	Dry	Dry			
LPZ-106		Dry	Dry	Dry			
Recirculation Quantity							
Number of Tanks Recirculated		12	9	8			
Total Gallons Recirculated		60,000	45,000	40,000			

NOTES: **1) LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**

2) If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date			9/02/25	9/03/25		9/05/25	
Liquid Level (not to exceed 12-inches)							
LPZ-101			Dry	Dry		Dry	
LPZ-106			Dry	Dry		Dry	
Recirculation Quantity							
Number of Tanks Recirculated			9	6		5	
Total Gallons Recirculated			45,000	30,000		25,000	

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date		9/08/25	9/09/25	9/10/25			
Liquid Level (not to exceed 12-inches)							
LPZ-101		Dry	Dry	Dry			
LPZ-106		Dry	Dry	Dry			
Recirculation Quantity							
Number of Tanks Recirculated		19	15	17			
Total Gallons Recirculated		95,000	75,000	85,000			

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date			9/16/25				
Liquid Level (not to exceed 12-inches)							
LPZ-101			Dry				
LPZ-106			Dry				
Recirculation Quantity							
Number of Tanks Recirculated			15				
Total Gallons Recirculated			75,000				

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date				9/24/25	9/25/25	9/26/25	
Liquid Level (not to exceed 12-inches)							
LPZ-101				Dry	Dry	Dry	
LPZ-106				Dry	Dry	Dry	
Recirculation Quantity							
Number of Tanks Recirculated				16	17	7	
Total Gallons Recirculated				80,000	85,000	35,000	

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date		9/29/25					
Liquid Level (not to exceed 12-inches)							
LPZ-101		Dry					
LPZ-106		Dry					
Recirculation Quantity							
Number of Tanks Recirculated		11					
Total Gallons Recirculated		55,000					

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date				10/01/25	10/02/25		
Liquid Level (not to exceed 12-inches)							
LPZ-101				Dry	Dry		
LPZ-106				Dry	Dry		
Recirculation Quantity							
Number of Tanks Recirculated				13	10		
Total Gallons Recirculated				65,000	50,000		

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date			10/07/25		10/09/25	10/10/25	
Liquid Level (not to exceed 12-inches)							
LPZ-101			Dry		Dry	Dry	
LPZ-106			Dry		Dry	Dry	
Recirculation Quantity							
Number of Tanks Recirculated			13		12	10	
Total Gallons Recirculated			65,000		60,000	50,000	

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date		10/20/25		10/22/25	10/23/25		
Liquid Level (not to exceed 12-inches)							
LPZ-101		Dry		Dry	Dry		
LPZ-106		Dry		Dry	Dry		
Recirculation Quantity							
Number of Tanks Recirculated		17		12	10		
Total Gallons Recirculated		85,000		60,000	50,000		

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date		10/27/25	10/28/25				
Liquid Level (not to exceed 12-inches)							
LPZ-101		Dry	Dry				
LPZ-106		Dry	Dry				
Recirculation Quantity							
Number of Tanks Recirculated		5	4				
Total Gallons Recirculated		25,000	20,000				

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date		11/03/25	11/04/25				
Liquid Level (not to exceed 12-inches)							
LPZ-101		Dry	Dry				
LPZ-106		Dry	Dry				
Recirculation Quantity							
Number of Tanks Recirculated		19	20				
Total Gallons Recirculated		95,000	100,000				

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date				11/12/25	11/13/25	11/14/25	
Liquid Level (not to exceed 12-inches)							
LPZ-101				Dry	Dry	Dry	
LPZ-106				Dry	Dry	Dry	
Recirculation Quantity							
Number of Tanks Recirculated				17	20	20	
Total Gallons Recirculated				85,000	100,000	100,000	

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**

Marshall County Sanitary Landfill – Daily/Weekly Leachate Recirculation Log

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date		11/17/25	11/18/25	11/19/25	11/20/25		
Liquid Level (not to exceed 12-inches)							
LPZ-101		Dry	Dry	Dry	Dry		
LPZ-106		Dry	Dry	Dry	Dry		
Recirculation Quantity							
Number of Tanks Recirculated		16	9	20	15		
Total Gallons Recirculated		80,000	45,000	100,000	75,000		

NOTES:

1) **LPZ-101 and LPZ-106 measurement required at least once per week when leachate is being recirculated.**
2) **If liquid level in LPZ-101 or LPZ-106 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LPZ-101 and LPZ-106 is less than 12".**