2024 ANNUAL GROUNDWATER QUALITY REPORT

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

by:

HLW Engineering Group 204 West Broad Street P.O. Box 314 Story City, Iowa 50248 (515) 733-4144

January, 2025



Table of Contents

| | er. | tı | tı | ഭവ | tı | on |
|---|--------------|----|----|----|----|-----|
| • | \mathbf{c} | u | ш | va | ш | VII |

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 Required
- Table 9 Analytical Data Summary
- Table 10 Historic SSI and SSL Not Required
- Table 11 Corrective Action Trend Analysis Not Required
- Table 12 Leachate 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

Prepared by: ______ Date: <u>1-22-2025</u>

Typed: <u>Todd Whipple, CPG</u>

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 #5, dated August 14, 2024 (Doc #110693).

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.

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 2024 data collection events occurred January 25, 2024 (verification sampling); April 16, 2024; July 18, 2024 (verification sampling); and October 15, 2024.

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 Lavout

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 2025 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 2024) is included in the Table 4A Supplement. 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, 2024 is included with this report. The Water Table Contour Map illustrates the water table surface and the effects of the topography.

Review of the October 15, 2025 water elevation data indicates that the readings generally represent a low water table condition within the historic water table surface elevation range.

Well Depth & Sedimentation

Well depth measurements were made on October 15, 2024. 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 15, 2024 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 2024. 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 the Table 2A Supplement.

Field sampling information for the April 16 2024 and October 15, 2024 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 15, 2024 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.

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 #1, dated September 7, 2022 (Doc #103965).

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

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).

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, and annually for dissolved methane, ethane, ethene and for alkalinity and pH.

2.5 Correction Action Monitoring Activities

Leachate Well LW-75 and Passive Gas Vents 1-27 are the Corrective Action Monitoring Points (CAMP). Sampling frequency at LW-75 is annually with analysis for Appendix I VOC, total arsenic, total cobalt, ammonia (as nitrogen), sulfate, chloride, TDS, BOD5, dissolved methane, ethane, ethene, alkalinity, and pH. The passive gas vents are monitored quarterly for percent lower explosive limit (%LEL).

Section 3.0 Data Evaluation and Summary

Statistical Evaluations are prepared by Otter Creek Environmental Services for the Spring and Fall monitoring episodes. <u>The Groundwater Statistics Report for the Marshall County Sanitary Landfill, First Semi-Annual Monitoring Event in 2024</u>, dated May, 2024 is included in Appendix B.1. <u>The Groundwater Statistics Report for the Marshall County Sanitary Landfill, Second Semi-Annual Monitoring Event in 2024</u>, dated November, 2024 is included in Appendix B.2.

The Analytical Reports for the laboratory testing from 2024 (January 25, 2024 (verification sampling); April 16, 2024; July 18, 2024 (verification sampling); and October 15, 2024) sampling events are included in Appendix C.

QUALITY ASSURANCE/QUALITY CONTROL

A blind duplicate sample was collected at MW-96R during the April 16, 2024 sampling episode. A blind duplicate was collected at MW-95 during the October 15, 2024 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 16, 2024 and October 15, 2024) 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 2024 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.

<u>Upgradient Data</u>, Table 1, Attachment B, to the November 2024 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. <u>Dixon's Test Outliers 1% Significance Level</u>, Table 6, Attachment B, to the November 2024 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 5.9879 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 5.9879 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 at MW-93 and MW-96R typically exceed the published IAC 567, Chapter 137 Statewide Standards.

STATISTICALLY SIGNIFICANT INCREASES (SSI)/EXCEEDANCES OF LIMITS

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 2024). There are no prediction limit exceedance recorded in the current detection monitoring system wells. MW-66, MW-85, MW-98, MW-99, MW-87, MW-89, MW-91, MW-95, MW-97, and SRAMP-B remain in the detection monitoring system. There were prediction limit exceedances recorded at MW-93 and MW-96R in 2024.

However, 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 <u>both</u> 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).

The 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 Prediction Limits for the current year is 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 statistical 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 #4, dated October 25, 2023 (Doc #108057). 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 prediction limits (see summary in Tables 6 & 7) 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 <u>Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities</u> 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).

Evaluation of CAMP point LW-75

Available leachate quality data is summarized in Table 14. To date there are no discernable trends in data. It is noted that the VOC concentrations detected in 2023 and 2024 appear higher than the previous years' results. The assumption is that any trends in data will be identified as additional data is gathered over time. As previously documented, leachate quality differs remarkably from the water quality in perimeter groundwater wells.

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.

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 annual CAMP sampling for the permanent gases began in 2020 and sufficient data is not yet available to determine trends in Methane, Ethane, Ethane, Alkalinity, and pH. The annual testing will again be performed in 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. 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)).

Section 4.0 Leachate Collection System Performance Evaluation

Leachate System

Leachate level measurements are competed monthly. The measurements for 2024 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 #5, dated August 14, 2024 (Doc #110693) requires semi-annual measurement of liquid levels in GPZ-105. The 2024 summary of measurements is included in Table 4. The liquid level in GPZ-105 in 2024 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 2024 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 2024, the head on the liner was between 0.40 feet and 0.44 feet above the landfill base elevation (963.69).

LHMW-75 is located in Area B-3. Existing leachate elevation data between 2001 and 2024 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, 2024 measurements, 8.52 feet and 8.66 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, 2024 and December 31, 2024, approximately 3,057,064 gallons of leachate were discharged to the Marshalltown POTW (Appendix G.4). Discharge occurred as two (2) separate events, the first in April (1,257,168 gallons) and the second in August/September (1,799.896 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 was approved in Special Provision X.5 of Permit Revision #7 dated April 18, 2019. As per the approved Leachate Recirculation Operation Plan, leachate levels in LPZ-101 and LPZ-106 were measured weekly during recirculation operations. In 2024 approximately 780,000 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 2025.

Section 5.0 Gas Monitoring

Explosive gas monitoring is conducted per 113.9(2) and Special Provision 6 of the Revised Permit #5, dated August 14, 2024 (Doc #110693). Gas Monitoring was performed quarterly in 2024 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.

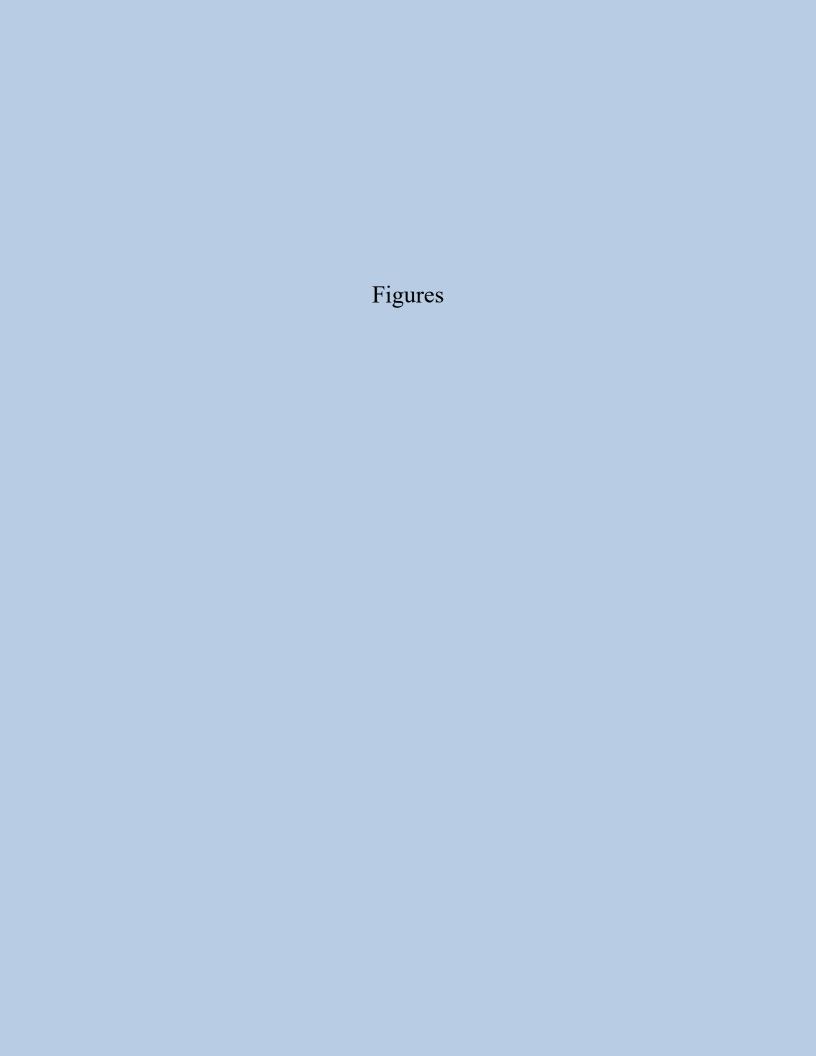
Section 6.0 Conclusions & Recommendations

Continue detection, assessment, and corrective action monitoring in accordance with the current HMSP and the CAMP.

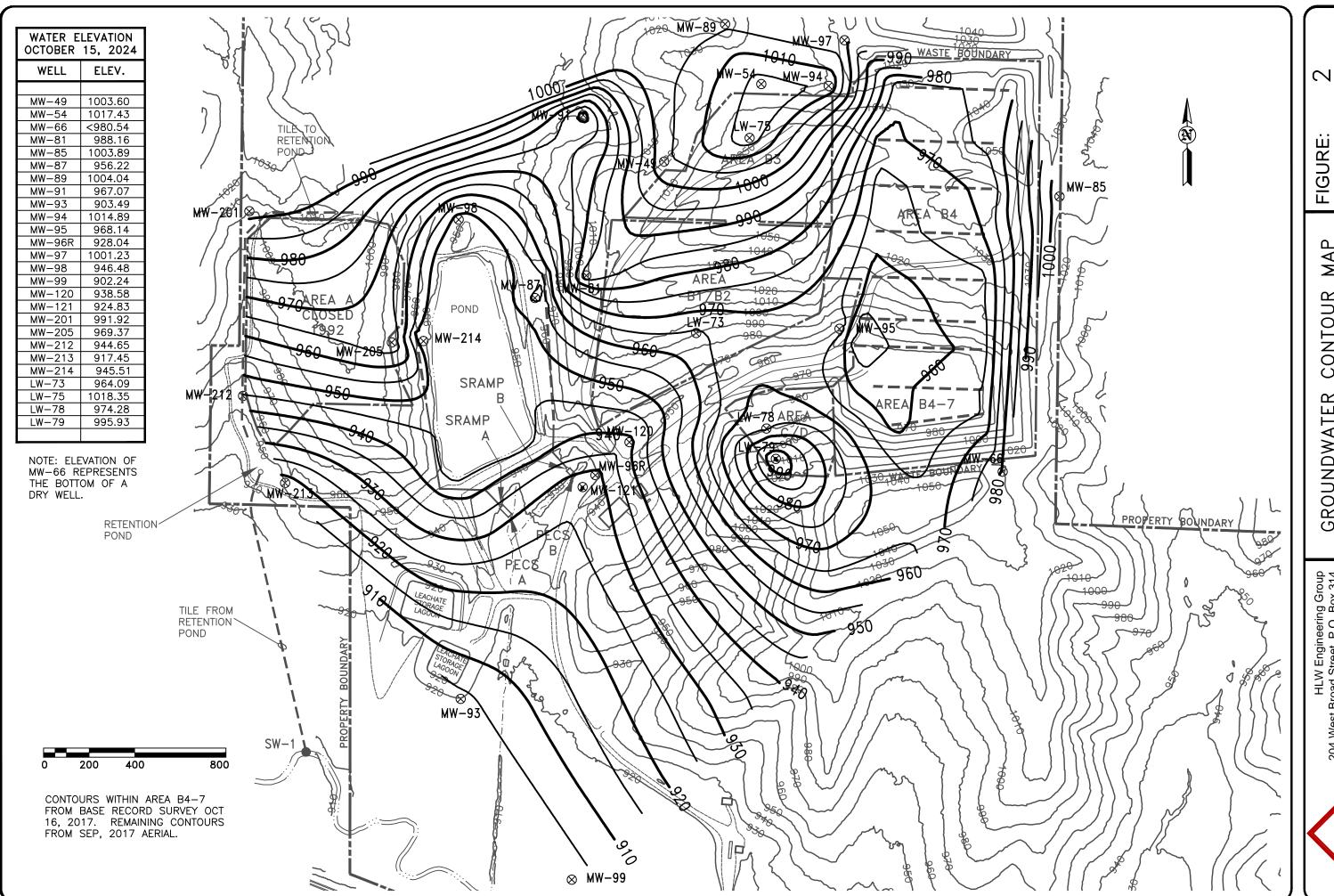
The Corrective Action Plan appears to be functioning as intended. Evaluation of the CAP indicates that the water quality concentrations of concern at the AZPOC wells have been below the 95% UCL since the remedy was constructed in July, 2017 (Table 7). No GWPS have been exceeded for three (3) years since the remedy was selected per 113.10(8). The remedy is considered completed.

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

Leachate quality trends at LW-75 and gas quality trends measured at Passive Gas Vents do not yet demonstrate clear trends based on the limited data. Likewise, insufficient data is available to evaluate dissolved methane, alkalinity, and pH in the Supplemental Wells and leachate well LW-75. To date, ethane and ethene are undetected.





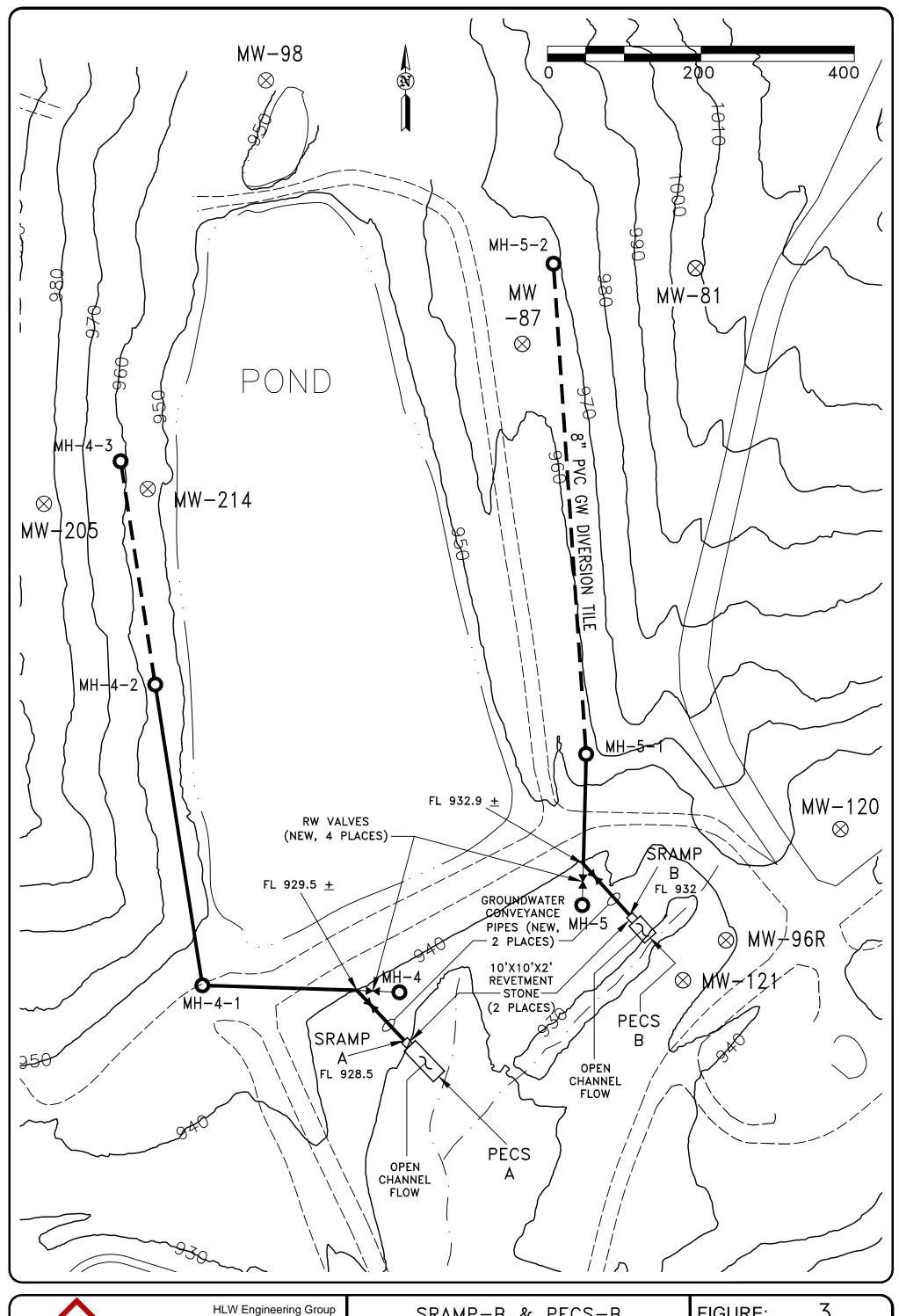




REVISION DRAWN DRA

HLW Engineering Group 4 West Broad Street, P.O. Box 314 Story City, Iowa 50248 Phone: (515) 733-4144 FAX: (515) 733-4146

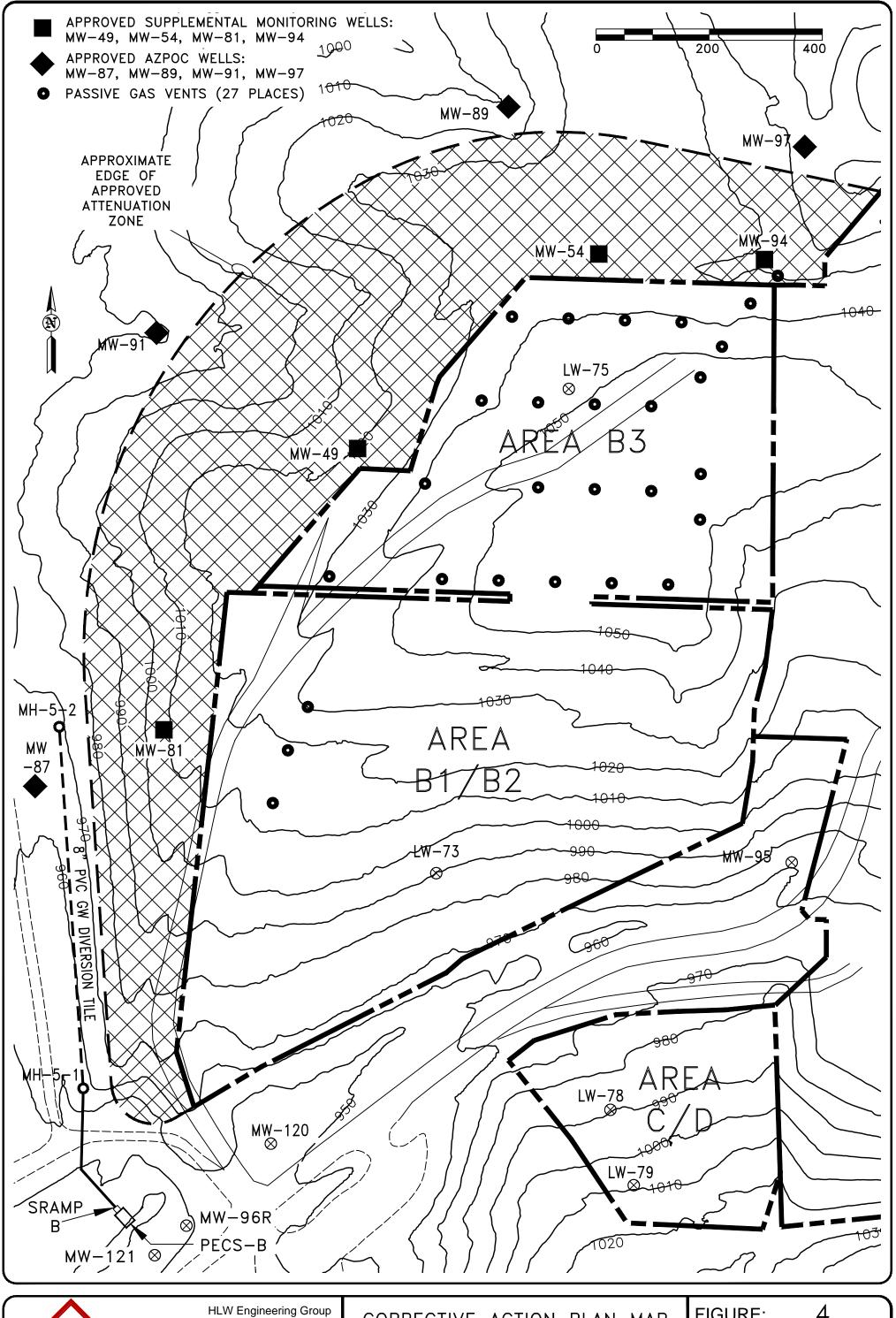






204 West Broad Street, P.O. Box 314 Story City, Iowa 50248 Phone: (515) 733-4144 FAX: (515) 733-4146 SRAMP-B & PECS-B LOCATION MAP MARSHALL COUNTY SANITARY LANDFILL MARSHALLTOWN, IOWA

| FIGURE | ≣: 3 | 3 |
|----------|-------------|--------|
| REVISION | NO. | DATE |
| DRAWN | PROJECT NO. | DATE |
| DRA | 6003 | 1-8-25 |





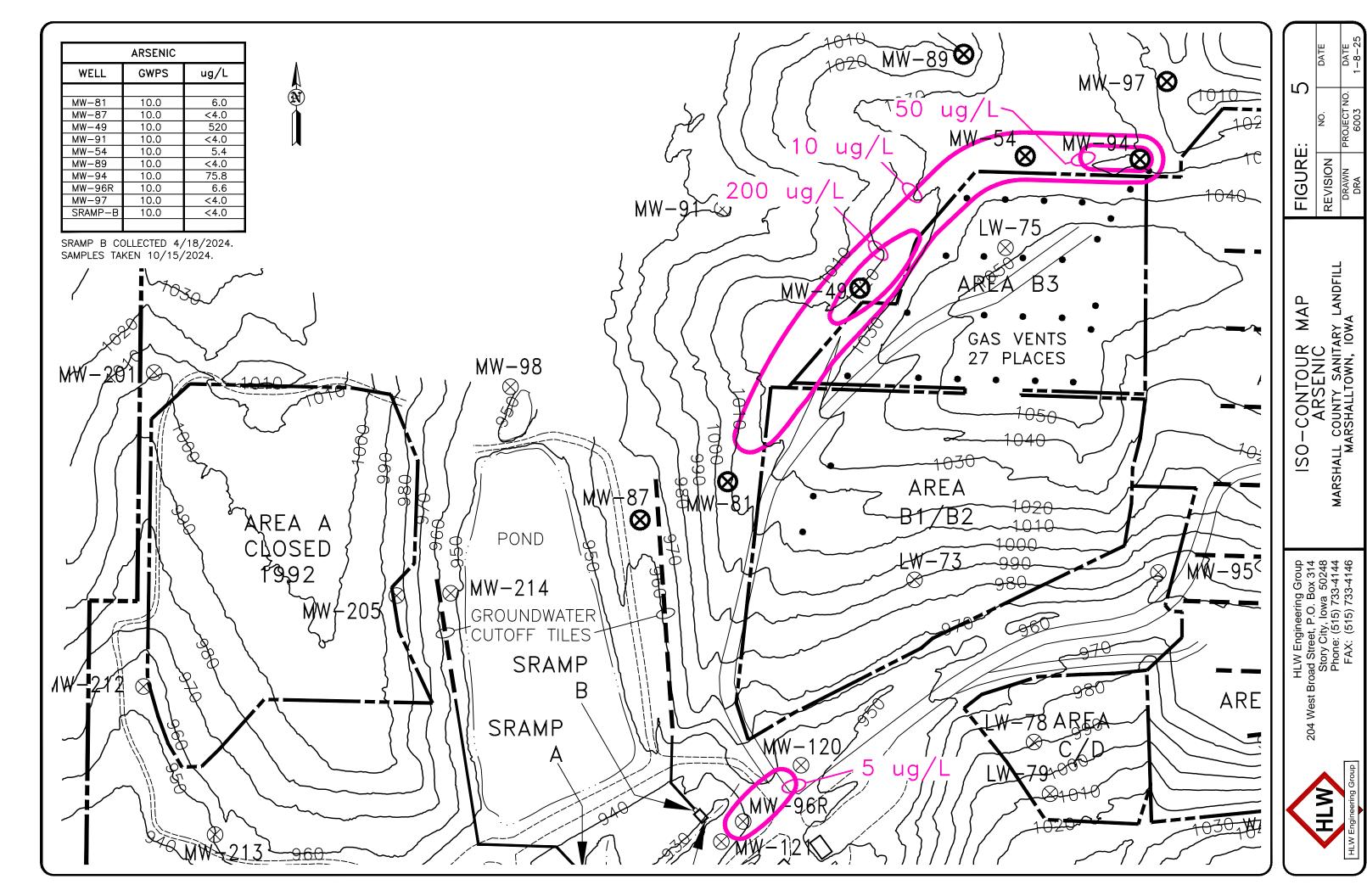
HLW Engineering Group 204 West Broad Street, P.O. Box 314 Story City, Iowa 50248 Phone: (515) 733-4144 FAX: (515) 733-4146

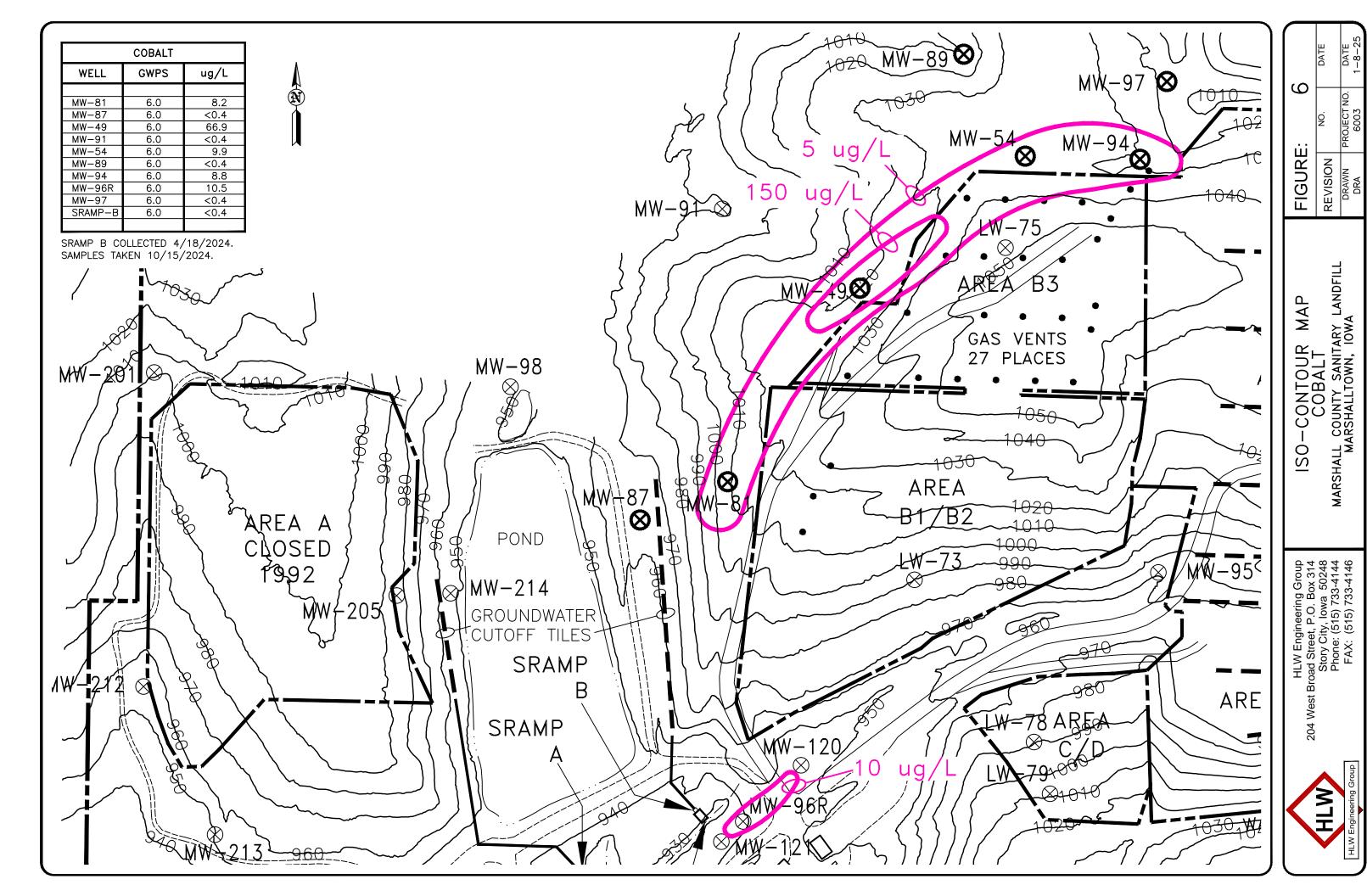
CORRECTIVE ACTION PLAN MAP

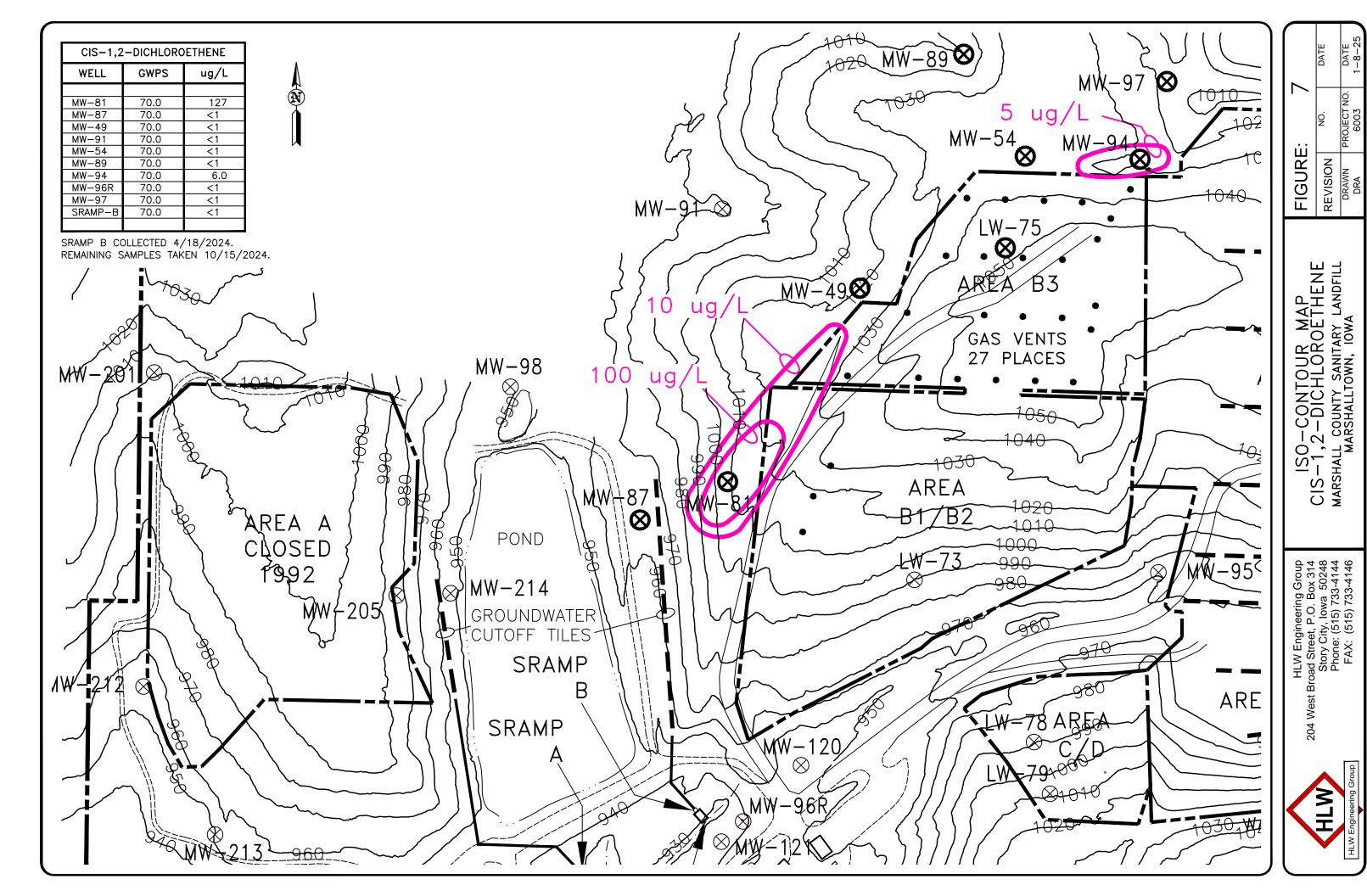
MARSHALL COUNTY SANITARY LANDFILL

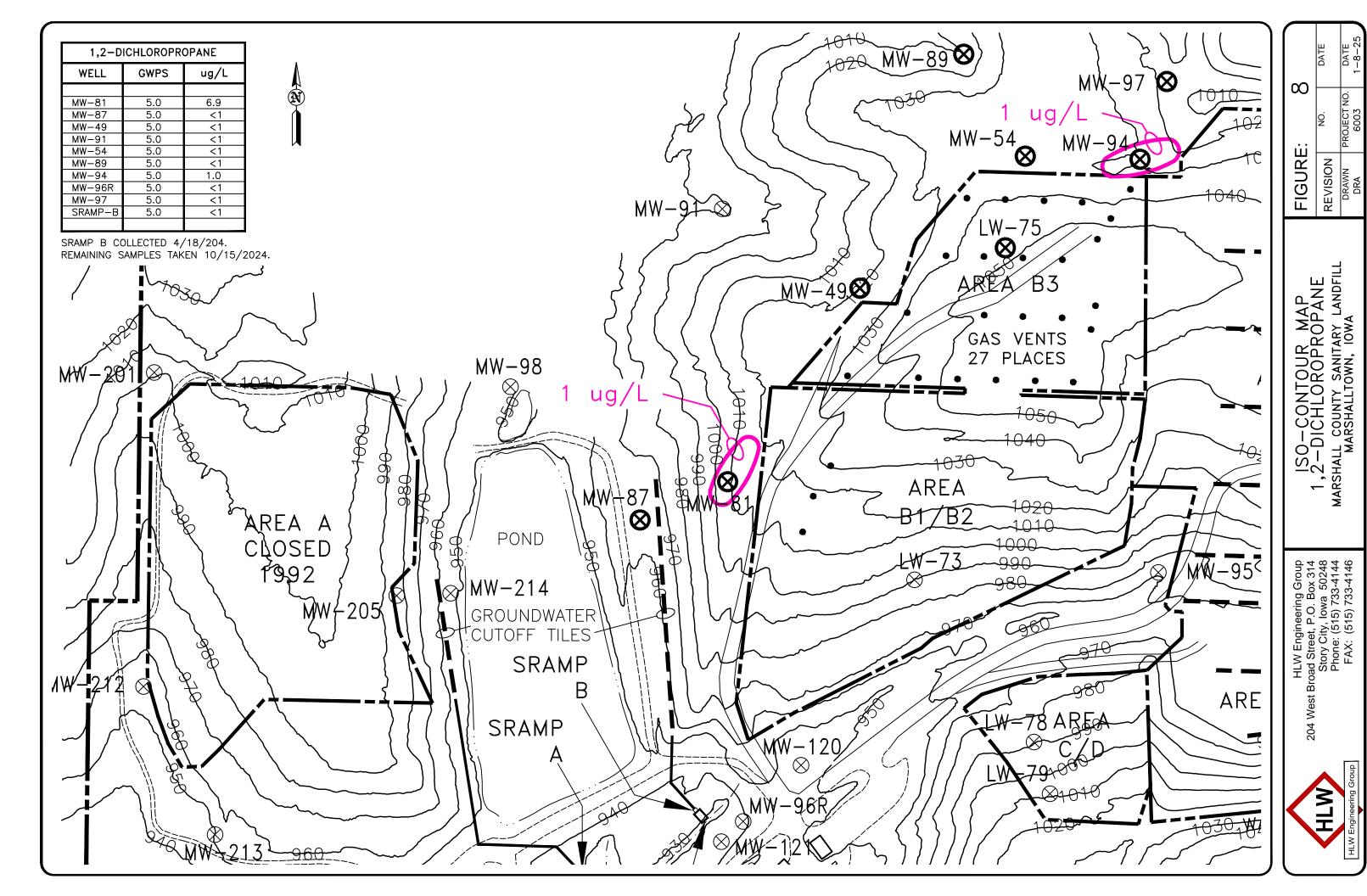
MARSHALLTOWN, IOWA

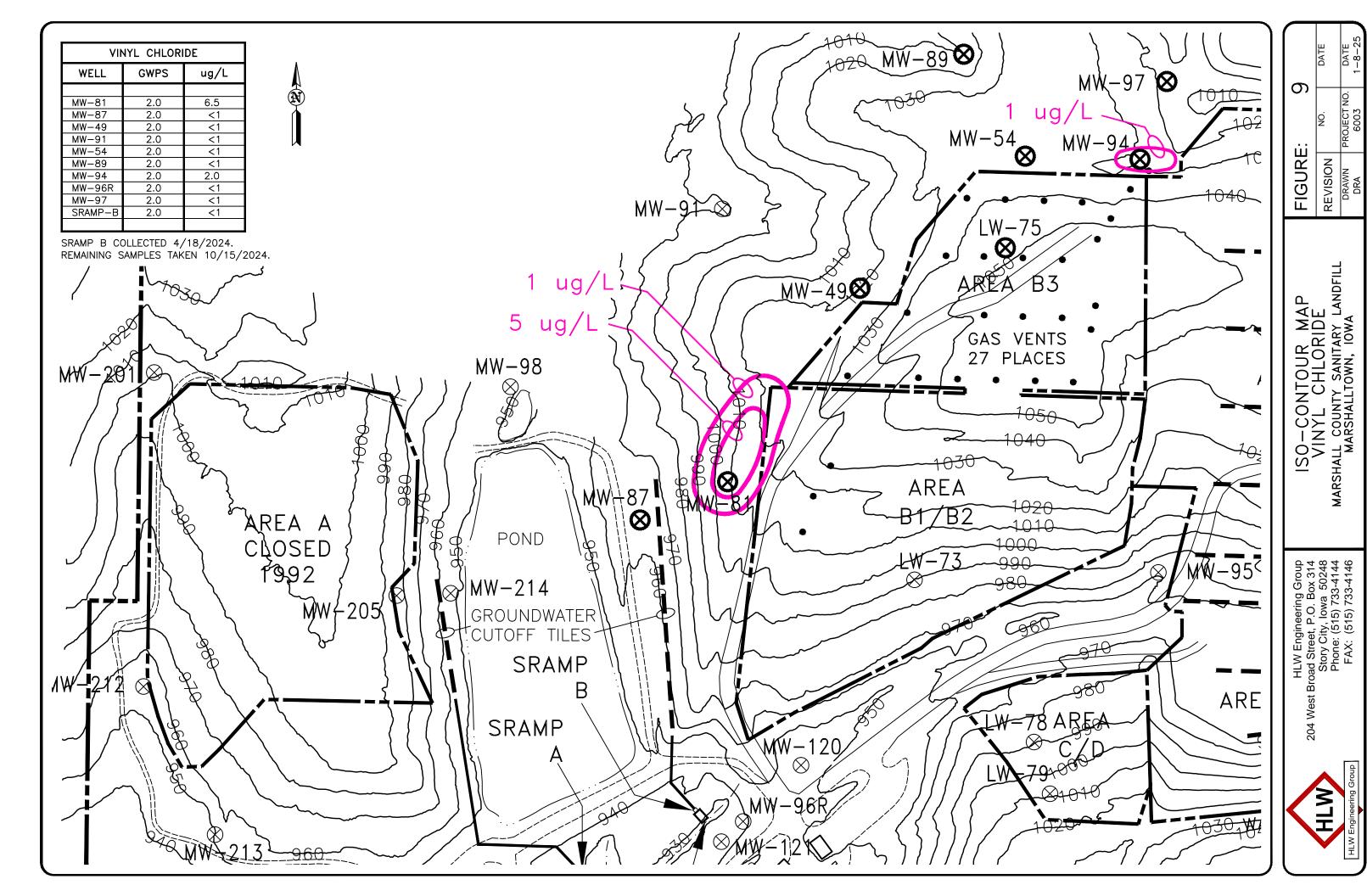
| FIGURE: 4 | | | | | |
|-----------|-------------|--------|--|--|--|
| REVISION | NO. | DATE | | | |
| DRAWN | PROJECT NO. | DATE | | | |
| DRA | 6003 | 1-8-25 | | | |











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 Required**
- Table 9 Analytical Data Summary
- Table 10 Historic SSI and SSL Not Required
- Table 11 Corrective Action Trend Analysis Not Required
- Table 12 Leachate 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

| Manitaring Well Formation | | Change for nex | Change for next | | | 2024 0 | Total # of Samples in each monitoring program since October 15, 2014 | | |
|---------------------------|-------------------------------------|--------------------------------|-----------------|--|----------------------------|--------------------------|--|------------|-------------------|
| Monitoring Well | onitoring Well Formation Current Mo | Current Monitoring Program | sampling event | Historic - Constituents w/ SSI | 2024 - Constituents w/ SSI | 2024 Constituents w/ SSL | 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 | 23 | 0 | 0 |
| MW-98 | Alluvium | Background | NC | None | None | None | 17 | 0 | 0 |
| MW-99 | Alluvium | Background | NC | None | None | None | 17 | 0 | 0 |
| MW-87 | Glacial Till | AZPOC - detection | NC | None | None | None | 21 | 0 | 0 |
| MW-89 | Glacial Till | AZPOC - detection | NC | None | None | None | 21 | 0 | 0 |
| MW-91 | Glacial Till | AZPOC - assessment | NC | selenium, 1,1-dichloroethane | None | None | 0 | 21 | 0 |
| MW-93 | Glacial Till | POC - Lagoon - detection | NC | arsenic, cobalt, nickel | None | None | 21 | 0 | 0 |
| MW-95 | Glacial Till | POC - detection | NC | None | None | None | 21 | 0 | 0 |
| MW-96R | Glacial Till | POC - detection | NC | arsenic, barium, cobalt | None | None | 0 | 9 | 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 | 21 |
| 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 | 21 |
| 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 | 21 |
| 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 | 21 |
| MW-97 | Glacial Till | AZPOC - detection | NC | None | None | None | 21 | 0 | 0 |
| SRAMP-B | Glacial Till | POC - detection | NC | None | None | None | 7 | 0 | 0 |
| PECS-B | Glacial Till | PECS Performance | NC | None | None | None | 1 | 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

| | Recent Sampling Dates and Constituents | Upcoming Sampling Dates and Constituents | | | uents | Full Appendix II Sample Dates | | |
|-----------------|--|--|---------------------|-----------|----------------|---|------------|-----------------------|
| Monitoring Well | | January 2025 | April 2025 | July 2025 | October 2025 | Previously Collected | Next Event | |
| MW-66 | | | Appendix I | | Appendix I | | N/A | background |
| ИW-85 | | | Appendix I | | Appendix I | | N/A | background |
| ИW-98 | See following pages | | Appendix I | | Appendix I | | N/A | background |
| ИW-99 | | | Appendix I | | Appendix I | | N/A | background |
| ИW-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 |
| ИW-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 |
| ИW-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 |
| ИW-93 | | | Appendix I | | Appendix I | 10/8/12, 4/4/13, 10/22/2018, 10/13/2023 | N/A | poc-detection |
| ИW-95 | | | Appendix I | | Appendix I | | N/A | poc-detection |
| MW-96R | | | Appendix I | | Appendix I | 10/8/2021, 10/25/2022 | N/A | poc-detection |
| ИW-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-assessme |
| √W-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-assessme |
| ИW-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-assessme |
| ИW-94 | | | Appendix I + Note 1 | | Appendix I | 4/4/11, 10/6/11, 10/8/12, 10/9/17 | N/A | supplemental-assessme |
| ИW-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 |
| .W-75 | | | Note 1 + Note 2 | | | | N/A | CAMP |
| /ents 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

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 | n HMSP | |
| GU-3 | Appendix I | Appendix I | Appendix I | Removed from | n 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 | Installed | Installed 9/13 | Installed 9/13 | Appendix I |
| | 9/13 | 9/13 | | | |
| 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⁾ | I | 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⁾ | I | 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⁾ | I | 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, | | As, Co, cis-1,2-DCE, | As, Co, cis-1,2-DCE, | As, Co, cis-1,2-DCE, |
| | vinyl chloride | | vinyl chloride | vinyl chloride | 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- | Appendix I | Dry | Dry | | | Appendix I |
| В | | | | | | |
| 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-copper | Appendix I | |
| SRAMP- | | Appendix I | | Dry | |
| В | | | | | |
| 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.

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

| Compliance with | | | ו | Monito | oring C | alenda | r Year | S | | |
|---|------|------|------|--------|---------|--------|--------|------|------|------|
| Compliance with: | 1996 | 2001 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| 567 IAC 113.10(2)"f"(1) high and low water levels (biennial) | Х | Х | Х | X | Χ | Х | Χ | Х | Х | Х |
| 567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = biennial) | Х | Х | Х | | | Х | Х | | Х | |
| 567 IAC 113.10(2)"f"(3) well depths (annual) | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ |
| 567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial) | Х | Х | Х | | | Х | Х | | Х | |
| Waste separation from ground water 113.6(2)"I" | | | | | 2X | 2X | 2X | 2X | 2X | 2X |

| Compliance with | | | ſ | Monito | oring C | alenda | ır Year | S |) | |
|---|------|------|------|--------|---------|--------|---------|------|------|------|
| Compliance with: | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| 567 IAC 113.10(2)"f"(1) high and low water levels (biennial) | Х | Х | Х | X | Χ | Х | Χ | Х | Х | Х |
| 567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = biennial) | Х | | х | | Х | | Х | | Х | |
| 567 IAC 113.10(2)"f"(3) well depths (annual) | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ |
| 567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial) | Х | | Х | | Х | | Х | | Х | |
| Waste separation from ground water 113.6(2)"I" | 2X | 2X | 2X | 2X | 2X | 2X | 2X | 2X | 2X | 2X |

| Compliance with: | | | 1 | Monito | oring C | alenda | ar Year | S | | |
|---|------|------|------|--------|---------|--------|---------|------|------|------|
| Compliance with: | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 |
| 567 IAC 113.10(2)"f"(1) high and low water levels (biennial) | Х | Р | Р | Р | Р | Р | Р | Р | Р | Р |
| 567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = biennial) | Х | | Р | | Р | | Р | | Р | |
| 567 IAC 113.10(2)"f"(3) well depths (annual) | Χ | Р | Р | Р | Р | Р | Р | Р | Р | Р |
| 567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial) | Х | | Р | | Р | | Р | | Р | |
| Waste separation from ground water 113.6(2)"I" | 2X | 2P | 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 | Top of | Total | | Date of M | easurements | Maximum Depth | Hydraulic Cond. | Most Recent | Recharge Rate | | |
|----------|---------|------------------------|-------------|--|--|--|------------------|---|---|--|------|--|
| weii | casing | Screen | Depth | | 4/16/2024 | 10/15/2024 | Discrepancy (ft) | (cm/sec)/date | 4/16/2024 | Change | | |
| | | | | Groundwater Level (ft) | 51.86 | 51.86 | | , , , | DRY | J | | |
| MW-66 | 1032.39 | 995.53 | 51.86 | Groundwater Elevation (Ft MSL) | 980.53 | 980.53 | 0 | 0.000392 | | | | |
| | | | | Measured Well Depth (ft) | 51.86 | 51.86 | l | Feb 2001 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | -15 | -15 | | | | | | |
| | | | | | | | | | Full | Nana | | |
| MW-85 | 1039.27 | 982.2 | 72.07 | Groundwater Level (ft) | 37.42 | 35.38 | | | recovery in <5 hour | None percieved | | |
| 10100-03 | 1039.27 | 302.2 | 72.07 | Groundwater Elevation (Ft MSL) | 1001.85 | 1003.89 | 0.87 | 0.0000138 | \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | percieveu | | |
| | | | | Measured Well Depth (ft) | 71.2 | 71.2 | 1 | Feb 2006 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 19.65 | 21.69 | 1 | 160 2000 | | | | |
| | | | | Calamer Bear () or Emposed sorrein () | | | | | Full | | | |
| | | | | | | | | | recovery in | None | | |
| MW-98 | 953.24 | 941.81 | 21.65 | Groundwater Level (ft) | 5.56 | 6.76 | | | <5 hour | percieved | | |
| | | | | Groundwater Elevation (Ft MSL) | 947.68 | 946.48 | 0 | Not Measured | | | | |
| | | | | Measured Well Depth (ft) | 21.65 | 21.65 | | | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 5.87 | 4.67 | | | | | | |
| | | | | | | | | | Full | | | |
| | | | 24.0 | | | | | | recovery in | None | | |
| MW-99 | 913.98 | 902.35 | 21.9 | Groundwater Level (ft) | 11.8 | 11.74 | 0 | No. 1 N.A | <3 hour | percieved | | |
| | | | | Groundwater Elevation (Ft MSL) | 902.18 | 902.24 | - | Not Measured | | | | |
| | | | | Measured Well Depth (ft) Submerged (+) or Exposed screen (-) | 21.9 -0.17 | 21.9 -0.11 | + 1 | | | | | |
| | | | | Submerged (+) or exposed screen (-) | -0.17 | -0.11 | | | 90% | | | |
| | | | | | | | | | recovery in | None | | |
| MW-87 | 964.2 | 952.62 | 21.58 | Groundwater Level (ft) | 5.25 | 7.98 | | | 5 hour | percieved | | |
| 5, | | | 55 | Groundwater Elevation (Ft MSL) | 958.95 | 956.22 | 0.58 | 0.00000359 | 3.1001 | p S. Sieveu | | |
| | | | | Measured Well Depth (ft) | 21 | 21 | 1 | Feb 2006 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 6.33 | 3.6 | 1 | | | | | |
| | | | | | | | | | 90% | | | |
| | | | | | | | | | recovery in | None | | |
| MW-89 | 1012.79 | 995.25 | 27.5 | Groundwater Level (ft) | 8.26 | 8.75 | 0.2 | | 8 hour | percieved | | |
| | | | | Groundwater Elevation (Ft MSL) | 1004.53 | 1004.04 |] 0.2 | 0.0000039 | | | | |
| | | | | Measured Well Depth (ft) | 27.3 | 27.3 | | Feb 2006 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 9.28 | 8.79 | | | | | | |
| | | | | | | | | | Full | | | |
| | | | | | | | | | recovery in | None | | |
| MW-91 | 978.57 | 971.07 | 17.5 | Groundwater Level (ft) | 8.79 | 11.5 | 0.5 | | 4 hour | percieved | | |
| | | | | Groundwater Elevation (Ft MSL) | 969.78 | 967.07 | | 0.000622 | | | | |
| | | | | Measured Well Depth (ft) | 17 | 17 | 4 | Feb 2006 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | -1.29 | -4 | | | | | | |
| | | | | | | | | | Full . | | | |
| | 004.04 | 909.74 22.2 | 000.74 | 22.25 | | | | | | recovery in | None | |
| MW-93 | 921.91 | 909.74 | 22.25 | Groundwater Level (ft) | 18.41 | 18.42 | 0.05 | Nick Maccouncil | 4 hour | percieved | | |
| | | | | Groundwater Elevation (Ft MSL) Measured Well Depth (ft) | 903.5 | 903.49 | - | Not Measured | | | | |
| | | | | Submerged (+) or Exposed screen (-) | -6.24 | -6.25 | - 1 | | | | | |
| | | | | Submerged (+) or exposed screen (-) | -0.24 | -0.23 | | | Full | | | |
| | | | | | | | | | recovery in | None | | |
| MW-95 | 973.55 | 960.16 | 23.39 | Groundwater Level (ft) | 7.45 | 5.41 | | | >8 hour | percieved | | |
| | | | | Groundwater Elevation (Ft MSL) | 966.1 | 968.14 | -0.01 | Not Measured | | p or or or or | | |
| | | | | Measured Well Depth (ft) | 23.4 | 23.4 | 1 | | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 5.94 | 7.98 | | | | | | |
| | | | | | | | | | Full | | | |
| | | | | | | | | | recovery in | None | | |
| MW-96R | 941.85 | 931.05 | 20.8 | Groundwater Level (ft) | 10.63 | 13.81 | 0 | | 6 hour | percieved | | |
| | | | | Groundwater Elevation (Ft MSL) | 931.22 | 928.04 | Ĭ | Not Measured | | | | |
| | | | | Measured Well Depth (ft) | 20.8 | 20.8 | 4 | | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 0.17 | -3.01 | | | | | | |
| | | | | | | | | | Full | | | |
| MW-49 | 1019.99 | 993.57 | 26.25 | Croundwater Laval (ft) | 20.11 | 16.30 | | | recovery in | None | | |
| 17177-49 | 1013.33 | <i>53</i> 3.3 <i>/</i> | 20.25 | Groundwater Level (ft) Groundwater Elevation (Ft MSL) | 20.11 999.88 | 16.39 1003.6 | 0 | 0.00012 | 8 hour | percieved | | |
| | I | | | | 777.00 | I TOOD'D | 0 0.00013 | | 0 0.00013 | | 1 | |
| | | | | Measured Well Denth (ft) | 26.25 | 26.25 | 1 | Fah 2006 | | | | |
| | | | | Measured Well Depth (ft) Submerged (+) or Exposed screen (-) | 26.25 6.31 | 26.25 10.03 | | Feb 2006 | | | | |
| | | | | Measured Well Depth (ft) Submerged (+) or Exposed screen (-) | 26.25 6.31 | 26.25 10.03 | | Feb 2006 | Full | | | |
| | | | | | | | | Feb 2006 | Full recovery in | None | | |
| MW-54 | 1035.44 | 1013.49 | 31.8 | Submerged (+) or Exposed screen (-) | 6.31 | 10.03 | | Feb 2006 | recovery in | None percieved | | |
| MW-54 | 1035.44 | 1013.49 | 31.8 | | | | 0 | Feb 2006 0.00000551 | | None percieved | | |
| MW-54 | 1035.44 | 1013.49 | 31.8 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) | 6.31 | 10.03 | 0 | | recovery in | | | |
| MW-54 | 1035.44 | 1013.49 | 31.8 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) | 6.31 17.46 1017.98 | 10.03 18.01 1017.43 | 0 | 0.00000551 | recovery in | | | |
| MW-54 | 1035.44 | 1013.49 | 31.8 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) | 17.46 1017.98 31.8 | 10.03 18.01 1017.43 31.8 | 0 | 0.00000551 | recovery in | | | |
| MW-54 | 1035.44 | 1013.49 | 31.8 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) | 17.46 1017.98 31.8 | 10.03 18.01 1017.43 31.8 | 0 | 0.00000551 | recovery in 8 hour | | | |
| MW-54 | 1035.44 | 1013.49 989.27 | 31.8 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) | 17.46 1017.98 31.8 | 10.03 18.01 1017.43 31.8 | | 0.00000551 | recovery in 8 hour Full | percieved | | |
| | | | | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) | 17.46 1017.98 31.8 4.49 | 10.03 18.01 1017.43 31.8 3.94 | 1.1 | 0.00000551 | recovery in 8 hour Full recovery in | percieved None | | |
| | | | | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) | 6.31 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 | 10.03 18.01 1017.43 31.8 3.94 | | 0.00000551 Feb 2006 | recovery in 8 hour Full recovery in | percieved None | | |
| | | | | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) | 6.31 17.46 1017.98 31.8 4.49 22.49 986.78 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 | | 0.00000551 Feb 2006 0.0000197 | recovery in 8 hour Full recovery in 4 hour | percieved None | | |
| | | | | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) | 6.31 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 33.9 | | 0.00000551 Feb 2006 0.0000197 | Full recovery in 4 hour | None percieved | | |
| MW-81 | 1009.27 | 989.27 | 35 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) | 6.31 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 -2.49 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 33.9 -1.11 | | 0.00000551 Feb 2006 0.0000197 | Full recovery in 4 hour | None percieved None | | |
| | | | | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) | 6.31 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 -2.49 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 33.9 -1.11 | | 0.00000551 Feb 2006 0.0000197 Feb 2006 | Full recovery in 4 hour | None percieved | | |
| MW-81 | 1009.27 | 989.27 | 35 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Level (ft) Groundwater Level (ft) | 6.31 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 -2.49 15.36 1015.63 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 33.9 -1.11 16.1 1014.89 | 1.1 | 0.00000551 Feb 2006 0.0000197 | Full recovery in 4 hour | None percieved None | | |
| MW-81 | 1009.27 | 989.27 | 35 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) | 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 -2.49 15.36 1015.63 27.5 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 33.9 -1.11 16.1 1014.89 27.5 | 1.1 | 0.00000551 Feb 2006 0.0000197 Feb 2006 | Full recovery in 4 hour | None percieved None | | |
| MW-81 | 1009.27 | 989.27 | 35 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Level (ft) Groundwater Level (ft) | 6.31 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 -2.49 15.36 1015.63 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 33.9 -1.11 16.1 1014.89 | 1.1 | 0.00000551 Feb 2006 0.0000197 Feb 2006 | Full recovery in 4 hour Full recovery in 4 hour | None percieved None | | |
| MW-81 | 1009.27 | 989.27 | 35 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) | 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 -2.49 15.36 1015.63 27.5 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 33.9 -1.11 16.1 1014.89 27.5 | 1.1 | 0.00000551 Feb 2006 0.0000197 Feb 2006 | Full recovery in 4 hour Full recovery in 4 hour | None percieved None percieved | | |
| MW-81 | 1009.27 | 989.27 | 35 27.85 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) | 6.31 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 -2.49 15.36 1015.63 27.5 2.49 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 33.9 -1.11 16.1 1014.89 27.5 1.75 | 1.1 | 0.00000551 Feb 2006 0.0000197 Feb 2006 | Full recovery in 4 hour Full recovery in 4 hour 90% recovery in | None percieved None percieved | | |
| MW-81 | 1009.27 | 989.27 | 35 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) | 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 -2.49 15.36 1015.63 27.5 2.49 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 33.9 -1.11 16.1 1014.89 27.5 1.75 | 1.1 | 0.00000551 Feb 2006 0.0000197 Feb 2006 Not Measured | Full recovery in 4 hour Full recovery in 4 hour | None percieved None percieved | | |
| MW-81 | 1009.27 | 989.27 | 35 27.85 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Level (ft) Groundwater Level (ft) Groundwater Level (ft) | 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 -2.49 15.36 1015.63 27.5 2.49 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 33.9 -1.11 16.1 1014.89 27.5 1.75 14.15 1001.23 | 0.35 | 0.00000551 Feb 2006 0.0000197 Feb 2006 | Full recovery in 4 hour Full recovery in 4 hour 90% recovery in | None percieved None percieved | | |
| MW-81 | 1009.27 | 989.27 | 35 27.85 | Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) Groundwater Elevation (Ft MSL) Measured Well Depth (ft) Submerged (+) or Exposed screen (-) Groundwater Level (ft) | 17.46 1017.98 31.8 4.49 22.49 986.78 33.9 -2.49 15.36 1015.63 27.5 2.49 | 10.03 18.01 1017.43 31.8 3.94 21.11 988.16 33.9 -1.11 16.1 1014.89 27.5 1.75 | 0.35 | 0.00000551 Feb 2006 0.0000197 Feb 2006 Not Measured | Full recovery in 4 hour Full recovery in 4 hour 90% recovery in | None percieved None percieved None percieved | | |

Groundwater Underdrain Piezometer

| Well | Dat | e of Measureme | ents |
|-----------|-----------------------------------|----------------|------------|
| | | 4/16/2024 | 10/15/2024 |
| GPZ - 105 | bottom of waste (feet MSL) | 962 | 962 |
| | Bottom Screen of GPZ (feet MSL) | 956.75 | 956.75 |
| | Thickness Water in GPZ (ft) | 0.08 | 0.1 |
| | Elevation water in GPZ (feet MSL) | 956.83 | 956.85 |
| | Minimum Separation (ft) | 5.17 | 5.15 |

Table 4A – Water Elevation Summary Over Time

| Area B Eleva | tions | COUNTY SA | | | | | | | | |
|---|--------------------|------------|--------------------|-------------------|--------------------|------------------|--------------------|------------------|------------------|--------------------|
| | MONTHL MW 49 | Y WATER EL | | MW 81 | MW 85 | MW 87 | MW 89 | MW 91 | MW93 | MW94 |
| TOP PVC. ELEV, FT. | 1019.99 | | 1032.39 | 1009.27 | 1039.27 | 964.20 | | | | 1030.9 |
| DATE | | | | | | | | | | |
| 01/17/2001 | 999.65 | 1004.68 | | | | | 1001.08 | 966.87 | | |
| 02/07/2001 | 1006.89 | | | 988.07 | 1002.25 | 958.67 | | 972.44 | | |
| 04/25/2001 | 1006.84 | | | 992.77 | 1005.67 | 958.70 | | 973.57 | | |
| 07/20/2001 | 1002.74 | | | 000.07 | 4004.07 | 050.00 | 1005.89 | | | |
| 10/05/2001 01/03/2002 | 998.89 998.29 | | | 988.87 | 1001.97 | 956.20 | 1003.94 1002.59 | 966.77 966.97 | 1 | |
| 04/29/2002 | 1003.02 | | | 989.13 | 1001.22 | 958.11 | | 968.07 | | |
| 07/03/2002 | 1005.69 | | | | | | 1004.74 | 971.87 | | |
| 10/14/2002 | 999.40 | | 994.97 | 988.72 | 1001.86 | 956.27 | | | | |
| 01/27/2003 | 997.59 | | | 007.57 | 000.40 | 050.07 | 1000.59 | | | |
| 04/21/2003 07/10/2003 | 997.84 1007.49 | | | 987.57 | 999.18 | 958.27 | 1000.88 1006.74 | | | |
| 10/01/2003 | 1007.49 | | | 988.59 | 1003.76 | 955.75 | | | | |
| 04/22/2004 | 1006.89 | | | 994.97 | 1005.57 | 959.80 | | | | |
| 10/05/2004 | 998.79 | | | 989.97 | 1002.27 | 956.55 | | | | |
| 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 | 999.33 | 1013.32 | 990.00 | 990.00 | 1003.22 | 937.12 | 1002.94 | 907.49 | | |
| 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 | | 970.71 | | |
| 01/02/2007 04/10/2007 | 1006.58 | 1019.95 | | 1009.27 996.21 | 1006.29 | 964.20 960.33 | | 974.23 | | |
| 07/30/2007 | 1000.50 | 1013.33 | 1005.45 | 330.21 | 1000.23 | 900.00 | 1000.04 | 374.20 | | |
| 10/10/2007 | 1000.29 | 1015.63 | | 992.03 | 1003.31 | 959.75 | 1004.19 | 970.43 | | |
| 01/16/2008 | | | | | | | | | | |
| 04/01/2008 | 1006.32 | | | 991.83 | | | | 974.06 | | |
| 06/20/2008 08/05/2008 | 1004.98 1002.94 | | 1009.66 1007.69 | 995.98 995.49 | | 960.02 960.02 | | 973.45 969.47 | 909.35 | |
| 10/02/2008 | 999.49 | | 1000.91 | 991.67 | 1003.67 | 959.48 | | | 907.96 | |
| 12/10/2008 | 1001.98 | | 998.59 | 991.87 | 1003.77 | 960.20 | | 969.55 | | |
| 04/01/2009 | 1005.74 | | | 994.17 | 1005.27 | 960.50 | | 973.97 | | |
| 10/21/2009 | 1005.19 | | | 993.39 | | | | | | |
| 04/20/2010 10/08/2010 | 1003.99 1004.19 | | 1005.89 1004.99 | 993.77 993.77 | 1005.77 1006.22 | 960.35 960.20 | | 972.87 972.27 | | |
| 04/04/2011 | 1004.13 | | | 992.87 | 1004.52 | 960.40 | | 971.57 | | 1014.99 |
| 10/05/2011 | 997.99 | | | 989.17 | 1002.37 | 957.20 | | 966.47 | 904.61 | 1011.69 |
| 04/09/2012 | 1005.49 | | | 991.67 | 1002.92 | 960.00 | | 969.07 | 906.76 | |
| 10/08/2012 | 996.39 | | 992.59 | 987.27 | 999.87 | 954.65 | | 965.47 | 902.61 | 1009.49 |
| 04/05/2013 10/15/2013 | 1006.99 997.44 | | 990.49 989.21 | 989.27 988.60 | 1000.97 1002.37 | 960.40 955.85 | _ | 971.47 963.87 | 905.41 900.59 | 1020.19 1010.64 |
| 04/09/2014 | 1000.49 | | 987.59 | 986.57 | 1002.57 | | | 967.82 | | 1015.19 |
| 10/17/2014 | 1005.91 | 1020.79 | | 993.67 | 1004.97 | 960.55 | | 972.22 | | 1017.39 |
| 04/03/2015 | 1002.56 | | | 992.07 | 1004.47 | 960.50 | | 969.47 | | |
| 10/01/2015 | 1000.54 | | 986.48 | 991.57 | 1004.13 | | | 968.77 | | |
| 4/14/2016 | 1003.48 | | 988.61 983.87 | 994.37 | 1004.94 | 960.60 | | 971.97 971.06 | 909.37 908.25 | |
| 10/13/2016 4/10/2017 | 1005.38 1007.88 | | 983.87 | 993.01 995.19 | 1005.32 1005.00 | 960.43 960.56 | | 971.06 | | |
| 10/9/2017 | 997.84 | | 980.49 | 988.82 | 1003.00 | | | 966.45 | | |
| 4/17/2018 | 1008.62 | 1023.37 | 980.59 | 994.32 | 1002.55 | 960.70 | 1006.46 | 972.37 | 907.30 | 1018.3 |
| 10/22/2018 | 1006.89 | | 980.59 | 994.51 | 1007.25 | | | 972.47 | | |
| 4/22/2019 10/23/2019 | 1004.09 | | 980.54 | 993.99 | | 960.10 | | 971.26 | | 1017.7 |
| 4/10/2020 | 1006.10 1005.55 | | 980.54 980.54 | 993.40 993.83 | 1004.27 1005.89 | 960.38 960.34 | | 972.64 971.77 | | 1017.3 1017.1 |
| 10/23/2020 | 998.73 | | | 989.54 | 1003.69 | | | 967.21 | 904.16 | |
| 4/5/2021 | 1007.32 | | 980.54 | 992.24 | 1003.86 | | | 972.14 | | 1018.7 |
| 10/8/2021 | 997.54 | 1015.18 | 980.54 | 987.15 | 1000.13 | 955.10 | 1000.03 | 966.77 | 902.42 | 1010.5 |
| 4/6/2022 | 1005.50 | | | 991.22 | 1001.89 | | | | | |
| 10/25/2022 4/10/2023 | 998.49 1006.97 | | 980.54 980.54 | 987.39 992.02 | 1002.09 1004.82 | 955.69 960.16 | | | | 1011.1 1017.2 |
| 10/13/2023 | 997.23 | | 980.54 | 992.02 | | | | 966.43 | | |
| 4/16/2024 | 999.88 | | | 986.78 | | | | | | |
| 10/15/2024 | 1003.60 | | | 988.16 | | | | | | |
| | | | | | | | | | | |
| navimum danth ta watar | 00 | 20.0 | E0 F | 00.05 | AE A | 0.55 | 10.5 | 447 | 21.32 | 21. |
| naximum depth to water low water elevation | 26 993.99 | | | 23.25 986.02 | | 9.55 954.65 | | | | |
| minimum depth to water | | | | 12.43 | | | | | | |
| high water elevation | 1009.45 | | | 996.84 | | | | | | |

| Area B Eleva | tions | | | | | | |
|---|------------------|------------------|--------------------|------------------|------------------|------------------|---------------|
| | MW95 | MW96 | MW97 | | MW99 | MW120 | MW121 |
| TOP PVC. ELEV, FT. | 973.55 | | 1015.38 | 953.24 | 913.98 | 948.04 | 938.6° |
| 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 | 000.05 | 025.46 | | | | | |
| 04/04/2011 10/05/2011 | 966.95 969.55 | 935.16 933.11 | | | | | |
| 04/09/2012 | 967.20 | 935.16 | | | | | |
| 10/08/2012 | 968.35 | | | | | | |
| 04/05/2013 | 965.40 | 934.21 | | | | | |
| 10/15/2013 | 968.35 | 932.21 | 1000.00 | | | | |
| 04/09/2014 10/17/2014 | 966.55 970.00 | 933.41 936.81 | 1002.68 1006.28 | | | | |
| 04/03/2015 | 967.05 | | 1000.28 | | | | |
| 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 10/9/2017 | 962.35 969.40 | 936.59 934.80 | 1006.58 999.24 | 949.43 947.07 | 907.64 894.10 | | |
| 4/17/2018 | 966.98 | 934.60 | 1005.32 | 949.49 | | | |
| 10/22/2018 | 970.40 | 939.81 | 1007.24 | 948.70 | 907.75 | | |
| 4/22/2019 | 967.27 | 934.87 | 1004.98 | 948.86 | | | |
| 10/23/2019 | 970.13 | | | 949.41 | | | |
| 4/10/2020 10/23/2020 | 967.19 969.08 | 935.16 934.06 | | 949.31 947.44 | 906.84 902.88 | | |
| 4/5/2021 | 969.08 | | 1000.43 | 947.44 | | | |
| 10/8/2021 | 968.80 | 927.95 | | | | | |
| 4/6/2022 | 966.55 | 932.55 | 1005.10 | 948.75 | 903.59 | | |
| 10/25/2022 | 968.71 | 928.70 | | 946.35 | | | |
| 4/10/2023 | 966.69 | 931.36 | | 948.63 | | 938.54 938.23 | |
| 10/13/2023 4/16/2024 | 968.18 966.10 | | | 944.72 947.68 | | | |
| 10/15/2024 | 968.14 | | | | | | |
| . 5, 15,252 1 | 000.14 | 020.04 | .001.20 | 5 10.40 | 00L.L4 | 000.00 | 52 ∓.€ |
| | | | | | | | |
| naximum depth to water | | | | 8.3 | | | 14.0 |
| low water elevation ninimum depth to water | 962.35 2.96 | | 998.28 8.14 | | | | |
| high water elevation | 970.59 | | | | | | |

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 | <u></u> _ | | | | | | | | | |
|-------------------------|-----------|---------------|-------------|------------|----------|--------|------------------|------------|---------|--------|
| Constituent | Units | Model Type | Samples - N | Detections | Mean | SD | Prediction Limit | Confidence | GWPS | Source |
| Antimony (Sb) | μg/l | nonparametric | 65 | 0 | | | 2.0000 | 0.99 | 6 | SS |
| Arsenic (As) | μg/l | nonparametric | 63 | 5 | | | 7.8000 | 0.99 | 10 | SS |
| Barium (Ba) | μg/l | normal | 65 | 65 | 179.9300 | 113.53 | 452.8900 | | 2000 | SS |
| Beryllium (Be) | μg/l | nonparametric | 65 | 0 | | | 4.0000 | 0.99 | 4 | SS |
| Cadmium (Cd) | μg/l | nonparametric | 65 | 0 | | | 0.8000 | 0.99 | 5 | SS |
| Chromium (Cr) | μg/l | nonparametric | 65 | 2 | | | 23.4000 | 0.99 | 100 | SS |
| Cobalt (Co) | μg/l | normal | 65 | 35 | 1.519 | 1.817 | 5.9879 | | 5.9879 | Site |
| Copper (Cu) | μg/l | nonparametric | 65 | 4 | | | 5.3000 | 0.99 | 1300 | SS |
| Lead (Pb) | μg/l | nonparametric | 65 | 0 | | | 4.0000 | 0.99 | 15 | SS |
| Nickel (Ni) | μg/l | nonparametric | 64 | 14 | | | 8.8000 | 0.99 | 100 | SS |
| Selenium (Se) | μg/l | nonparametric | 65 | 0 | | | 4.0000 | 0.99 | 50 | SS |
| Silver (Ag) | μg/l | nonparametric | 65 | 0 | | | 4.0000 | 0.99 | 100 | SS |
| Thallium (TI) | μg/l | nonparametric | 65 | 0 | | | 2.0000 | 0.99 | 2 | SS |
| Vanadium (V) | μg/l | nonparametric | 65 | 0 | | | 20.0000 | 0.99 | 35 | SS |
| Zinc (Zn) | μg/l | nonparametric | 64 | 7 | | | 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 | 65 | 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

| intr | aweii ba | ckground at MW-93 a | ina ivivv-96K | |
|------------------|----------|---------------------|---------------|-------------|
| | | | Intrawell | IAC 567-137 |
| | | | Statistical | Statewide |
| | | | Control | Standards |
| Compound | Units | Point | Limit | |
| 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 | pending | 6 |
| Arsenic, total | ug/L | MW-96R | 71.8419 | 10 |
| Barium, total | ug/L | MW-96R | 2034.0643 | 2000 |
| Beryllium, total | ug/L | MW-96R | pending | 4 |
| Cadmium, totall | ug/L | MW-96R | pending | 5 |
| Chromium, total | ug/L | MW-96R | pending | 100 |
| Cobalt, total | ug/L | MW-96R | 22.9275 | 2.1 |
| Copper, total | ug/L | MW-96R | pending | 1300 |
| Lead, total | ug/L | MW-96R | pending | 15 |
| Nickel, total | ug/L | MW-96R | 12.632 | 100 |
| Selenium, total | ug/L | MW-96R | 15.3227 | 50 |
| Silver, total | ug/L | MW-96R | pending | 100 |
| Thallium, total | ug/L | MW-96R | pending | 2 |
| Vanadium, total | ug/L | MW-96R | pending | 35 |
| Zinc, total | ug/L | MW-96R | pending | 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 4/16/2024 & 10/15/2024 SRAMP B was dry 10/15/2024 PECS B was dry 4/16/2024 & 10/15/2024 LW-75 was sampled twice to get the required annual parameters

| Well | Constituent | Date | Most recent result (ug/L) | Background Standard (ug/L) | Monitoring Program | Statistical Method | |
|---------|-------------------------|------------------------|---------------------------|-------------------------------|--------------------|--------------------|---|
| MW-87 | None | 4/16/2024 & 10/15/2024 | N/A | N/A | AZPOC - detection | Interwell | |
| MW-89 | None | 4/16/2024 & 10/15/2024 | N/A | N/A | AZPOC - detection | Interwell | |
| MW-91 | None | 4/16/2024 & 10/15/2024 | N/A | N/A | AZPOC - assessment | Interwell | _ |
| MW-93 | Arsenic, Cobalt, Nickel | 4/16/2024 & 10/15/2024 | N/A | N/A | POC - assessment | Interwell | There is no SSI, as both methods of statistical |
| MW-93 | None | 4/16/2024 & 10/15/2024 | N/A | N/A | POC - assessment | INTRAWELL | analyses did not exhibit an exceedance (Doc #110151). |
| MW-95 | None | 4/16/2024 & 10/15/2024 | N/A | N/A | POC - detection | Interwell | |
| MW-96R | Cobalt, Selenium | 4/16/2024 & 10/15/2024 | N/A | N/A | POC - assessment | Interwell | There is no SSI, as both methods of statistical |
| MW-96R | None | 4/16/2024 & 10/15/2024 | N/A | N/A | POC - assessment | INTRAWELL | analyses did not exhibit an exceedance (Doc #110151). |
| MW-97 | None | 4/16/2024 & 10/15/2024 | N/A | N/A | AZPOC - detection | Interwell | |
| SRAMP-B | None | 4/16/2024 | N/A | N/A | POC - detection | Interwell | |

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

KEY: SSI

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

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

SSL LCL>GWPS

SSI

| | | | | | 331 | | | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |
| | | | | | | | | | |

KEY: SSI SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI **Annual Water Quality Report**

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

Marshall County Sanitary Landfill Permit No.64-SDP-02-75P

| | | | | | | | SSI | | |
|------------------------|---------------------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

KEY:

SSI

SSL LCL>GWPS

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

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill

| | | | | | | | SSI | | |
|------------------------|------------------------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

 Table 7
 KEY:
 SSI
 SSL LCL>GWPS

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

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

| | | | | | | | SSI | | |
|------------------------|----------------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

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

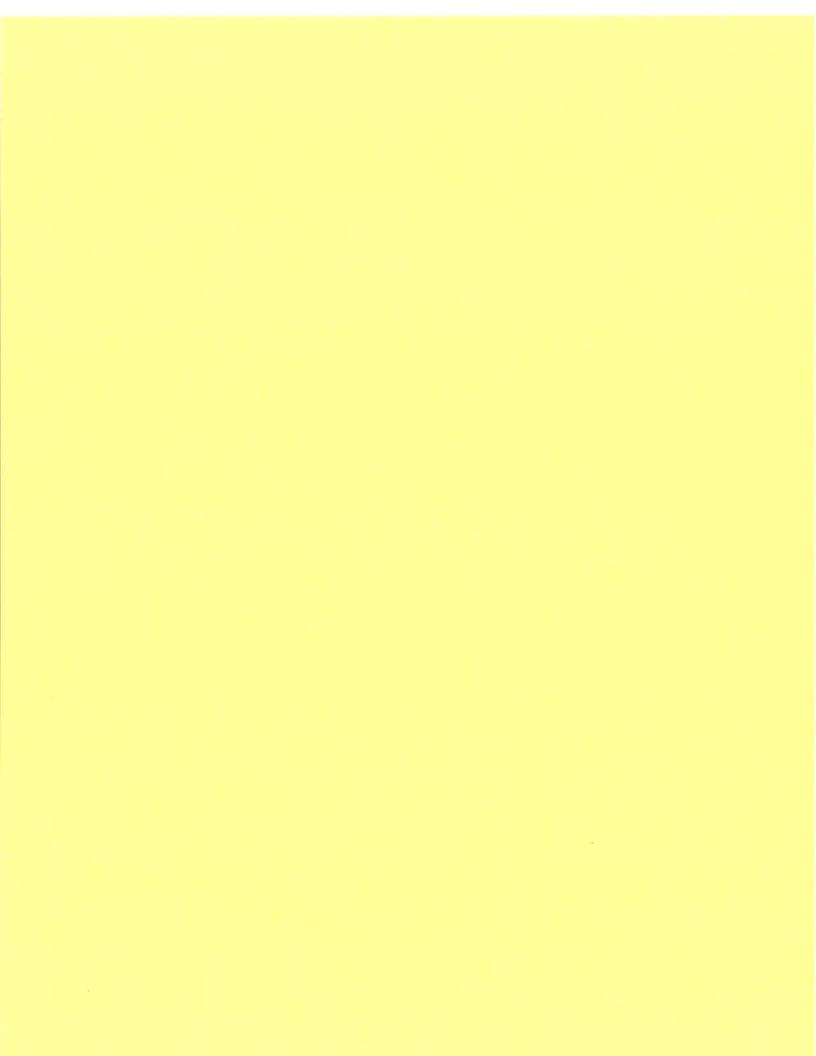


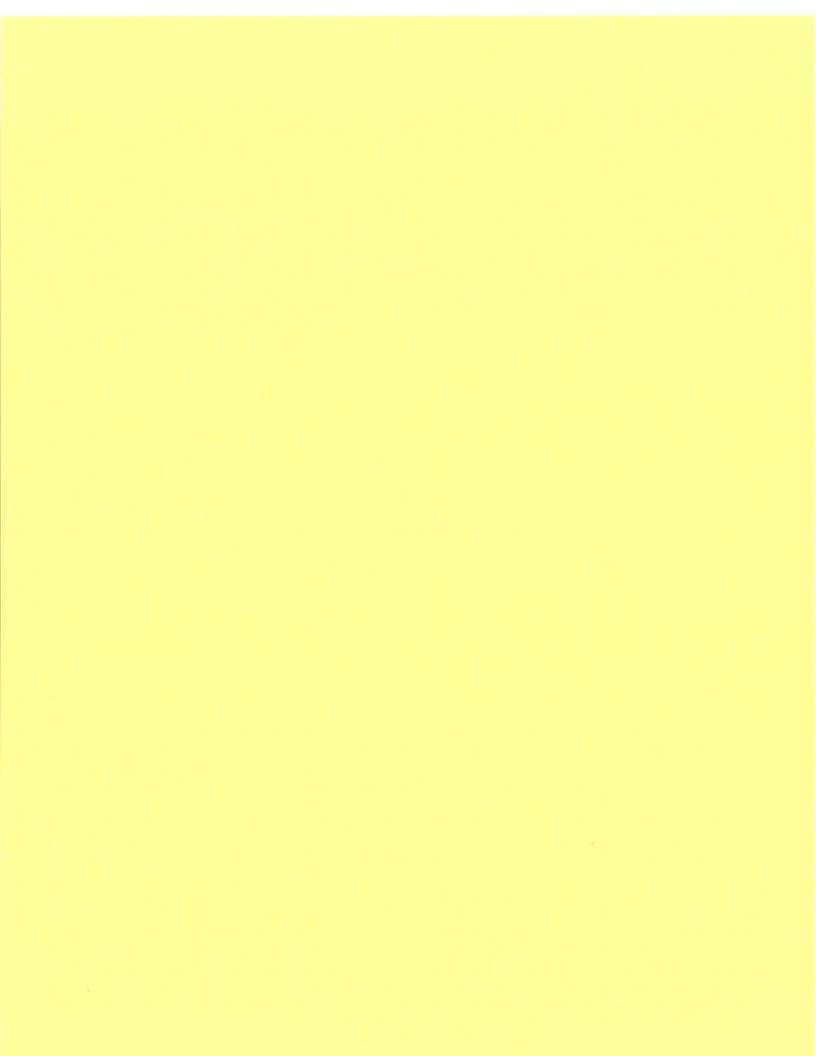
 Table 7
 KEY:
 SSI
 SSL LCL>GWPS

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

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

| | | | | | | | SSI | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

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



KEY:

SSI

SSL LCL>GWPS

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

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

SSI

| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
|-----------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

KEY:

SSI

SSL LCL>GWPS

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

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill

| | | | | | | | SSI | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |
| | | | | | | | | | |

KEY:

SSI

SSL LCL>GWPS Note: The absence of shading indicates that the condition does not exist.

Summary of Ongoing & Newly Identified SSI Annual Water Quality Report Marshall County Sanitary Landfill

| | | | | | | | CCI | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|----------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | SSI Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

KEY:

SSI

SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill

Permit No.64-SDP-02-75P

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

| | 1 CHINE (1010 + 35) 02 73 | ·· | | | | | | | |
|-----------------|---------------------------|----------------|---------------|--------------|----------------|--------------|----------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | SSI Initial | Resamples | Eth Background |
| Monitoring Well | Compound | Sample Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 5th Background |
| _ | • | | | | 95% LCL (ug/L) | | | | 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 |
| | | | | | | | | | |

KEY:

SSI

SSL LCL>GWPS Note: The absence of shading indicates that the condition does not exist.

Summary of Ongoing & Newly Identified SSI Annual Water Quality Report Marshall County Sanitary Landfill

| | | Sample | Each | Prediction | | GWPS | SSI Initial | Resamples | 5th Background |
|-----------------|--------------------|------------|---------------|--------------|----------------|--------------|----------------|-----------|----------------|
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

Table 7 KEY: SSI

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill

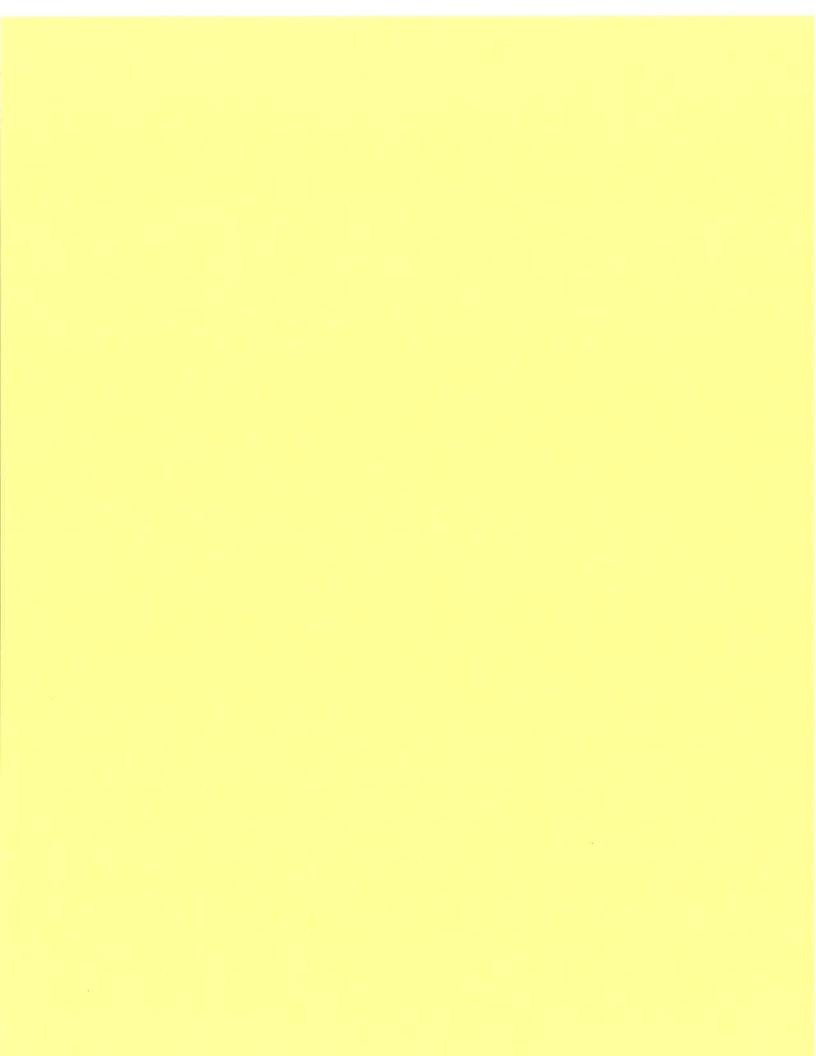
Permit No.64-SDP-02-75P

SSI SSL LCL>GWPS

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

| | | | | | | | SSI | | |
|------------------------|----------------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |
| | | | | | | | | | |

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



KEY:

SSI

SSL LCL>GWPS

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

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

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

KEY:

SSI

SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill

Permit No.64-SDP-02-75P

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

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

Table 7 KEY: SSI

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill

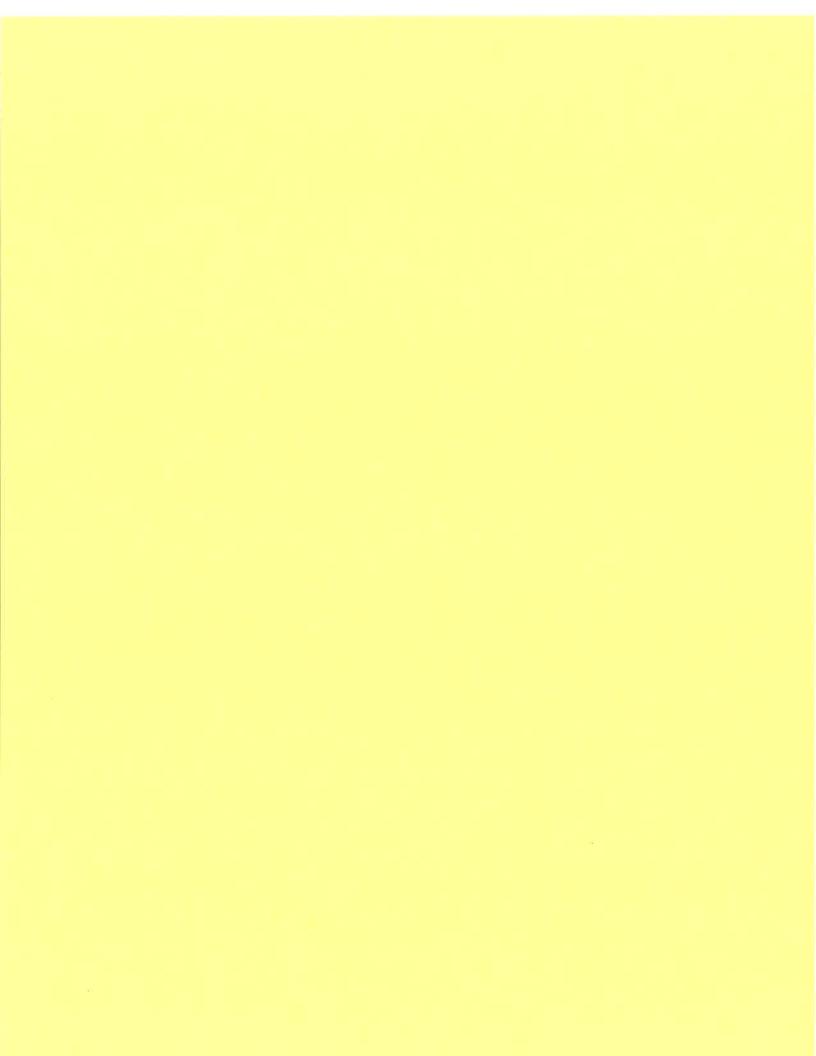
Permit No.64-SDP-02-75P

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

SSL LCL>GWPS

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



KEY:

SSI

SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill

Permit No.64-SDP-02-75P

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

| | | Sample | Each | Prediction | | GWPS | SSI Initial | Resamples | 5th Background |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|----------------|-----------|----------------|
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |
| | | | | | | | | | |

KEY:

SSI

SSL LCL>GWPS

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

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report

Marshall County Sanitary Landfill

| | | | | | | | SSI | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

KEY:

SSI

SSL LCL>GWPS

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

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill

| | | | | | | SSI | | | | | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|--|--|--|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background | | | |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 | | | |
| | | | | | | | | | | | | |

KEY:

SSI

SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report

Marshall County Sanitary Landfill Permit No.64-SDP-02-75P Note: The absence of shading indicates that the condition does not exist.

| | | | | | | | SSI | | |
|-----------------|----------|----------------|-----------------------|----------------------------|----------------|----------------------|-----------------------|------------------|--------------------------|
| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | Initial Exceedance | Resamples Due | 5th Background Sample |
| MW-96R | Selenium | 4/5/2021 | <4 | 4.0 | | 50 | 4/6/2022 | NA | 10/25/2022 |
| | | | \4 | | | 30 | | | |
| 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 |
| | | | | | | | | | |

Table 7KEY:SSISSL LCL>GWPSngoing & Newly Identified SSINote: The absence of shading indicates that the condition does not exist.

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill

Permit No.64-SDP-02-75P

| | | | Each Result (ug/L) | | | | SSI | Resamples Due | 5th Background Sample |
|-----------------|------------------------------|------------|-----------------------|----------------------------|----------------|--------------|-----------------------|------------------|--------------------------|
| Monitoring Well | | Sample | | Prediction Limit (ug/L) | | GWPS | Initial Exceedance | | |
| | Compound | Date | | | 95% LCL (ug/L) | Limit (ug/L) | | | |
| 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 |

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

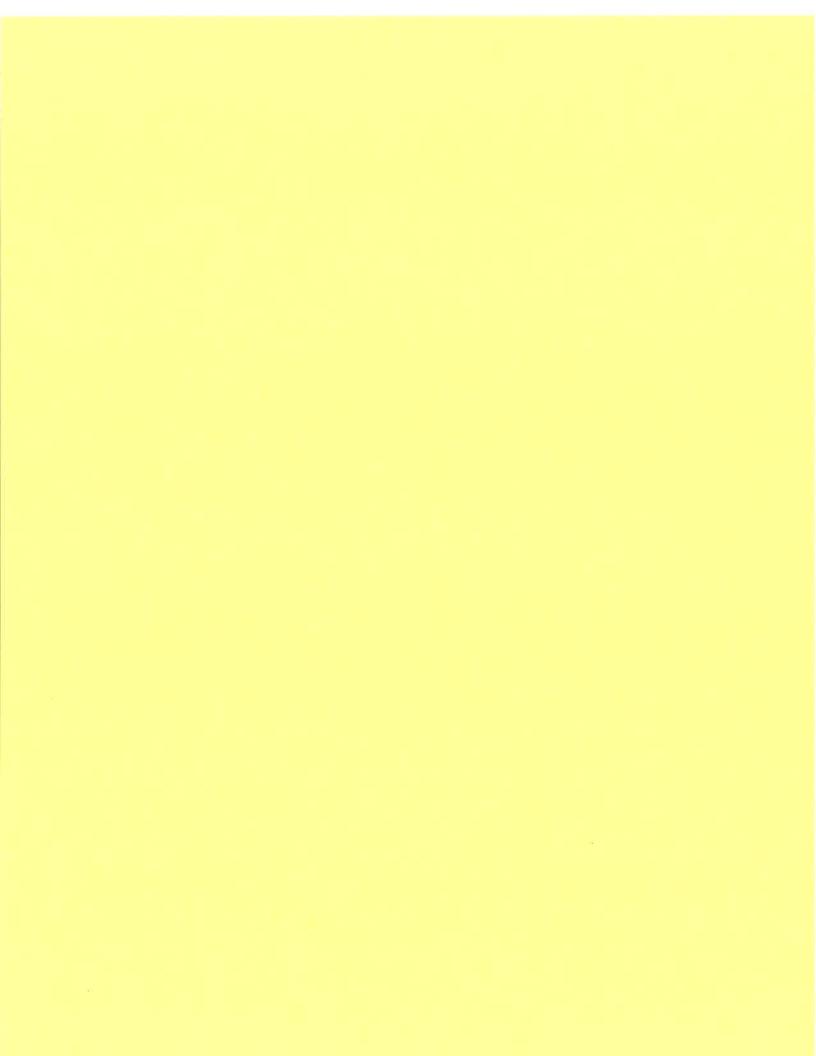


Table 7 KE

KEY: SSI SSL LCL>GWPS

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

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Marshall County Sanitary Landfill

Marshall County Sanitary Landfill Permit No.64-SDP-02-75P

| | | | | | | | SSI | | |
|-----------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

Table 7 KEY:

SSI SSL LCL>GWPS

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

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report

Marshall County Sanitary Landfill Permit No.64-SDP-02-75P

| ~~: | |
|-----|--|

| | | | 331 | | | | | | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|--|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background | |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 | |
| | | | | | | | | | | |

Table 7 KEY: SSI

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

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

SSL LCL>GWPS

| | | | | | | SSI | | | |
|------------------------|------------------------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |
| | | | | | | | | | |

 Table 7
 KEY:
 SSI
 SSL LCL>GWPS

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

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

| | | | | | | | SSI | | |
|------------------------|----------------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Prediction | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

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

KEY: SSI SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

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

| | | | | INTRAWELL | | | SSI | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Control | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

KEY: SSI SSL LCL>GWPS

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

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Marshall County Sanitary Landfill

Permit No.64-SDP-02-75P

| | | | | INTRAWELL | | | SSI | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Control | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

Table 7A KEY: SSL LCL>GWPS Note: The absence of shading indicates that the condition does not exist.

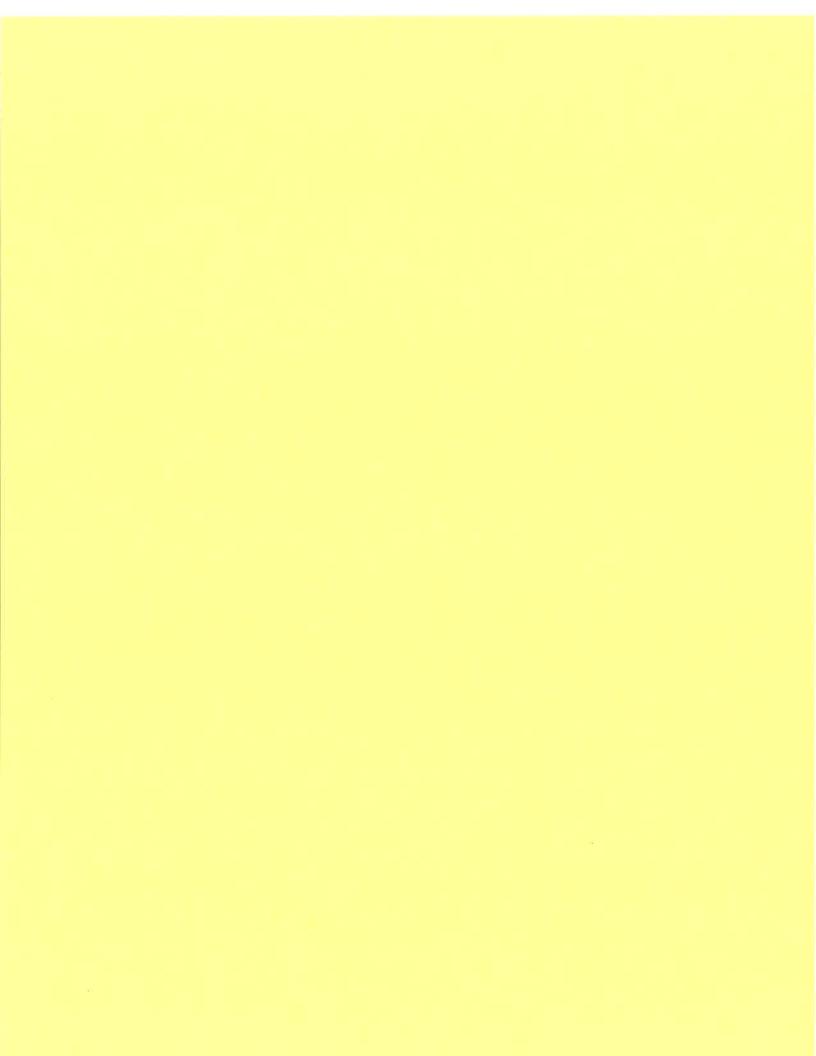
Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report Marshall County Sanitary Landfill

| | | • | | | | | |
|-----------------|-------------------------|--------|---------------|--------------|----------------|--------------|----------|
| | Permit No.64-SDP-02-75P | | | | | | |
| | | | | INTRAWELL | | | SSI |
| | | Sample | Each | Control | | GWPS | Initial |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedan |

| | | | | INTRAWELL | | | 551 | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Control | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

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



KEY:

SSI

SSL LCL>GWPS

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

Summary of Ongoing & Newly Identified SSI

| | | Sample | Each | INTRAWELL Control | | GWPS | SSI Initial | Resamples | 5th Background |
|-----------------|----------|------------|---------------|----------------------|----------------|--------------|----------------|-----------|----------------|
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

KEY:

SSI

SSL LCL>GWPS

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

Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report

| | | | | INTRAWELL | | | SSI | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Control | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

KEY:

SSI

SSL LCL>GWPS

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

Summary of Ongoing & Newly Identified SSI

| | | | | INTRAWELL | SSI | | | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Control | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

KEY:

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

SSI

SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

| | | | | INTRAWELL | | | SSI | | |
|------------------------|----------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Control | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |

Table 7A KEY: SSI SSL LCL>GWPS Note: The absence of shading indicates that the condition does not exist.

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report
Marshall County Sanitary Landfill

| | Sample | Each | Control | GWPS | Initial | Resamp |
|-------------------------------------|--------|------|-----------|------|---------|--------|
| | | | INTRAWELL | | SSI | |
| Permit No.64-SDP-02-75P | | | | | | |
| iviarshall County Sanitary Landfill | | | | | | |

| | | | | INTRAWELL | | | 221 | | |
|------------------------|------------------------------|------------|---------------|--------------|----------------|--------------|------------|-----------|----------------|
| | | Sample | Each | Control | | GWPS | Initial | Resamples | 5th Background |
| Monitoring Well | Compound | Date | Result (ug/L) | Limit (ug/L) | 95% LCL (ug/L) | Limit (ug/L) | Exceedance | Due | 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 |
| | | | | | | | | | |

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-120

| Constituents | Units | 10/13/2023 |
|---------------------------------------|-------|------------|
| 1,1,1,2-tetrachloroethane | ug/L | <1 |
| 1,1,1-trichloroethane | ug/L | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 |
| 1,1,2-trichloroethane | ug/L | <1 |
| 1,1-dichloroethane | ug/L | <1 |
| 1,1-dichloroethylene | ug/L | <1 |
| 1,2,3-trichloropropane | ug/L | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <5 |
| 1,2-dibromoethane | ug/L | <1 |
| 1,2-dichlorobenzene | ug/L | <1 |
| 1,2-dichloroethane | ug/L | <1 |
| 1,2-dichloropropane | ug/L | <1 |
| 1,4-dichlorobenzene | ug/L | <1 |
| 2-butanone (mek) | ug/L | <10 |
| 2-hexanone (mbk) | ug/L | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 |
| Acetone | ug/L | <10 |
| Acrylonitrile | ug/L | <5 |
| Alkalinity, as caco3 | mg/L | 354 |
| Antimony, total | ug/L | <2 |
| Arsenic, total | ug/L | 9.9 |
| Barium, total | ug/L | 406 |
| Benzene | ug/L | <1 |
| Beryllium, total | ug/L | <4 |
| Bromochloromethane | ug/L | <1 |
| Bromodichloromethane | ug/L | <1 |
| Bromoform | ug/L | <1 |
| Bromomethane | ug/L | <1 |
| Cadmium, total | ug/L | <.8 |
| Carbon disulfide | ug/L | <1 |
| Carbon tetrachloride | ug/L | <1 |
| Chlorobenzene | ug/L | <1 |
| Chloroethane | ug/L | <1 |
| Chloroform | ug/L | <1 |
| Chloromethane | ug/L | <1 |
| Chromium, total | ug/L | <8 |
| Cis-1,2-dichloroethylene | ug/L | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 |
| Cobalt, total | ug/L | 9.1 |
| Copper, total | ug/L | 4.1 |
| Dibromochloromethane | ug/L | <1 |
| Dibromomethane | ug/L | <1 |
| Ethylbenzene | ug/L | <1 |
| Lead, total | ug/L | <4 |
| Methyl iodide | ug/L | <1 |
| Methylene chloride | ug/L | <5 |
| Nickel, total | ug/L | 7 |
| pH | рЙ | 6.6 |
| Selenium, total | ug/L | <4 |
| Silver, total | ug/L | <4 |
| Styrene | ug/L | <1 |
| Tetrachloroethylene | ug/L | <1 |
| Thallium, total | ug/L | <2 |
| Toluene | ug/L | <1 |
| Trans-1,2-dichloroethylene | ug/L | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 |
| Trichloroethylene | ug/L | <1 |
| Trichlorofluoromethane | ug/L | <1 |
| Vanadium, total | ug/L | <20 |
| Vinyl acetate | ug/L | <5 |
| Vinyl chloride | ug/L | <1 |
| Xylenes, total | ug/L | <2 |
| Zinc, total | ug/L | 40.4 |
| · · · · · · · · · · · · · · · · · · · | | |

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

Table 9

Analytical Data Summary for MW-121

| Constituents | Units | 10/13/2023 |
|--|--------------|-------------|
| | | |
| 1,1,1,2-tetrachloroethane 1,1,1-trichloroethane | ug/L | <1 <1 |
| 1,1,2,2-tetrachloroethane | ug/L ug/L | <1 |
| 1,1,2,trichloroethane | ug/L ug/L | <1 |
| 1,1-dichloroethane | ug/L | <1 |
| 1,1-dichloroethylene | ug/L | <1 |
| 1,2,3-trichloropropane | ug/L | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <5 |
| 1,2-dibromoethane | ug/L | <1 |
| 1,2-dichlorobenzene | ug/L | <1 |
| 1,2-dichloroethane | ug/L | <1 |
| 1,2-dichloropropane | ug/L | <1 |
| 1,4-dichlorobenzene | ug/L | <1 |
| 2-butanone (mek) | ug/L | <10 |
| 2-hexanone (mbk) | ug/L | <5 |
| 4-methyl-2-pentanone (mibk) Acetone | ug/L ug/L | <5 <10 |
| Acrylonitrile | ug/L ug/L | <5 |
| Alkalinity, as caco3 | mg/L | 359 |
| Antimony, total | ug/L | <2 |
| Arsenic, total | ug/L | 9.2 |
| Barium, total | ug/L | 528 |
| Benzene | ug/L | <1 |
| Beryllium, total | ug/L | <4 |
| Bromochloromethane | ug/L | <1 |
| Bromodichloromethane | ug/L | <1 |
| Bromoform | ug/L | <1 |
| Bromomethane | ug/L | <1 |
| Cadmium, total | ug/L | 1 |
| Carbon disulfide | ug/L | <1 |
| Carbon tetrachloride Chlorobenzene | ug/L | <1 <1 |
| Chloroethane | ug/L ug/L | <1 |
| Chloroform | ug/L ug/L | <1 |
| Chloromethane | ug/L | <1 |
| Chromium, total | ug/L | - - 8 |
| Cis-1,2-dichloroethylene | ug/L | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 |
| Cobalt, total | ug/L | 9.6 |
| Copper, total | ug/L | <4 |
| Dibromochloromethane | ug/L | <1 |
| Dibromomethane | ug/L | <1 |
| Ethylbenzene | ug/L | <1 |
| Lead, total | ug/L | <4 <1 |
| Methyl iodide Methylene chloride | ug/L ug/L | <5 |
| Nickel, total | ug/L ug/L | 8.4 |
| pH | pH | 6.5 |
| Selenium, total | ug/L | <4 |
| Silver, total | ug/L | <4 |
| Styrene | ug/L | <1 |
| Tetrachloroethylene | ug/L | <1 |
| Thallium, total | ug/L | <2 |
| Toluene | ug/L | <1 |
| Trans-1,2-dichloroethylene | ug/L | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 |
| Trichloroethylene | ug/L | <1 |
| Trichlorofluoromethane | ug/L | <1 |
| Vanadium, total Vinyl acetate | ug/L ug/L | <20 <5 |
| Vinyl acetate Vinyl chloride | ug/L ug/L | <1 |
| Xylenes, total | ug/L ug/L | <2 |
| Zinc, total | ug/L | 21 |
| , | ı | |

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

Table 9

Analytical Data Summary for MW-201

| Constituents | Units | 10/17/2014 | 4/6/2015 | 4/14/2016 | 10/14/2016 | 4/10/2017 | 10/9/2017 | 4/17/2018 | 10/22/2018 |
|---|--------------|------------|----------|-----------|--------------|--------------|------------|--------------|------------|
| 1,1,1,2-tetrachloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane 1,1-dichloroethane | ug/L ug/L | | | | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,1-dichloroethylene | ug/L ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane 1.4-dichlorobenzene | ug/L | | | | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 2-butanone (mek) | ug/L ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | | | | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | | | | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Barium, total | ug/L | | | | 240 | 235 | 218 | 223 | 220 |
| Benzene | ug/L | | | | <1 <4 | <1 <4 | <1 <4 | <1 <4 | <1 <4 |
| Beryllium, total Bromochloromethane | ug/L ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | | | | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chemical oxygen demand | mg/L | 24 | 10 | <10 | | | | | |
| Chloride Chlorobenzene | mg/L ug/L | 11 | 11 | 10 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | | | | <1 | - <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | | | | <8 | <8 | <8 | <8> | <8 |
| Cis-1,2-dichloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | | | | <.8 <4 | <.8 <4 | <.8 <4 | <.8 <4 | <.8 |
| Copper, total Dibromochloromethane | ug/L ug/L | | | | <1 <1 | <1 | <1 | <4 <1 | <4 <1 |
| Dibromomethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Iron, dissolved | ug/L | <100 | <100 | <100 | | | | | |
| Lead, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | ug/L | 1 1 1 | -1.00 | ~1.00 | <4 | <4 | <4 | <4 | <4 |
| Nitrogen, ammonia Phenols. total | mg/L mg/L | 1.44 | <1.00 | <1.00 | | | | | |
| Selenium, total | ug/L | ``.' | | | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | | | | 72 | - | | [| [|
| Styrene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Toluene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Total organic halogens (tox) Trans-1,2-dichloroethylene | mg/L ug/L | <.01 | | | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | | | | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total Zinc, total | ug/L ug/L | | | | <2 <8.0 | <2 <8.0 | <2 39.6 | <2 <8.0 | <2 25.6 |
| LZIIIO, IUIAI | l ag/L | | | | ~ 0.0 | \0. 0 | 39.0 | ~ 0.0 | 20.0 |

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

Table 9

Analytical Data Summary for MW-205

| Constituents | Units | 10/17/2014 | 4/6/2015 | 4/14/2016 | 10/14/2016 | 4/10/2017 | 10/9/2017 | 4/17/2018 | 10/22/2018 |
|---|--------------|-------------|----------|-----------|--------------|------------|-------------|-------------|---------------|
| 1,1,1,2-tetrachloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | | | | 10.2 | 7.1 | 7.7 | 7.8 | 3.3 |
| 1,1-dichloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | | | | <1.0 | <1.0 | <1.0 | 1.1 <1 | <1.0 |
| 1,2-dichloroethane 1,2-dichloropropane | ug/L ug/L | | | | <1.0 | <1 2.0 | <1 <1.0 | 3.3 | <1.0 |
| 1.4-dichlorobenzene | ug/L ug/L | | | | 7.2 | 8.5 | 8.0 | 11.9 | 9.4 |
| 2-butanone (mek) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | | | | <10.0 | <10.0 | 22.2 | <10.0 | <10.0 |
| Acrylonitrile | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | | | | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | ug/L | | | | 24.9 | 23.6 | 18.2 | 22.5 | 24.7 |
| Barium, total | ug/L | | | | 1450 | 1360 | 1390 | 1160 | 1500 |
| Benzene | ug/L | 7.2 | 10.8 | 12.1 | 12.3 | 10.8 | 8.7 | 5.6 | 10.8 |
| Beryllium, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | | | | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | 62 | 53 | 39 | <1 38 | <1 49 | <1 53 | <1 39 | <1 60 |
| Chemical oxygen demand | mg/L | <10 | 32 | 27 | 30 | 49 | 53 | 39 | 60 |
| Chlorobenzene | mg/L ug/L | \ \ \ \ \ \ | 32 | 21 | 2.9 | 2.6 | 1.9 | 2.4 | <1.0 |
| Chloroethane | ug/L ug/L | | | | 7.1 | 5.0 | 3.8 | 3.4 | 3.3 |
| Chloroform | ug/L | | | | <1 | <1 | <1 | <1 | 3.3 <1 |
| Chloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | | | | <8 | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | ug/L | | | | 6.1 | 1.7 | 5.1 | 5.9 | <1.0 |
| Cis-1,3-dichloropropene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | | | | 33.9 | 37.5 | 24.2 | 30.2 | 25.0 |
| Copper, total | ug/L | | | | <4.0 | <4.0 | <4.0 | 14.4 | <4.0 |
| Dibromochloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | | | | <1.0 | <1.0 | 1.1 | <1.0 | 14.0 |
| Iron, dissolved | ug/L | 24800 | 25800 | 34100 | 30600 | 33400 | 25200 | 28200 | 30400 |
| Iron, total | ug/L | | | | 37600 | 46600 | 23500 | 42100 | 32100 |
| Lead, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | | | | <5 33.9 | <5 38.4 | <5 31.2 | <5 47.4 | <5 29.9 |
| Nickel, total Nitrogen, ammonia | ug/L mg/L | 3.20 | 3.37 | 4.13 | 5.85 | 6.83 | 7.06 | 2.90 | 29.9 7.66 |
| Nitrogen, ammonia pH | pH | 3.20 | 3.37 | 4.13 | 6.6 | 6.5 | 6.5 | 2.90 6.4 | 6.4 |
| Phenols, total | mg/L | <.1 | | | 0.0 | 0.5 | 0.5 | 0.4 | 0.4 |
| Selenium, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | | | | 321 | ' | | | . |
| Styrene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Toluene | ug/L | | | | 1.0 | 1.0 | <1.0 | <1.0 | <1.0 |
| Total organic halogens (tox) | mg/L | .239 | | | | | | | |
| Trans-1,2-dichloroethylene | ug/L | | | | <1 | <1 | <1 | 1 | <1 |
| Trans-1,3-dichloropropene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | 19.3 | 8.8 | 1.2 | 1.2 | <1.0 | <1.0 | 1.7 | <1.0 |
| Trichlorofluoromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | | | | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | | | | <5 | <5 1.0 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | | | | 1.8 <2 | 1.9 <2 | 1.2 | 1.0 | <1.0 |
| Xylenes, total Zinc, total | ug/L ug/L | | | | <8.0 | <2 <8.0 | <2 <8.0 | <2 25.3 | <2 <20.0 |
| Lano, total | uy/L | | | | \0. 0 | <u> </u> | \0.0 | 20.3 | \2 0.0 |

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

Table 9

Analytical Data Summary for MW-205

| Constituents | 4/22/2019 | 10/23/2020 | 4/5/2021 |
|--|---------------------------------------|---------------|------------|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 |
| 1,1-dichloroethane | 5.7 | 4.8 | 2.8 |
| 1,1-dichloroethylene | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <1 | <5 | <5 |
| 1,2-dibromoethane 1,2-dichlorobenzene | <1 <1.0 | <1 <1.0 | <1 <1.0 |
| 1.2-dichloroethane | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | <1.0 | <1 |
| 1,2-dichloropropane | 1.3 | <1.0 | 1.4 |
| 1,4-dichlorobenzene | <1.0 | 8.7 | 10.2 |
| 2-butanone (mek) | <5 | <5 | <5 |
| 2-hexanone (mbk) | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 |
| Acetone | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 |
| Antimony, total | <2 | <2 | <2 |
| Arsenic, total | 25.9 | 21.0 | 51.2 |
| Barium, total | 1490 11.9 | 1820 | 1650 |
| Benzene Beryllium, total | 11.9 | 13.6 <4 | 7.2 <4 |
| Bromochloromethane | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 |
| Chemical oxygen demand | 46 | 76 | |
| Chloride | | | |
| Chlorobenzene | 4.9 | 3.4 | 3.2 |
| Chloroethane | 4.3 | 3.9 | 1.9 |
| Chloroform | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 |
| Chromium, total Cis-1,2-dichloroethylene | <8 1.2 | <8 2.3 | <8 1.3 |
| Cis-1,3-dichloropropene | 1.2 <1 | 2.3 <1 | 1.3 <1 |
| Cobalt, total | 36.4 | 27.5 | 24.0 |
| Copper, total | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 |
| Ethylbenzene | 4.8 | <1.0 | <1.0 |
| Iron, dissolved | 34000 | 37300 | |
| Iron, total | 42900 | 39100 | |
| Lead, total | <4 | <4 | <4 |
| Methyl iodide | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 |
| Nickel, total | 30.8 7.61 | 32.1 21.60 | 29.4 |
| Nitrogen, ammonia | 6.6 | 6.5 | |
| Phenols, total | 0.0 | 0.5 | |
| Selenium, total | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 |
| Solids, total suspended | | . | . |
| Styrene | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 |
| Thallium, total | <2 | <2 | <2 |
| Toluene | 1.9 | <1.0 | <1.0 |
| Total organic halogens (tox) | . | . | . |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 <1.0 | <5 |
| Trichloroethylene Trichlorofluoromethane | <1.0 <1 | <1.0 <1 | <1.0 <1 |
| Vanadium, total | <20 | <20 | <20 |
| Vinyl acetate | l I | <5 | <5 |
| | <h < td=""><td></td><td></td></h <> | | |
| | <5 <1.0 | | |
| Vinyl chloride Xvlenes. total | <5 <1.0 4 | <1.0 | <1.0 |
| Xylenes, total Zinc, total | <1.0 | | |

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

Table 9

Analytical Data Summary for MW-212

| Constituents | Units | 10/17/2014 | 4/6/2015 | 4/14/2016 | 10/14/2016 | 4/10/2017 | 10/9/2017 | 4/17/2018 | 10/22/2018 |
|--|--------------|------------|----------|-----------|------------|-----------------|-----------|------------|---------------|
| 1,1,1,2-tetrachloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | | | | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,2-dibromoethane 1,2-dichlorobenzene | ug/L ug/L | | | | <1 | <1 | <1 <1 | <1 <1 | <1 |
| 1,2-dichloroethane | ug/L ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | | | | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | | | | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Barium, total | ug/L | | | | 49.4 | 46.3 | 45.8 | 49.5 | 53.8 |
| Benzene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | | | | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide Carbon tetrachloride | ug/L | | | | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Chemical oxygen demand | ug/L mg/L | 28 | 10 | <10 | ` ' | \ 1 | `1 | `' | `' |
| Chloride | mg/L | <10 | 14 | 14 | | | | | |
| Chlorobenzene | ug/L | 10 | '- | '- | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | | | | <8 | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | | | | <.8 | <.8 | <.8 | <.8 | <.8 |
| Copper, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Dibromochloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | 400 | 400 | 400 | <1 | <1 | <1 | <1 | <1 |
| Iron, dissolved | ug/L | <100 | <100 | <100 | -4 | -4 | -4 | -4 | -4 |
| Lead, total | ug/L | | | | <4 <1 | <4 <1 | <4 <1 | <4 <1 | <4 |
| Methyl iodide Methylene chloride | ug/L | | | | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <5 |
| Nickel, total | ug/L ug/L | | | | <5 <4 | <5 <4 | <5 <4 | <5 <4 | <5 <4 |
| Nitrogen, ammonia | mg/L | <1 | <1 | <1 | ~4 | ~4 | ~4 | ~4 | ~4 |
| Phenols, total | mg/L | <.1 | ` ` ' | ``' | | | | | |
| Selenium, total | ug/L | "' | | | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | | | | 103 | [| • | | .] |
| Styrene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Thallium, total Thallium, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Toluene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Total organic halogens (tox) | mg/L | <.01 | | | | | | | |
| Trans-1,2-dichloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | | | | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | | | | <2 <8.0 | <2 <8.0 | <2 9.5 | <2 <8.0 | <2 <20.0 |
| Zinc, total | ug/L | | | | <0.0 | <0. U | 9.5 | <u> </u> | \ 20.0 |

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

Table 9

Analytical Data Summary for MW-213

| Constituents | Units | 10/17/2014 | 4/6/2015 | 4/14/2016 | 10/14/2016 | 4/10/2017 | 4/17/2018 | 10/22/2018 | 4/22/2019 |
|------------------------------|-------|------------|----------|-----------|------------|-----------|-----------|------------|-----------|
| 1,1,1,2-tetrachloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | | | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-dichloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | | | | <1.0 | 1.6 | <1.0 | <1.0 | 3.8 |
| 1,4-dichlorobenzene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | | | | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | | | | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | ug/L | | | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Barium, total | ug/L | | | | 345 | 360 | 357 | 362 | 421 |
| Benzene | ug/L | | | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Beryllium, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | | | | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chemical oxygen demand | mg/L | 23 | <10 | <10 | | | | | |
| Chloride | mg/L | <10 | 19 | <10 | | | | | |
| Chlorobenzene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | | | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | | | | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Cis-1,2-dichloroethylene | ug/L | | | | 8.8 | 4.7 | 1.6 | 1.5 | 19.0 |
| Cis-1,3-dichloropropene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | | | | <.8 | <.8 | <.8 | <.8 | <.8 |
| Copper, total | ug/L | | | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Iron, dissolved | ug/L | <100 | <100 | <100 | | | | | |
| Lead, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | ug/L | | | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Nitrogen, ammonia | mg/L | <1 | <1 | <1 | | | | | |
| Phenols, total | mg/L | <.1 | | | | | | | |
| Selenium, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | | | | 150 | | . | | |
| Styrene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | | | | <4 | <4 | <4 | <4 | <2 |
| Toluene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Total organic halogens (tox) | mg/L | .011 | | | | | | | |
| Trans-1,2-dichloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | | | | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | | | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Xylenes, total | ug/L | | | | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | | | | <8 | <8> | <8 | <8> | <20 |

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

Table 9

Analytical Data Summary for MW-213

| Constituents | 10/23/2020 | 4/5/2021 | 4/6/2022 | 10/25/2022 | 4/10/2023 | 10/13/2023 | 10/15/2024 |
|---|------------|-----------|-----------|------------|-----------|------------|------------|
| 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 | <1.0 | 2.2 | 3.3 | 2.7 | 2.5 | 3.2 | 1.9 |
| 1,1-dichloroethylene | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 |
| 1,2,3-trichloropropane 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 | <5 | <1 <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoetriarie | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | 6.1 | 7.6 | 7.7 | 6.5 | 5.6 | 4.1 | 3.8 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <5 | <5 | <10 | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | | <2 |
| Arsenic, total | <4.0 | <4.0 | <4.0 | 4.7 | <4.0 | | <4.0 |
| Barium, total | 578 | 409 | 800 | 899 | 674 | | 720 |
| Benzene | <1.0 | <1.0 | <1.0 | 1.1 | 1.0 | 1.4 | <1.0 |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 | أمر | <4 |
| Bromochloromethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 |
| Bromodichloromethane Bromoform | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Bromomethane | <1 <1 | <1 | <1 | <1 | <1 <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | `' | <.8 |
| Carbon disulfide | <1 <1 | <1 | <1 <1 | <1 <1 | <1 <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chemical oxygen demand | ., | | | . ' | ., | | |
| Chloride | | | | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | 1.5 | 2.6 | 2.6 | 3.0 | 2.5 | 4.2 | 1.4 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | <8.0 | <8.0 | <8.0 | 10.8 | <8.0 | | <8.0 |
| Cis-1,2-dichloroethylene | 44.9 | 37.8 | 43.5 | 31.9 | 21.0 | 32.6 | 19.0 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | 6.9 | <.4 | .6 | 6.1 | <.4 | | <.4 |
| Copper, total | <4.0 | <4.0 | <4.0 | 9.6 | <4.0 | | <4.0 |
| Dibromochloromethane | <1 | <1 <1 | <1 <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 <1 | <1 | <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Ethylbenzene Iron, dissolved | <u> </u> | <u> </u> | ` ' | <u>``</u> | <u> </u> | <u>``</u> | <u> </u> |
| Lead, total | <4 | <4 | <4 | <4 | <4 | | <4 |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | 8.5 | <4.0 | <4.0 | 11.5 | <4.0 | .~ | <4.0 |
| Nitrogen, ammonia | 5.0 | | | | | | |
| Phenols, total | | | | | | | |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | | <4 |
| Solids, total suspended | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2 | <2 | <2 | <2 | <2 | | <2 |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total organic halogens (tox) | | | | | | | |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium. total | <1 -20 | <1 | <1 | <1 | <1 <20 | <1 | <1 |
| Vanadium, total Vinyl acetate | <20 <5 | <20 <5 | <20 <5 | <20 <5 | <20 <5 | <i></i> | <20 <5 |
| Vinyl acetate Vinyl chloride | 1.4 | 3.0 | 2.4 | 3.1 | 2.5 | <5 4.3 | 1.4 |
| Xvlenes, total | 1.4 <2 | 3.0 <2 | 2.4 <2 | 3.1 <2 | 2.5 <2 | 4.3 <2 | 1.4 <2 |
| Zinc, total | <20 | <20 | <20 | <20 | <20 | ^2 | <20 |
| zino, totai | ~20 | ~20 | ~20 | ~20] | ~20 | | ~20] |

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

Table 9

Analytical Data Summary for MW-214

| Constituents | Units | 10/17/2014 | 4/6/2015 | 4/14/2016 | 10/14/2016 | 4/10/2017 | 10/9/2017 | 4/17/2018 | 10/22/2018 |
|---|--------------|------------|----------|-----------|------------|------------|------------|------------|--------------------------|
| 1,1,1,2-tetrachloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | | | | 1.1 <1 | <1.0 | <1.0 <1 | <1.0 | <1.0 |
| 1,1-dichloroethylene 1,2,3-trichloropropane | ug/L ug/L | | | | <1 <1 | <1 <1 | <1 | <1 <1 | <1 <1 |
| 1,2,3-thernoroproparte 1,2-dibromo-3-chloropropane | ug/L ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | | | | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | ug/L ug/L | | | | <5 <2 | <5 <2 | <5 <2 | <5 <2 | <5 <2 |
| Antimony, total Arsenic, total | ug/L ug/L | | | | < <u>4</u> | < <u>4</u> | <2 <4 | < <u>4</u> | < <u>2</u> < <u>4</u> |
| Barium, total | ug/L ug/L | | | | 100.0 | 103.0 | 104.0 | 107.0 | 98.9 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | ug/L | | | '' | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | ug/L | | | | · <1 | <1 | <1 | · <1 | - <1 |
| Bromodichloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | | | | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | | 4.0 | | <1 | <1 | <1 | <1 | <1 |
| Chemical oxygen demand | mg/L | 13 | <10 | <10 | <10 | <10 | <10 | <10 | <20 |
| Chloride | mg/L | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene Chloroethane | ug/L ug/L | | | | <1 <1 | <1 <1 | <1 | <1 <1 | <1 <1 |
| Chloroform | ug/L ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | | | | - <8 | - <8 | <8 | - <8 | <8 |
| Cis-1,2-dichloroethylene | ug/L | | | | 3.0 | 2.7 | 2.8 | 3.4 | 1.4 |
| Cis-1,3-dichloropropene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | | | | <.8 | <.8 | <.8 | <.8 | <.8 |
| Copper, total | ug/L | | | | <4.0 | <4.0 | <4.0 | 5.8 | 6.0 |
| Dibromochloromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <100 | <100 | <100 | <1 <100 | <1 <100 | <1 <100 | <1 <100 | <1 <100 |
| Iron, dissolved Iron, total | ug/L ug/L | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 <100 |
| Lead, total | ug/L ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | ug/L ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Nitrogen, ammonia | mg/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| pH - | рЙ | | | | 7.4 | 7.3 | 7.2 | 7.2 | 7.1 |
| Phenols, total | mg/L | <.1 | | | | | | | |
| Selenium, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | | | | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | | | | 20 | | | ا م | |
| Styrene | ug/L | | | | <1 12.2 | <1 | <1 0 0 | <1 o e | <1 |
| Tetrachloroethylene | ug/L | | | | 12.2 | 9.9 | 8.8 <4 | 8.6 <4 | 4.1 |
| Thallium, total Toluene | ug/L ug/L | | | | <4 <1 | <4 <1 | <4 <1 | <4 <1 | <4 <1 |
| Total organic halogens (tox) | mg/L | .016 | | | `' | `' | `` | " | `' |
| Trans-1,2-dichloroethylene | ug/L | .510 | | | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | | | | <5 | - <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | 2.0 | 1.8 | 2.1 | 3.0 | 2.4 | 2.8 | 2.6 | <1.0 |
| Trichlorofluoromethane | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | | | | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | | | | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | | | | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | | | | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | | | | <8.0 | <8.0 | <8.0 | 8.8 | <8.0 |

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

Table 9

Analytical Data Summary for MW-214

| Constituents | 4/22/2019 | 10/23/2020 | 4/5/2021 |
|--|------------|------------|------------|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 |
| 1,1-dichloroethane | <1.0 | <1.0 | <1.0 |
| 1,1-dichloroethylene | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <1 | <5 | <5 |
| 1,2-dibromoethane | <1 <1 | <1 <1 | <1 <1 |
| 1,2-dichlorobenzene 1,2-dichloroethane | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 |
| 2-butanone (mek) | <5 | <5 | <5 |
| 2-hexanone (mbk) | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 |
| Acetone | <10 | <10 | <10 |
| Acrylonitrile | <5 | <5 | <5 |
| Antimony, total | <2 | <2 | <2 |
| Arsenic, total | <4 | <4 | <4 |
| Barium, total | 93.7 | 112.0 | 109.0 |
| Benzene Benzilium total | <1 <4 | <1 | <1 |
| Beryllium, total Bromochloromethane | <4 | <4 <1 | <4 <1 |
| | | <1 | I |
| Bromodichloromethane Bromoform | <1 <1 | <1 <1 | <1 <1 |
| Bromomethane | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 |
| Chemical oxygen demand | <20 | <20 | |
| Chloride | | | |
| Chlorobenzene | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 |
| Chromium, total | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | 4.1 | 6.5 | 3.3 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 |
| Cobalt, total | <.8 | <.4 | <.4 |
| Copper, total Dibromochloromethane | <4.0 <1 | <4.0 <1 | <4.0 <1 |
| Dibromomethane | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 |
| Iron, dissolved | <100 | <100 | |
| Iron, total | <100 | <100 | |
| Lead, total | <4 | <4 | <4 |
| Methyl iodide | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 |
| Nickel, total | <4 | <4 | <4 |
| Nitrogen, ammonia | <1 | <1 | |
| pH | 7.3 | 7.1 | |
| Phenols, total | . | | . |
| Selenium, total | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 |
| Solids, total suspended | | _1 | |
| Styrene Tetrachloroethylene | <1 8.5 | <1 7.8 | <1 5.4 |
| Thallium, total | 6.5 <2 | 7.6 <2 | <2 |
| Toluene | <1 | <1 | <1 |
| Total organic halogens (tox) | " | '' | - ' |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 |
| Trichloroethylene | 3.3 | 5.8 | 2.9 |
| Trichlorofluoromethane | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | <20.0 |

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

Table 9

Analytical Data Summary for MW-49

| 3.4 - | 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 |
|--|----------------------------|-------|------------|---------------|-----------|-----------|------------|-----------|-----------|----------|
| 1.1.1-16-historophame | | | | | | | | | | |
| 1.1.2.2-technolocolhane ugit c1 c1 c1 c1 c1 c1 c1 c | | | | | | | | | | |
| 1.1.2-inchlorosthane | | | | | | | | | | |
| 1.1-dichloroethyme | | | | | | | • | | | |
| 1.1-dichlorophylene 1.2-3-thichlorophylene 1.3-3-thichlorophylene | | | | | | | • | | | |
| 1.1-dichloroptopene Ug L | II ' | | - | | | | | | | |
| 12.24-Eschioropropriate ugst <1 | | |] " | *1 | 7.1 | ` ' | - 1 | '' | , , , | |
| 1.2.4-Inchlorobenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 12-dibromo-S-chloropropane ugh | 1,2,4,5-tetrachlorobenzene | | | | | | | | | |
| 1,2-dichioropheme | | | | | | | | | | |
| 1,2-dichlorobenzene | | | | | | | | | | |
| 1,2-dichioropropane ug/L 1,2-dichioropropane ug/L 1,2-dichioropropane ug/L 1,2-dichioropropane ug/L 1,3-dimitrobenzene ug/L 1,4-dichioropropane 1,4-dichioropropan | | | | | | | | | | |
| 1,2-dintorperane | | | | - | - | | - | | | |
| 1,2-dintrobenzene | II ' | | | | | | • | | | |
| 11.3-dichloropopane 1.3-dinitrobenzone 1.3-dinitrobenzone 1.3-dinitrobenzone 1.3-dinitrobenzone 1.3-dinitrobenzone 1.3-dinitrobenzone 1.4-dinitrobenzone 1.4-dinitrob | | | | | | | | | | |
| 1.3-dintohorpopane | 1,3,5-trinitrobenzene | | | | | | | | | |
| 1,3-dintrobenzene ug/L 8.7 8.6 8.9 9.2 7.8 5.8 1,4-disphtrodumone ug/L 1,4-disphtrodumone ug/L 1,4-phenylenedamine ug/L 1,4-pheny | | | | | | | | | | |
| 1,4-diphrophenzene | | | | | | | | | | |
| 1,4-phenylendiamine | | | 0.7 | 0.7 | 9.6 | ۰ ۵ | 0.2 | 7.0 | E 0 | |
| 1,4-phreylenediamine | | | 0.7 | 0.7 | 0.0 | 6.9 | 9.2 | '.0 | 5.6 | |
| 1-naphthylamime | | | | | | | | | | |
| 2,2-dichforopropane | | | | | | | | | | |
| 2,45-t | 2,2-dichloropropane | ug/L | | | | | | | | |
| 2,4-5-ty (silvex) | | | | | | | | | | |
| 2.4.5-trichlorophenol | | | | | | | | | | |
| 2,4-dirchlorophenol | | | | | | | | | | |
| 2,4-d | | | | | | | | | | |
| 2.4-dinthyphenol | | | | | | | | | | |
| 2.4-dimitrophenol | | | | | | | | | | |
| 2,4-dinitrotoluene | | ug/L | | | | | | | | |
| 2,6-dinitroluene | | | | | | | | | | |
| 2,6-Intirotoluene | | | | | | | | | | |
| 2-estylaminofluorene | | | | | | | | | | |
| 2-butanone (mek) | | | | | | | | | | |
| 2-chlorophthalene | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 2-cherophenol | | | | .0 | | | .0 | | | |
| 2-methylphenol | | | | | | | | | | |
| 2-methylphenol | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 2-naphthylamine | | | | | | | | | | |
| 2-nitrophenol | | | | | | | | | | |
| 2-nitrophenol | | | | | | | | | | |
| 3,3-dichlorobenzidine ug/L ug/L | | | | | | | | | | |
| 3,3-dimethylbenzidine | | | | | | | | | | |
| 3-nitroaniline | 3,3'-dimethylbenzidine | | | | | | | | | |
| 4,4'-ddd | | | | | | | | | | |
| 4,4'-dde | | | | | | | | | | |
| 4,4'-ddt | | | | | | | | | | |
| 4,6-dinitro-2-methylphenol | | | | | | | | | | |
| 4-aminobiphenyl | | | | | | | | | | |
| 4-bromophenyl phenyl ether ug/L | | | | | | | | | | |
| 4-chloro-3-methylphenol | 4-bromophenyl phenyl ether | ug/L | | | | | | | | |
| 4-chlorophenyl phenyl ether | 4-chloro-3-methylphenol | ug/L | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | | | | | | | | | | |
| 4-nitrofiline | | | | JF | JF | J- | 25 | | | |
| 4-nitrophenol | | | <5 | < 5 | <5 | <5 | <5 | <5 | <5 | |
| S-nitro-o-toluidine | | | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene ug/L ug/L | | ug/L | | | | | | | | |
| Acenaphthylene | | ug/L | | | | | | | | |
| Acetone | | | | | | | | | | |
| Acetonitrile | | | | | | | | | | |
| Acetophenone | | | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 20.0 | |
| Acrolein | | | | | | | | | | |
| Acrylonitrile | | | | | | | | | | |
| Aldrin | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Alkalinity, as caco3 | Aldrin | | | .0 | .0 | " | | | | |
| Allyl chloride ug/L | Alkalinity, as caco3 | mg/L | 1080 | 1130 | 994 | | 1100 | | | |
| I Alpha bha | Allyl chloride | ug/L | | | | | | | | |
| LAIPITA-DITC UG/L | Alpha-bhc | ug/L | <u> </u> | | | | | <u> </u> | | |

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

Table 9

Analytical Data Summary for MW-49

| Constituents | 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 |
|---|-----------|--------------|---|---------------|-----------|---|----------|-----------|----------|
| (3 4)-methylphenol | ., | <8 | | | | - | | | |
| 1,1,1,2-tetrachloroethane 1,1,1-trichloroethane | <1 <1 | <1 <1 | <1 <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 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | 1.4 | 1.2 | 3.4 | 2.6 | 2.6 | 2.5 | 1.4 | 1.9 | 1.0 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | -4 | <1 | | -4 | -4 | | | | -1 |
| 1,2,3-trichloropropane 1,2,4,5-tetrachlorobenzene | <1 | <1 <8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1.2.4-trichlorobenzene | | <1 | | | | | | | |
| 1,2-dibromo-3-chloropropane | <1 | <1 | <1 | <1 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,2-dichloropropane 1,2-dinitrobenzene | `' | <8 | `' | `1 | | | `' | `` | ` |
| 1,3,5-trinitrobenzene | | <8 | | | | | | | |
| 1,3-dichlorobenzene | | <1 | | | | | | | |
| 1,3-dichloropropane | | <1 | | | | | | | |
| 1,3-dinitrobenzene | | <8 | | - 4 | .4.0 | | | | |
| 1,4-dichlorobenzene 1,4-naphthoguinone | 1.8 | 2.5 <8 | 11.4 | 7.4 | <1.0 | 6.6 | 6.4 | 6.0 | 3.6 |
| 1,4-naphthoquillone | | <8 | | | | | | | |
| 1-naphthylamine | | <8 | | | | | | | |
| 2,2-dichloropropane | | <1 | | | | | | | |
| 2,3,4,6-tetrachlorophenol | | <8 | | | | | | | |
| 2,4,5-t 2,4,5-tp (silvex) | | <.5 <.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 2,4-dinitrotoluene | | <8 <8 | | | | | | | |
| 2,6-dichlorophenol | | <8 | | | | | | | |
| 2,6-dinitrotoluene | | <8 | | | | | | | |
| 2-acetylaminofluorene | | <8 | | | | | | | |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 |
| 2-chloronaphthalene 2-chlorophenol | | <8 <8 | | | | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | - | <8 | - | | | _ | _ | _ | |
| 2-methylphenol | | <8 | | | | | | | |
| 2-naphthylamine | | <8 | | | | | | | |
| 2-nitroaniline 2-nitrophenol | | <8 <8 | | | | | | | |
| 3,3'-dichlorobenzidine | | <8 | | | | | | | |
| 3,3'-dimethylbenzidine | | <8 | | | | | | | |
| 3-methylcholanthrene | | <8 | | | | | | | |
| 3-nitroaniline | | <8 | | | | | | | |
| 4,4'-ddd 4.4'-dde | | <.05 <.05 | | | | | | | |
| 4,4 -dde 4,4'-ddt | | <.05 | | | | | | | |
| 4,6-dinitro-2-methylphenol | | <8 | | | | | | | |
| 4-aminobiphenyl | | <8 | | | | | | | |
| 4-bromophenyl phenyl ether | | <8 | | | | | | | |
| 4-chloro-3-methylphenol 4-chloroaniline | | <8 <8 | | | | | | | |
| 4-chlorophenyl phenyl ether | | <8 | | | | | | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | <8 | | | | | | | |
| 4-nitrophenol | | <8 | | | | | | | |
| 5-nitro-o-toluidine 7,12-dimethylbenz(a)anthracene | | <8 <8 | | | | | | | |
| Acenaphthene | | <8 <8 | | | | | | | |
| Acenaphthylene | | <8 | | | | | | | |
| Acetone | 76.0 | 36.8 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 24.1 |
| Acetonitrile | | <10 | | | | | | | |
| Acetophenone | | <8 | | | | | | | |
| Acrolein Acrylonitrile | <5 | <10 <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Adrin | \3 | <.05 | \ | \oldot | \5 | \ | \^3 | `` | \ |
| Alkalinity, as caco3 | | | | | | 1010 | 960 | | 844 |
| Allyl chloride | | <1 | | | | | | | |
| Alpha-bhc | | <.05 | | | | | | | |

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

Table 9

Analytical Data Summary for MW-49

| Constituents | 10/25/2022 | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|--|------------|-----------|------------|-----------|------------|
| (3 4)-methylphenol | | | | | |
| 1,1,1,2-tetrachloroethane | <1 <1 | <1 <1 | <1 <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 | 1.7 | 1.4 | 1.6 | 1.1 | 1.2 |
| 1,1-dichloroethylene 1,1-dichloropropene | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | | |
| 1,2,4-trichlorobenzene | -E | -E | -E | -E | , E |
| 1,2-dibromo-3-chloropropane | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | | | | |
| 1,3-dichlorobenzene | | | | | |
| 1,3-dichloropropane | | | | | |
| 1,3-dinitrobenzene | 6.3 | 7.4 | 6.1 | 2.2 | 7.9 |
| 1,4-dictioroperizerie | 0.5 | 7.4 | 0.1 | 3.3 | 7.9 |
| 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-dichlorophenol | | | | | |
| 2,4-dimethylphenol | | | | | |
| 2,4-dinitrophenol | | | | | |
| 2,4-dinitrotoluene 2,6-dichlorophenol | | | | | |
| 2,6-dinitrotoluene | | | | | |
| 2-acetylaminofluorene | | | | | |
| 2-butanone (mek) 2-chloronaphthalene | <10 | <10 | <10 | <10 | <10 |
| 2-chlorophenol | | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | | |
| 2-methylphenol 2-naphthylamine | | | | | |
| 2-nitroaniline | | | | | |
| 2-nitrophenol | | | | | |
| 3,3'-dichlorobenzidine | | | | | |
| 3,3'-dimethylbenzidine 3-methylcholanthrene | | | | | |
| 3-nitroaniline | | | | | |
| 4,4´-ddd | | | | | |
| 4,4´-dde 4,4´-ddt | | | | | |
| 4,4 -aat 4,6-dinitro-2-methylphenol | | | | | |
| 4-aminobiphenyl | | | | | |
| 4-bromophenyl phenyl ether | | | | | |
| 4-chloro-3-methylphenol 4-chloroaniline | | | | | |
| 4-chlorophenyl phenyl ether | | | | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | | |
| 4-nitrophenol 5-nitro-o-toluidine | | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | | |
| Acenaphthene | | | | | |
| Acetana | -10.0 | -10 O | -10.0 | -10.0 | -10.0 |
| Acetone Acetonitrile | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetophenone | | | | | |
| Acrolein | | | | | |
| Acrylonitrile Aldrin | <5 | <5 | <5 | <5 | <5 |
| Aldrin Alkalinity, as caco3 | | 816 | | 652 | 1170 |
| Allyl chloride | | 3.0 | | 332 | |
| Alpha-bhc | | | | | |
| | | | | | |

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

Table 9

Analytical Data Summary for MW-49

| | 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 |
|---|--------------|------------|----------|-----------|-----------|------------|-----------|-----------|----------|
| Anthracene | ug/L | | | | | | | | |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| Arochlor 1016 | ug/L | | | | | | | | |
| Arochlor 1221 Arochlor 1232 | ug/L ug/L | | | | | | | | |
| Arochlor 1242 | ug/L ug/L | | | | | | | | |
| Arochlor 1248 | ug/L | | | | | | | | |
| Arochlor 1254 | ug/L | | | | | | | | |
| Arochlor 1260 | ug/L | | | | | | | | |
| Arsenic, total | ug/L | 42.7 | 82.1 | 41.6 | 125.0 | 118.0 | 134.0 | 10.4 | |
| Azobenzene | ug/L | | | | | | | | |
| Barium, total | ug/L | 544 | 544 | 571 | 516 | 747 | 457 | 695 | 623 |
| Benzene | ug/L | 2.9 | 2.3 | 1.9 | 2.6 | 3.5 | 3.0 | 1.2 | |
| Benzo(a)anthracene Benzo(a)pyrene | ug/L ug/L | | | | | | | | |
| Benzo(b)fluoranthene | ug/L ug/L | | | | | | | | |
| Benzo(g,h,i)perylene | ug/L | | | | | | | | |
| Benzo(k)fluoranthene | ug/L | | | | | | | | |
| Benzyl alcohol | ug/L | | | | | | | | |
| Beryllium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | |
| Beta-bhc | ug/L | | | | | | | | |
| Bis (2-chloroethoxy) methane | ug/L | | | | | | | | |
| Bis(2-chloroethyl) ether | ug/L | | | | | | | | |
| Bis(2-chloroisopropyl) ether Bis(2-ethylhexyl) phthalate | ug/L | -10 | 65 | -10 | -10 | -10 | <10 | | |
| Bromochloromethane | ug/L ug/L | <10 <1 | 65 <1 | <10 <1 | <10 <1 | <10 <1 | <10 <1 | <1 | |
| Bromodichloromethane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromoform | ug/L | <1 | · <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Butyl benzyl phthalate | ug/L | | | | | | | | |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | |
| Calcium, total | mg/L | 234 | 264 | 233 | | 265 | | | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlordane Chloride | ug/L mg/L | 14 | 29 | 27 | | 37 | | | |
| Chlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| Chlorobenzilate | ug/L | 11.0 | 1.0 | 11.0 | -1.0 | 11.0 | 11.0 | 1.0 | |
| Chloroethane | ug/L | 12.9 | 8.9 | 8.7 | 9.0 | 11.9 | 10.1 | 8.7 | |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chloroprene | ug/L | | | | | | | | |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | <8 | <8 | |
| Chrysene Cis-1,2-dichloroethylene | ug/L ug/L | 23.1 | 13.6 | 11.2 | 13.8 | 13.8 | 10.3 | 16.9 | |
| Cis-1,3-dichloropropene | ug/L ug/L | 23.1 <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 | |
| Copper, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | |
| Cyanide, total | mg/L | | | | | | | | |
| Delta-bhc | ug/L | | | | | | | | |
| Diallate | ug/L | | | | | | | | |
| Dibenzo(a,h)anthracene | ug/L | | | | | | | | |
| Dibenzofuran | ug/L | -1 | -1 | -1 | -1 | -1 | _1 | -1 | |
| Dibromochloromethane | ug/L | <1 | <1 -1 | <1 | <1 | <1 <1 | <1 | <1 <1 | |
| Dibromomethane Dichlorodifluoromethane | ug/L ug/L | <1 | ~1 | ` ' ' | `1 | ` ' | <1 | | |
| Dieldrin | ug/L | | | | | | | | |
| Diethyl phthalate | ug/L | | | | | | | | |
| Dimethoate | ug/L | | | | | | | | |
| Dimethylphthalate | ug/L | | | | | | | | |
| Di-n-butyl phthalate | ug/L | | | | | | | | |
| Di-n-octyl phthalate | ug/L | | | | | | | | |
| Dinoseb | ug/L | | | | | | | | |
| Diphenylamine Disulfoton | ug/L ug/L | | | | | | | | |
| Endosulfan i | ug/L ug/L | | | | | | | | |
| Endosulfan ii | ug/L ug/L | | | | | | | | |
| Endosulfan sulfate | ug/L | | | | | | | | |
| Endrin | ug/L | | | | | | | | |
| Endrin aldehyde | ug/L | | | | | | | | |
| Ethane | ug/L | | | | | | | | |
| Ethene | ug/L | | | | | | | | |
| Ethyl methacrylate | ug/L | | | | | | | | |
| Ethyl methanesulfonate | ug/L | ا تعد | | الدر | ا مر | ا مد . | ا مر | | |
| Ethylbenzene Famphur | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| | ∣uy/∟ | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-49

| Azobenzene | 5.0 4 ⁻ 26 2 | 41.5 237 2.4 |
|--|----------------------------|--------------------|
| Arochlor 1016 | 5.0 4 ⁻ 26 2 | 41.5 |
| Arochlor 1221 | 26 2 | 237 |
| Arochlor 1232 | 26 2 | 237 |
| Arochlor 1242 | 26 2 | 237 |
| Arochlor 1248 | 26 2 | 237 |
| Arochlor 1254 | 26 2 | 237 |
| Arsenic, total | 26 2 | 237 |
| Azobenzene | 26 2 | 237 |
| Barium, total 304 283 409 380 390 479 562 58 Benzene | | |
| Benzerie | | |
| Benzo(a)anthracene | .9 . | ۷.۰ |
| Benzo(a)pyrene | | |
| Benzo(b)fluoranthene | | |
| Benzo(g,h,i)perylene | | |
| Benzo(k)fluoranthene | | |
| Beryllium, total <4 <4 <4 <4 <4 <4 <4 < | | |
| Betá-bhc < .05 Bis (2-chloroethoxy) methane < 8 | 1 | |
| Bis (2-chloroethoxy) methane | <4 | <4 |
| | | |
| Pig/2 ablarcethyl) ather | | |
| Bis(2-chloroethyl) ether <8 | | |
| Bis(2-ethloroisopropyr) ether | | |
| Bromochloromethane | <1 | < |
| Bromodichloromethane | | < |
| Bromoform <1 <1 <1 <1 <1 <1 | <1 | < |
| Bromomethane <1 <1 <1 <1 <1 <1 | <1 | < |
| Butyl benzyl phthalate <8 | | |
| | <.8 · | <.8 |
| Calcium, total | | |
| Carbon disulfide <1 <1 <1 <1 <1 <1 <1 < | | < |
| Carbon tetrachloride <1 <1 <1 <1 <1 <1 <1 < | ` | < |
| Chloride | | |
| | 1.0 | <1.0 |
| Chlorobenzilate <8 | | |
| Chloroethane 5.5 11.0 8.2 10.2 9.4 9.8 6.8 | 7.3 | 5.6 |
| Chloroform <1 <1 <1 <1 <1 <1 | | < |
| Chloromethane | <1 | < |
| Chloroprene <1 | .0 | |
| Chromium, total <8 <8 <8 <8 <8 <8 <8 < | <8 | <{ |
| | 2.0 | <1.0 |
| Cis-1,3-dichloropropene | | < |
| | | 63.3 |
| | | <4.(|
| Cyanide, total | | |
| Delta-bhc | | |
| Diallate | | |
| Dibenzo(a,h)anthracene <8 Dibenzofuso | | |
| Dibenzofuran | <1 | < |
| Dibromoethane | | < |
| Dichlorodifluoromethane | | • |
| Dieldrin <.05 | | |
| Diethyl phthalate <8 | | |
| Dimethoate <.4 | | |
| Dimethylphthalate <8 | | |
| Di-n-butyl phthalate | | |
| Di-n-octyl phthalate <8 | | |
| Dinoseb <.5 | | |
| Diphenylamine | | |
| Endosulfan i | | |
| Endosulfan ii | | |
| Endosulfan sulfate < .05 | | |
| Endrin <.05 | | |
| Endrin aldehyde <.05 | | |
| Ethane < | | |
| Ethene <10 <13 | | |
| Ethyl methacrylate | | |
| Ethyl methanesulfonate <8 | _1 | |
| Ethylbenzene | <1 | < |
| Famphur | | |

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

Table 9

Analytical Data Summary for MW-49

| Constituents | 10/25/2022 | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|---|-----------------------|------------|------------|------------|------------|
| Anthracene | <2 | <2 | <2 | <2 | <2 |
| Antimony, total Arochlor 1016 | ^2 | ^2 | ~2 | \ 2 | ^2 |
| Arochlor 1221 | | | | | |
| Arochlor 1232 | | | | | |
| Arochlor 1242 | | | | | |
| Arochlor 1248 Arochlor 1254 | | | | | |
| Arochlor 1260 | | | | | |
| Arsenic, total | 135.0 | 278.0 | 44.5 | 53.7 | 520.0 |
| Azobenzene | | | | | |
| Barium, total | 473 | 275 | 499 | 429 | 213 |
| Benzene Benzo(a)anthracene | 2.4 | 2.9 | 1.1 | <1.0 | 3.7 |
| Benzo(a)pyrene | | | | | |
| Benzo(b)fluoranthene | | | | | |
| Benzo(g,h,i)perylene | | | | | |
| Benzo(k)fluoranthene | | | | | |
| Benzyl alcohol Beryllium, total | <4 | <4 | <4 | <4 | <4 |
| Beta-bhc | `~ | `~ | ~~ | `~ | `~ |
| Bis (2-chloroethoxy) methane | | | | | |
| Bis(2-chloroethyl) ether | | | | | |
| Bis(2-chloroisopropyl) ether | | | | | |
| Bis(2-ethylhexyl) phthalate Bromochloromethane | <1 | <1 | <1 | <1 | <1 |
| Bromocnioromethane | <1 <1 | <1 <1 | <1 | <1 <1 | <1 <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | | |
| Cadmium, total | <.8 | <.8 | <.8 | .9 | <.8 |
| Calcium, total Carbon disulfide | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 |
| Chlordane | | | | | |
| Chloride | | | | | |
| Chlorobenzene | 1.1 | <1.0 | 1.0 | <1.0 | 1.1 |
| Chlorobenzilate Chloroethane | 7.4 | 6.6 | 6.6 | 4.6 | 5.5 |
| Chloroform | 7. 4 <1 | 6.6 <1 | 0.0 <1 | 4.0 <1 | 5.5 <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | | | | | |
| Chromium, total | <8 | <8 | <8 | <8 | <8 |
| Chrysene | 1.6 | -10 | 2.4 | 2.4 | -10 |
| Cis-1,2-dichloroethylene Cis-1,3-dichloropropene | 1.6 <1 | <1.0 <1 | 2.1 <1 | 2.4 <1 | <1.0 <1 |
| Cobalt, total | 30.0 | 65.5 | 16.2 | 5.8 | 66.9 |
| Copper, total | <4.0 | <4.0 | <4.0 | 7.5 | <4.0 |
| Cyanide, total | | | | | |
| Delta-bhc Diallate | | | | | |
| Dialiate Dibenzo(a,h)anthracene | | | | | |
| Dibenzofuran | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | | | |
| Dieldrin Diethyl phthalate | | | | | |
| Dimethoate | | | | | |
| Dimethylphthalate | | | | | |
| Di-n-butyl phthalate | | | | | |
| Di-n-octyl phthalate | | | | | |
| Dinoseb | | | | | |
| Diphenylamine Disulfoton | | | | | |
| Endosulfan i | | | | | |
| Endosulfan ii | | | | | |
| Endosulfan sulfate | | | | | |
| Endrin | | | | | |
| Endrin aldehyde Ethane | | | | | <5 |
| Etnane Ethene | | | | | <5 <5 |
| Ethyl methacrylate | | | | | -5 |
| Ethyl methanesulfonate | | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 |
| Famphur | | | | | |
| Fluoranthene | | | | | |

^{* -} 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 |
|---|--------------|------------|----------|-----------|-----------|------------|-----------|-----------|----------|
| Fluorene | ug/L | | | | | | | | |
| Gamma-bhc (lindane) | ug/L | | | | | | | | |
| Heptachlor | ug/L | | | | | | | | |
| Heptachlor epoxide Hexachlorobenzene | ug/L | | | | | | | | |
| Hexachlorobutadiene | ug/L ug/L | | | | | | | | |
| Hexachlorocyclopentadiene | ug/L ug/L | | | | | | | | |
| Hexachloroethane | ug/L | | | | | | | | |
| Hexachloropropene | ug/L | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/L | | | | | | | | |
| Isobutanol | mg/L | | | | | | | | |
| Isodrin | ug/L | | | | | | | | |
| Isophorone | ug/L | | | | | | | | |
| Isosafrole Kepone | ug/L ug/L | | | | | | | | |
| Lead, total | ug/L ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | |
| Magnesium, total | mg/L | 104 | 112 | 106 | | 115 | " | | |
| Mercury, total | ug/L | | | | | | | | |
| Methacrylonitrile | ug/L | | | | | | | | |
| Methane | ug/L | | | | | | | | |
| Methapyrilene | ug/L | | | | | | | | |
| Methoxychlor | ug/L | | | . 4. 1 | | | | | |
| Methyl methografic | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl methacrylate Methyl methanesulfonate | ug/L ug/L | | | | | | | | |
| Methyl methanesulfonate Methyl parathion | ug/L ug/L | | | | | | | | |
| Methylene chloride | ug/L ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | ug/L | | .0 | | ,,, | | | | |
| Nickel, total | ug/L | 18.8 | 24.0 | 11.3 | 31.8 | 15.4 | 27.5 | 5.1 | |
| Nitrobenzene | ug/L | | | | | | | | |
| Nitrogen, ammonia | mg/L | <1 | <1 | <1 | | <1 | | | |
| N-nitrosodiethylamine | ug/L | | | | | | | | |
| N-nitrosodimethylamine | ug/L | | | | | | | | |
| N-nitrosodi-n-butylamine | ug/L | | | | | | | | |
| N-nitroso-di-n-propylamine N-nitrosodiphenylamine | ug/L ug/L | | | | | | | | |
| N-nitrosomethylethylamine | ug/L ug/L | | | | | | | | |
| N-nitrosopiperidine | ug/L | | | | | | | | |
| N-nitrosopyrrolidine | ug/L | | | | | | | | |
| O,o,o-triethyl phosphorothioate | ug/L | | | | | | | | |
| O-toluidine | ug/L | | | | | | | | |
| Parathion | ug/L | | | | | | | | |
| P-dimethylaminoazobenzene | ug/L | | | | | | | | |
| Pentachlorobenzene | ug/L | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | ug/L ug/L | | | | | | | | |
| Pentachlorophenol pH | pH | | | | | | | | |
| Phenacetin | ug/L | | | | | | | | |
| Phenanthrene | ug/L | | | | | | | | |
| Phenol | ug/L | | | | | | | | |
| Phorate | ug/L | | | | | | | | |
| Potassium, total | mg/L | <1 | <1 | 1 | | 1 | | | |
| Pronamide | ug/L | | | | | | | | |
| Propionitrile | ug/L | | | | | | | | |
| Pyrene Safrole | ug/L | | | | | | | | |
| Sarrole Selenium, total | ug/L ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | |
| Silver, total | ug/L ug/L | <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 | |
| Sulfate | mg/L | 8.4 | 3.0 | 6.3 | | 5.2 | | | |
| Sulfide, total | mg/L | | | | | | | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Thallium, total Thionazin | ug/L | <4 | <4 | <1 | <4 | <4 | <4 | <4 | |
| Tinonazin Tin, total | ug/L ug/L | | | | | | | | |
| Toluene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toxaphene | ug/L | ``' | *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 | |

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

Table 9

Analytical Data Summary for MW-49

| Fluorene | <4 <1 <5 28.1 |
|--|------------------------|
| Heptachlor Heptachlor epoxide Heptachlor epoxide Hexachlorobutadiene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachloropene He | <1 <5 |
| Heptachlor epoxide | <1 <5 |
| Hexachlorobenzene | <1 <5 |
| Hexachlorobutadiene | <1 <5 |
| Hexachlorocyclopentadiene | <1 <5 |
| Hexachloroethane | <1 <5 |
| Indeno(1,2,3-cd)pyrene | <1 <5 |
| Isobutanol Isodrin | <1 <5 |
| Isodrin Isophorone | <1 <5 |
| Isophorone | <1 <5 |
| Isosafrole Kepone Kepone | <1 <5 |
| Kepone | <1 <5 |
| Lead, total | <1 <5 |
| Mercury, total | <5 |
| Methacrylonitrile Methacrylonitrile Methacrylonitrile Methacrylonitrile Methacrylone Methacrylone Methacychlor Methyl iodide Methyl methacrylate Methyl methacrylate Methyl methacrylate Methyl parathion Methylene chloride Methylene ch | <5 |
| Methané 48 737 9660 Methapyrilene <8 | <5 |
| Methapyrilene <8 | <5 |
| Methoxychlor | <5 |
| Methyl iodide | <5 |
| Methyl methacrylate | <5 |
| Methyl methanesulfonate | |
| Methyl parathion | |
| Naphthalene | |
| Nickel, total | 28.1 |
| Nitrobenzene <8 Nitrogen, ammonia | 28.1 |
| Nitrogen, ammonia | |
| | I |
| | |
| 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 | |
| N-nitrosopyrrolidine <8 | |
| O-toluidine | |
| Parathion <.4 | |
| P-dimethylaminoazobenzene <8 | |
| Pentachlorobenzene <8 | |
| Pentachloronitrobenzene (pcnb) <8 | |
| Pentachlorophenol <8 | 0.5 |
| pH | 6.5 |
| Phenathrene <8 | |
| Phenol <8 | |
| Phorate | |
| Potassium, total | |
| Pronamide <8 | |
| Propionitrile <10 | |
| Pyrene <8 | |
| Salrole | <4 |
| Silver, total | <4 |
| Sodium, total | |
| Solids, total dissolved | |
| Solids, total suspended | |
| Styrene | <1 |
| Sulfate Sulfide, total S.1 | |
| Sulfide, total | <1 |
| Thallium, total | <2 |
| Thionazin <-4 | |
| Tin, total | |
| Toluene | <1 |
| Toxaphene <.2 | |
| Trans-1,2-dichloroethylene | <1 |
| Trans-1,3-dichloropropene | <1 |
| Trans-1,4-dichloro-2-butene <5 <5 <5 <5 <5 <5 <5 < | <5 <1 |
| Trichloroethylene | <1 <1 |
| Vanadium, total | <20 |
| Vinyl acetate <5 <5 <5 <5 <5 <5 | <5 |

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

Table 9

Analytical Data Summary for MW-49

| Constituents | 10/25/2022 | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|--|------------|-----------|------------|------------|------------|
| Fluorene | | | | | |
| Gamma-bhc (lindane) Heptachlor | | | | | |
| Heptachlor epoxide | | | | | |
| Hexachlorobenzene | | | | | |
| Hexachlorobutadiene | | | | | |
| Hexachlorocyclopentadiene | | | | | |
| Hexachloroethane Hexachloropropene | | | | | |
| Indeno(1,2,3-cd)pyrene | | | | | |
| Isobutanol | | | | | |
| Isodrin | | | | | |
| Isophorone | | | | | |
| Isosafrole Kepone | | | | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | | | | | |
| Mercury, total | | | | | |
| Methacrylonitrile | | | | | 4770 |
| Methane Methapyrilene | | | | | 4770 |
| Methoxychlor | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | | | | | |
| Methyl methanesulfonate | | | | | |
| Methyl parathion Methylene chloride | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | ~5 | \0 | \5 | \0 | _5 |
| Nickel, total | 13.9 | 27.5 | 10.0 | 16.2 | 33.9 |
| Nitrobenzene | | | | | |
| Nitrogen, ammonia | | | | | |
| N-nitrosodiethylamine N-nitrosodimethylamine | | | | | |
| N-nitrosodi-n-butylamine | | | | | |
| N-nitroso-di-n-propylamine | | | | | |
| N-nitrosodiphenylamine | | | | | |
| N-nitrosomethylethylamine | | | | | |
| N-nitrosopiperidine | | | | | |
| N-nitrosopyrrolidine O,o,o-triethyl phosphorothioate | | | | | |
| O-toluidine | | | | | |
| Parathion | | | | | |
| P-dimethylaminoazobenzene | | | | | |
| Pentachlorobenzene | | | | | |
| Pentachloronitrobenzene (pcnb) Pentachlorophenol | | | | | |
| pH | | 6.5 | | 6.5 | 6.3 |
| Phenacetin | | | | | - |
| Phenanthrene | | | | | |
| Phenol | | | | | |
| Phorate Potassium, total | | | | | |
| Pronamide | | | | | |
| Propionitrile | | | | | |
| Pyrene | | | | | |
| Safrole | - | | _ | | _ |
| Selenium, total | <4 <4 | <4 <4 | <4 <4 | <4 <4 | <4 |
| Silver, total Sodium, total | <4 | <4 | <4 | <4 | <4 |
| Solidin, total | | | | | |
| Solids, total suspended | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 |
| Sulfate | | | | | |
| Sulfide, total Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2 | <2 | <2 | <2 | <2 |
| Thionazin | _ | _ | _ | _ | _ |
| Tin, total | | | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene Trans-1,3-dichloropropene | <1 | <1 <1 | <1 | <1 <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 <5 | <20 <5 | <20 <5 | <20 <5 | <20 <5 |
| Vinyl acetate | <5 | <u> </u> | <5 | \ 5 | <5 |

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

Table 9

| 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 |
|----------------|-------|------------|----------|-----------|-----------|------------|-----------|-----------|----------|
| Vinyl chloride | ug/L | 4.6 | 3.1 | 3.1 | 4.0 | 5.1 | 5.5 | 3.2 | |
| 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 | <8.0 | |

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

Table 9

| Constituents | 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 |
|----------------|-----------|------------|-----------|------------|-----------|------------|----------|-----------|----------|
| Vinyl chloride | 1.1 | 2.6 | 2.8 | 1.4 | 1.1 | 2.4 | <1.0 | <1.0 | <1.0 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <8.0 | <8.0 | <20.0 | 39.6 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |

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

Table 9

| Constituents | 10/25/2022 | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|----------------|------------|-----------|------------|-----------|------------|
| Vinyl chloride | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | <20.0 | 22.7 | <20.0 |

^{* -} 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 |
|---|-------------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|
| (3 4)-methylphenol | ug/L | | | | | | | | |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 17.5 | <1 12.4 | <1 12.2 | <1 | <1 | <1 | <1 | <1 7.8 |
| 1,1-dichloroethylene | ug/L ug/L | 17.5 <1 | 13.4 <1 | 12.2 <1 | 11.0 <1 | 13.0 | 10.4 | 11.2 | 7.0 <1 |
| 1,1-dichloropropene | ug/L ug/L | ` ' | ~1 | `' | | `' | `` | | `' |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | ug/L | | • | | · | · | | | . |
| 1,2,4-trichlorobenzene | ug/L | | | | | | | | |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane 1,2-dinitrobenzene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-trinitrobenzene | ug/L ug/L | | | | | | | | |
| 1,3-dichlorobenzene | ug/L | | | | | | | | |
| 1,3-dichloropropane | ug/L | | | | | | | | |
| 1,3-dinitrobenzene | ug/L | | | | | | | | |
| 1,4-dichlorobenzene | ug/L | 2.3 | 2.1 | 2.3 | 2.1 | 2.3 | 2.7 | 3.5 | 4.3 |
| 1,4-naphthoquinone | ug/L | | | | | | | | |
| 1,4-phenylenediamine | ug/L | | | | | | | | |
| 1-naphthylamine | ug/L | | | | | | | | |
| 2,2-dichloropropane | ug/L | | | | | | | | |
| 2,3,4,6-tetrachlorophenol | ug/L | | | | | | | | |
| 2,4,5-t 2,4,5-tp (silvex) | ug/L ug/L | | | | | | | | |
| 2,4,5-trichlorophenol | ug/L ug/L | | | | | | | | |
| 2,4,6-trichlorophenol | ug/L | | | | | | | | |
| 2,4-d | ug/L | | | | | | | | |
| 2,4-dichlorophenol | ug/L | | | | | | | | |
| 2,4-dimethylphenol | ug/L | | | | | | | | |
| 2,4-dinitrophenol | ug/L | | | | | | | | |
| 2,4-dinitrotoluene | ug/L | | | | | | | | |
| 2,6-dichlorophenol | ug/L | | | | | | | | |
| 2,6-dinitrotoluene | ug/L | | | | | | | | |
| 2-acetylaminofluorene 2-butanone (mek) | ug/L ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-chloronaphthalene | ug/L ug/L | \3 | /5 | \3 | \3 | | | | \3 |
| 2-chlorophenol | ug/L | | | | | | | | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | ug/L | | | | | | | | |
| 2-methylphenol | ug/L | | | | | | | | |
| 2-naphthylamine | ug/L | | | | | | | | |
| 2-nitroaniline | ug/L | | | | | | | | |
| 2-nitrophenol | ug/L | | | | | | | | |
| 3,3'-dichlorobenzidine | ug/L | | | | | | | | |
| 3,3'-dimethylbenzidine 3-methylcholanthrene | ug/L ug/L | | | | | | | | |
| 3-nitroaniline | ug/L ug/L | | | | | | | | |
| 4,4´-ddd | ug/L | | | | | | | | |
| 4,4´-dde | ug/L | | | | | | | | |
| 4,4'-ddt | ug/L | | | | | | | | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | | | | | |
| 4-aminobiphenyl | ug/L | | | | | | | | |
| 4-bromophenyl phenyl ether | ug/L | | | | | | | | |
| 4-chloro-3-methylphenol | ug/L | | | | | | | | |
| 4-chloroaniline | ug/L | | | | | | | | |
| 4-chlorophenyl phenyl ether 4-methyl-2-pentanone (mibk) | ug/L ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | ug/L ug/L | \3 | /5 | \3 | \3 | | | | \3 |
| 4-nitrophenol | ug/L | | | | | | | | |
| 5-nitro-o-toluidine | ug/L | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | | | | | |
| Acenaphthene | ug/L | | | | | | | | |
| Acenaphthylene | ug/L | | | | | | | | |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 18.1 | <10.0 |
| Acetonitrile | ug/L | | | | | | | | |
| Acetophenone | ug/L | | | | | | | | |
| Acrolein | ug/L | | J- | JF | JF | | | | |
| Acrylonitrile Aldrin | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin Alkalinity, as caco3 | ug/L mg/L | 911 | 913 | 704 | | 700 | | | |
| Allyl chloride | ug/L | 311 | 313 | 704 | | '00 | | | |
| Alpha-bhc | ug/L | | | | | | | | |
| 1 | , g. - | 1 | | | | 1 | | 1 | |

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

Table 9

Analytical Data Summary for MW-54

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|--|------------|-----------|------------|-----------|------------|----------|-----------|----------|------------|
| (3 4)-methylphenol | <8 | | | | | | | | |
| 1,1,1,2-tetrachloroethane | <1 <1 | <1 <1 | <1 <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 |
| 1,1,2,2-tetracilioroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1.1-dichloroethane | 3.8 | 4.7 | 2.9 | <1.0 | 1.9 | <1.0 | 1.2 | <1.0 | 1.1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | <1 | | | | | | | | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | <8 | | | | | | | | |
| 1,2,4-trichlorobenzene | <1 <1 | <1 | <1 | <5 | <5 | <5 | <5 | <5 | |
| 1,2-dibromo-3-chloropropane | <1 <1 | <1 <1 | <1 | <5 <1 | <5 <1 | <1 | <1 | <1 | <5 <1 |
| 1.2-dibromoetriane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | · <1 | - <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | <8 | | | | | | | | |
| 1,3,5-trinitrobenzene | <8 | | | | | | | | |
| 1,3-dichlorobenzene | <1 <1 | | | | | | | | |
| 1,3-dichloropropane 1,3-dinitrobenzene | <8 | | | | | | | | |
| 1,4-dichlorobenzene | <1.0 | 2.5 | 3.5 | <1.0 | 3.8 | 2.9 | 2.8 | 2.4 | 3.1 |
| 1,4-naphthoquinone | <8 | 2.3 | 0.0 | 1.0 | 0.0 | | | | |
| 1,4-phenylenediamine | <8 | | | | | | | | |
| 1-naphthylamine | <8 | | | | | | | | |
| 2,2-dichloropropane | <1 | | | | | | | | |
| 2,3,4,6-tetrachlorophenol | <8 | | | | | | | | |
| 2,4,5-t 2,4,5-tp (silvex) | <.5 <.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 2,6-dichlorophenol | <8 <8 | | | | | | | | |
| 2,6-dinitrotoluene | <8 | | | | | | | | |
| 2-acetylaminofluorene | <8 | | | | | | | | |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 |
| 2-chloronaphthalene | <8 | | | | | | | | |
| 2-chlorophenol | <8 | _ | - | _ | _ | _ | _ | _ | _ |
| 2-hexanone (mbk) | <5 <8 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene 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 4,4'-ddd | <8 <.05 | | | | | | | | |
| 4,4'-dde | <.05 | | | | | | | | |
| 4,4'-ddt | <.05 | | | | | | | | |
| 4,6-dinitro-2-methylphenol | <8 | | | | | | | | |
| 4-aminobiphenyl | <8 | | | | | | | | |
| 4-bromophenyl phenyl ether | <8 | | | | | | | | |
| 4-chloro-3-methylphenol 4-chloroaniline | <8 <8 | | | | | | | | |
| 4-chlorophenyl phenyl ether | <8 | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | <8 | | | | · · | | | | |
| 4-nitrophenol | <8 | | | | | | | | |
| 5-nitro-o-toluidine | <8 | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | <8 | | | | | | | | |
| Acenaphthene Acenaphthylene | <8 <8 | | | | | | | | |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonie | <10.0 | ~10.0 | ~10.0 | ~10.0 | ~10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Acetophenone | <8 | | | | | | | | |
| Acrolein | <10 | | | | | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | <.05 | | | | | | | | |
| Alkalinity, as caco3 | ا مدر | | | | 624 | 581 | | 670 | |
| Allyl chloride Alpha-bhc | <1 <.05 | | | | | | | | |
| лірпа-впс | <.05 | | | | | | <u> </u> | l | |

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

Table 9

Analytical Data Summary for MW-54

| Constituents | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|--|-----------|------------|-----------|------------|
| (3 4)-methylphenol | | | | |
| 1,1,1,2-tetrachloroethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane 1,2,4,5-tetrachlorobenzene | | ` | ~1 | `' |
| 1,2,4-trichlorobenzene | | | | |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene 1,2-dichloroethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | ., | • • | . |
| 1,3,5-trinitrobenzene | | | | |
| 1,3-dichlorobenzene | | | | |
| 1,3-dichloropropane 1,3-dinitrobenzene | | | | |
| 1,3-dinitrobenzene 1,4-dichlorobenzene | 1.6 | 4.1 | 2.3 | 2.9 |
| 1,4-dichloroberizerie | 1.0 | 7.1 | 2.0 | 2.5 |
| 1,4-phenylenediamine | | | | |
| 1-naphthylamine | | | | |
| 2,2-dichloropropane | | | | |
| 2,3,4,6-tetrachlorophenol | | | | |
| 2,4,5-tp (silvex) | | | | |
| 2,4,5-trichlorophenol | | | | |
| 2,4,6-trichlorophenol | | | | |
| 2,4-d | | | | |
| 2,4-dichlorophenol 2,4-dimethylphenol | | | | |
| 2,4-dinitrophenol | | | | |
| 2,4-dinitrotoluene | | | | |
| 2,6-dichlorophenol | | | | |
| 2,6-dinitrotoluene | | | | |
| 2-acetylaminofluorene 2-butanone (mek) | <10 | <10 | <10 | <10 |
| 2-chloronaphthalene | 10 | 10 | 110 | 10 |
| 2-chlorophenol | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | |
| 2-methylphenol 2-naphthylamine | | | | |
| 2-nitroaniline | | | | |
| 2-nitrophenol | | | | |
| 3,3'-dichlorobenzidine | | | | |
| 3,3'-dimethylbenzidine 3-methylcholanthrene | | | | |
| 3-nitroaniline | | | | |
| 4,4'-ddd | | | | |
| 4,4'-dde | | | | |
| 4,4'-ddt | | | | |
| 4,6-dinitro-2-methylphenol | | | | |
| 4-aminobiphenyl 4-bromophenyl phenyl ether | | | | |
| 4-chloro-3-methylphenol | | | | |
| 4-chloroaniline | | | | |
| 4-chlorophenyl phenyl ether | _ | _ | _ | _ |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 |
| 4-nitroaniline 4-nitrophenol | | | | |
| 5-nitro-o-toluidine | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | |
| Acenaphthene | | | | |
| Acenaphthylene | | .40.0 | .40.0 | .40.0 |
| Acetone Acetonitrile | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetophenone | | | | |
| Acrolein | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 |
| Aldrin | | | | |
| Alkalinity, as caco3 | 585 | | 512 | 612 |
| Allyl chloride Alpha-bhc | | | | |
| , aprid billo | | | | |

^{* -} 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 |
|--|--------------|------------|-----------|-----------|-------------|------------|-----------|-----------|---------------------------------------|
| Anthracene | ug/L | | | | | | | | |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 | ug/L | | | | | | | | |
| Arochlor 1221 | ug/L | | | | | | | | |
| Arochlor 1232 | ug/L | | | | | | | | |
| Arochlor 1242 | ug/L | | | | | | | | |
| Arochlor 1248 | ug/L | | | | | | | | |
| Arochlor 1254 | ug/L | | | | | | | | |
| Arochlor 1260 | ug/L | | | | | | | | |
| Arsenic, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | 5.9 | <4.0 | 4.2 | <4.0 |
| Azobenzene | ug/L | 444 | F70 | 445 | 400 | F07 | 454 | 407 | 400 |
| Barium, total | ug/L | 444 | 578 <1 | 445 <1 | 493 <1 | 537 | 454 <1 | 487 | 466 <1 |
| Benzene Benzo(a)anthracene | ug/L ug/L | ı | <u> </u> | <u> </u> | <u> </u> | ' | | 1 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| Benzo(a)antinacene Benzo(a)pyrene | ug/L ug/L | | | | | | | | |
| Benzo(b)fluoranthene | ug/L | | | | | | | | |
| Benzo(g,h,i)perylene | ug/L | | | | | | | | |
| Benzo(k)fluoranthene | ug/L | | | | | | | | |
| Benzyl alcohol | ug/L | | | | | | | | |
| Beryllium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Beta-bhc | ug/L | | | | | | | | |
| Bis (2-chloroethoxy) methane | ug/L | | | | | | | | |
| Bis(2-chloroethyl) ether | ug/L | | | | | | | | |
| Bis(2-chloroisopropyl) ether | ug/L | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | ug/L | <17 | <10 | <10 | <15 | <10 | <10 | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | _ 0 | _ 0 |
| Cadmium, total Calcium, total | ug/L mg/L | 178 | 181 | 172 | \. 0 | 164 | \.o | <.8 | <.8 |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | ug/L | | •• | | | | | | |
| Chloride | mg/L | <10.0 | <10.0 | <10.0 | | 3.2 | | | |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | ug/L | | | | | | | | |
| Chloroethane | ug/L | 20.6 | 14.1 | 13.6 | 5.8 | 13.7 | 10.5 | 11.4 | 8.5 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | ug/L | | | | | | | | |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Chrysene | ug/L | | | | | | | | |
| Cis-1,2-dichloroethylene | ug/L | 2.9 | 2.4 | 2.1 | 1.9 | 2.0 | 1.5 | 1.9 | 1.2 |
| Cis-1,3-dichloropropene | ug/L | <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 |
| Copper, total Cyanide, total | ug/L mg/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Delta-bhc | ug/L | | | | | | | | |
| Diallate | ug/L | | | | | | | | |
| Dibenzo(a,h)anthracene | ug/L | | | | | | | | |
| Dibenzofuran | ug/L | | | | | | | | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | | | | | | | | |
| Dieldrin | ug/L | | | | | | | | |
| Diethyl phthalate | ug/L | | | | | | | | |
| Dimethoate | ug/L | | | | | | | | |
| Dimethylphthalate | ug/L | | | | | | | | |
| Di-n-butyl phthalate | ug/L | | | | | | | | |
| Di-n-octyl phthalate | ug/L | | | | | | | | |
| Dinoseb | ug/L | | | | | | | | |
| Diphenylamine Disulfoton | ug/L ug/L | | | | | | | | |
| Distriction Endosulfan i | ug/L ug/L | | | | | | | | |
| Endosulfan ii | ug/L ug/L | | | | | | | | |
| Endosulfan sulfate | ug/L | | | | | | | | |
| Endrin | ug/L | | | | | | | | |
| Endrin aldehyde | ug/L | | | | | | | | |
| Ethane | ug/L | | | | | | | | |
| Ethene | ug/L | | | | | | | | |
| Ethyl methacrylate | ug/L | | | | | | | | |
| Ethyl methanesulfonate | ug/L | | | | | | | | |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | ug/L | | | | | | | | |
| Fluoranthene | ug/L | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-54

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|--|------------|------------|------------|-----------|------------|----------|-----------|------------|------------|
| Anthracene | <8 | | | | | | | | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 | <.1 | | | | | | | | |
| Arochlor 1221 | <.2 | | | | | | | | |
| Arochlor 1232 | <.2 | | | | | | | | |
| Arochlor 1242 | <.2 | | | | | | | | |
| Arochlor 1248 | <.2 | | | | | | | | |
| Arochlor 1254 Arochlor 1260 | <.1 <.1 | | | | | | | | |
| Arsenic, total | <4.0 | 6.0 | 11.3 | 46.4 | 7.6 | 4.9 | 8.7 | 6.7 | 5.0 |
| Azobenzene | <8 | 0.0 | 11.0 | 40.4 | 7.0 | 7.0 | 0.7 | 0.7 | 0.0 |
| Barium, total | 373 | 439 | 354 | 528 | 424 | 441 | 408 | 397 | 438 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | <8 | | | | | | | | |
| Benzo(a)pyrene | <8 | | | | | | | | |
| Benzo(b)fluoranthene | <8 | | | | | | | | |
| Benzo(g,h,i)perylene Benzo(k)fluoranthene | <8 <8 | | | | | | | | |
| Benzyl alcohol | <8 | | | | | | | | |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Beta-bhc | <.05 | | | | | | | | |
| Bis (2-chloroethoxy) methane | <8 | | | | | | | | |
| Bis(2-chloroethyl) ether | <8 | | | | | | | | |
| Bis(2-chloroisopropyl) ether | <8 | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | <6 | | | | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform Bromomethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Butyl benzyl phthalate | <8 | \ 1 | \ \ | | `1 | ~1 | | `' | ` |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | | | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | <.1 | | | | | | | | |
| Chloride | | | | | | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | <8 | 4.0 | 4.0 | 4.0 | 0.7 | .4.0 | .4.0 | | 4.0 |
| Chloroethane | 2.0 | 4.0 <1 | 4.3 <1 | 1.9 <1 | 2.7 <1 | <1.0 | <1.0 | <1.0 <1 | 1.6 <1 |
| Chloroform Chloromethane | <1 | <1 | <1 | <1 <1 | <1 | <1 <1 | <1 <1 | <1 | <1 |
| Chloroprene | <1 | ` ' ' | \ \ \ | | ` | ~1 | | `` | `' |
| Chromium, total | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Chrysene | <8 | | | - | | | | | |
| Cis-1,2-dichloroethylene | <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 |
| Cobalt, total | 9.7 | 9.7 | 9.3 | 28.9 | 8.5 | 9.7 | 8.9 | 10.1 | 9.6 |
| Copper, total | <4.0 | <4.0 | <4.0 | 50.9 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Cyanide, total | <.005 | | | | | | | | |
| Delta-bhc Diallate | <.05 <8 | | | | | | | | |
| Dialiate Dibenzo(a,h)anthracene | <8 | | | | | | | | |
| Dibenzo(a,rr)aritiracerie | <8 | | | | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | <1 | | | | | | | | |
| Dieldrin | <.05 | | | | | | | | |
| Diethyl phthalate | <8 | | | | | | | | |
| Dimethoate | <.4 | | | | | | | | |
| Dimethylphthalate Di-n-butyl phthalate | <8 <8 | | | | | | | | |
| Di-n-butyl phthalate | <8 | | | | | | | | |
| Di-ni-octyl pritrialate | <.5 | | | | | | | | |
| Diphenylamine | <8 | | | | | | | | |
| Disulfoton | <.4 | | | | | | | | |
| Endosulfan i | <.05 | | | | | | | | |
| Endosulfan ii | <.05 | | | | | | | | |
| Endosulfan sulfate | <.05 | | | | | | | | |
| Endrin | <.05 | | | | | | | | |
| Endrin aldehyde | <.05 | | | | ا د د. | | | | |
| Ethane | | | | | <14 | <10 | | | |
| Ethene | <10 | | | | <14 | <10 | | | |
| Ethyl methacrylate Ethyl methanesulfonate | <8 | | | | | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | <.4 | *1 | `' | - 1 | `` | - 1 | 1 | '' | -1 |
| Fluoranthene | <8 | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-54

| Constituents | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|---|-----------|------------|-----------|------------|
| Anthracene | _ | _ | _ | _ |
| Antimony, total | <2 | <2 | <2 | <2 |
| Arochlor 1016 Arochlor 1221 | | | | |
| Arochlor 1232 | | | | |
| Arochlor 1242 | | | | |
| Arochlor 1248 | | | | |
| Arochlor 1254 | | | | |
| Arochlor 1260 | | | | |
| Arsenic, total | <4.0 | 22.3 | 4.8 | 5.4 |
| Azobenzene Barium, total | 373 | 460 | 449 | 481 |
| Benzene | <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 | <4 | <4 | <4 |
| Beta-bhc | "" | | 17 | |
| Bis (2-chloroethoxy) methane | | | | |
| Bis(2-chloroethyl) ether | | | | |
| Bis(2-chloroisopropyl) ether | | | | |
| Bis(2-ethylhexyl) phthalate | ا ہـ ا | | ار | ار |
| Bromochloromethane Bromodichloromethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Bromoform | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | |
| Carbon disulfide Carbon tetrachloride | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Chlordane | ` ' | <u> </u> | `' | `' |
| Chloride | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 |
| Chlorobenzilate | | | | |
| Chloroethane | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | <1 | <1 | <1 | <1 |
| Chloromethane Chloroprene | <1 | <1 | <1 | <1 |
| Chromium, total | <8 | <8 | <8 | <8 |
| Chrysene | | | ١ | ٦ |
| Cis-1,2-dichloroethylene | <1.0 | <1.0 | <1.0 | <1.0 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Cobalt, total | 9.9 | 11.3 | 10.6 | 9.9 |
| Copper, total Cyanide, total | <4.0 | <4.0 | <4.0 | <4.0 |
| Delta-bhc | | | | |
| Diallate | | | | |
| Dibenzo(a,h)anthracene | | | | |
| Dibenzofuran | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 |
| Dibromomethane Dichlorodifluoromethane | <1 | <1 | <1 | <1 |
| Dieldrin | | | | |
| Diethyl phthalate | | | | |
| Dimethoate | | | | |
| Dimethylphthalate | | | | |
| Di-n-butyl phthalate | | | | |
| Di-n-octyl phthalate Dinoseb | | | | |
| Dinosed Diphenylamine | | | | |
| Disulfoton | | | | |
| Endosulfan i | | | | |
| Endosulfan ii | | | | |
| Endosulfan sulfate | | | | |
| Endrin | | | | |
| Endrin aldehyde Ethane | | | | <5 |
| Ethene | | | | <5 <5 |
| Ethyl methacrylate | | | | -5 |
| Ethyl methanesulfonate | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 |
| Famphur | | | | |
| Fluoranthene | | | | |

^{* -} 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 |
|---|--------------|------------|----------|-----------|-----------|------------|-----------|-----------|-----------|
| Fluorene | ug/L | | | | | | | | |
| Gamma-bhc (lindane) | ug/L | | | | | | | | |
| Heptachlor Heptachlor epoxide | ug/L ug/L | | | | | | | | |
| Hexachlorobenzene | ug/L | | | | | | | | |
| Hexachlorobutadiene | ug/L | | | | | | | | |
| Hexachlorocyclopentadiene | ug/L | | | | | | | | |
| Hexachloroethane | ug/L | | | | | | | | |
| Hexachloropropene Indeno(1,2,3-cd)pyrene | ug/L ug/L | | | | | | | | |
| Isobutanol | mg/L | | | | | | | | |
| Isodrin | ug/L | | | | | | | | |
| Isophorone | ug/L | | | | | | | | |
| Isosafrole | ug/L | | | | | | | | |
| Kepone Lead, total | ug/L ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | mg/L | 72.6 | 69.8 | 72.0 | `~ | 64.5 | | `~ | ~4 |
| Mercury, total | ug/L | | 00.0 | . 2.0 | | 00 | | | |
| Methacrylonitrile | ug/L | | | | | | | | |
| Methane | ug/L | | | | | | | | |
| Methapyrilene | ug/L | | | | | | | | |
| Methoxychlor Methyl iodide | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | ug/L |] | -1 | - 1 | - ' | 1 | 1 | | |
| Methyl methanesulfonate | ug/L | | | | | | | | |
| Methyl parathion | ug/L | _ | | | | | | | |
| Methylene chloride Naphthalene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene Nickel, total | ug/L ug/L | 33.2 | 38.7 | 25.5 | 37.4 | 52.0 | 35.4 | 28.3 | 32.3 |
| Nitrobenzene | ug/L ug/L | 33.2 | 30.7 | 25.5 | 37.4 | 32.0 | 33.4 | 20.5 | 32.3 |
| Nitrogen, ammonia | mg/L | <1 | <1 | <1 | | <1 | | | |
| N-nitrosodiethylamine | ug/L | | | | | | | | |
| N-nitrosodimethylamine | ug/L | | | | | | | | |
| N-nitrosodi-n-butylamine | ug/L | | | | | | | | |
| N-nitroso-di-n-propylamine N-nitrosodiphenylamine | ug/L ug/L | | | | | | | | |
| N-nitrosomethylethylamine | ug/L | | | | | | | | |
| N-nitrosopiperidine | ug/L | | | | | | | | |
| N-nitrosopyrrolidine | ug/L | | | | | | | | |
| O,o,o-triethyl phosphorothioate | ug/L | | | | | | | | |
| O-toluidine Parathion | ug/L ug/L | | | | | | | | |
| P-dimethylaminoazobenzene | ug/L | | | | | | | | |
| Pentachlorobenzene | ug/L | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | | | | | |
| Pentachlorophenol | ug/L | | | | | | | | |
| pH Phenacetin | pH ug/L | | | | | | | | |
| Phenanthrene | ug/L ug/L | | | | | | | | |
| Phenol | ug/L | | | | | | | | |
| Phorate | ug/L | | | | | | | | |
| Potassium, total | mg/L | 1.3 | <1.0 | 1.4 | | <1.0 | | | |
| Pronamide | ug/L | | | | | | | | |
| Propionitrile Pyrene | ug/L ug/L | | | | | | | | |
| Safrole | ug/L | | | | | | | | |
| Selenium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Sodium, total | mg/L | 10.8 | 10.6 | 12.4 | | 9.8 | | | |
| Solids, total dissolved Solids, total suspended | mg/L mg/L | 713 107 | 700 9 | 713 | | 545 | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | mg/L | 6.9 | 6.4 | 11.1 | | 5.6 | | | |
| Sulfide, total | mg/L | | | | | | | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total Thionazin | ug/L | <4 | <4 | <1 | <4 | <4 | <4 | <4 | <4 |
| Tinonazin Tin, total | ug/L ug/L | | | | | | | | |
| Toluene | ug/L ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Toxaphene | ug/L | | 11.5 | -1.0 | 1.0 | | | | 1.0 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 <1 | <5 -1 | <5 <1 | <5 <1 | <5 | <5 | <5 <1 | <5 <1 |
| Trichloroethylene Trichlorofluoromethane | ug/L ug/L | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Vanadium, total | ug/L ug/L | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | | | | |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-54

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|--|------------------|-----------|------------|-----------|------------|----------|-----------|----------|------------|
| Fluorene | <8 | | | | | | | | |
| Gamma-bhc (lindane) | <.05 | | | | | | | | |
| Heptachlor apovido | <.05 <.05 | | | | | | | | |
| Heptachlor epoxide Hexachlorobenzene | <.05 | | | | | | | | |
| Hexachlorobutadiene | <8 | | | | | | | | |
| Hexachlorocyclopentadiene | <8 | | | | | | | | |
| Hexachloroethane | <8 | | | | | | | | |
| Hexachloropropene | <8 | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | <8 | | | | | | | | |
| Isobutanol | <1 | | | | | | | | |
| Isodrin | <8 <8 | | | | | | | | |
| Isophorone Isosafrole | <8 | | | | | | | | |
| Kepone | <8 | | | | | | | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | | | | | | | | | |
| Mercury, total | <.5 | | | | | | | | |
| Methacrylonitrile | <1 | | | | | | | | |
| Methane | | | | | 68 | 63 | | | |
| Methapyrilene Methapyrihlar | <8 < 05 | | | | | | | | |
| Methoxychlor Methyl iodide | <.05 <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | <1 | ~1 | `` | | | `` | ``' | `' | `' |
| Methyl methanesulfonate | <8 | | | | | | | | |
| Methyl parathion | <.4 | | | | | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | <8 | | | | | | | | |
| Nickel, total | 24.7 | 23.1 | 18.5 | 105.0 | 21.0 | 22.0 | 20.7 | 21.1 | 19.3 |
| 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 Parathion | <8 <.4 | | | | | | | | |
| P-dimethylaminoazobenzene | <8 | | | | | | | | |
| Pentachlorobenzene | <8 | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | <8 | | | | | | | | |
| Pentachlorophenol | <8 | | | | | | | | |
| pH | | | | | 6.7 | 6.8 | | 6.8 | |
| Phenacetin | <8 | | | | | | | | |
| Phenanthrene | <8 <8 | | | | | | | | |
| Phenol Phorate | <.4 | | | | | | | | |
| Priorate Potassium, total | \. .4 | | | | | | | | |
| Pronamide | <8 | | | | | | | | |
| Propionitrile | <10 | | | | | | | | |
| Pyrene | <8 | | | | | | | | |
| Safrole | <8 | | | | _ | | | | |
| Selenium, total | <4 | <4 | <4 <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Sodium, total Solids, total dissolved | | | | | | | | | |
| Solids, total dissolved Solids, total suspended | | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | '' | | | · ' | , | | | | '' |
| Sulfide, total | <.1 | | | | | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Thionazin | <.4 | | | | | | | | |
| Tin, total | <20 | 4.0 | -10 | -10 | -10 | -10 | -10 | -10 | -10 |
| Toluene Toxaphene | <1.0 <.2 | 1.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trans-1,2-dichloroethylene | <.2 <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |

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

Table 9

Analytical Data Summary for MW-54

| Constituents | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|--|-----------|------------|-----------|------------|
| Fluorene | | | | |
| Gamma-bhc (lindane) Heptachlor | | | | |
| Heptachlor epoxide | | | | |
| Hexachlorobenzene | | | | |
| Hexachlorobutadiene | | | | |
| Hexachlorocyclopentadiene Hexachloroethane | | | | |
| Hexachloropropene | | | | |
| Indeno(1,2,3-cd)pyrene | | | | |
| Isobutanol Isodrin | | | | |
| Isophorone | | | | |
| Isosafrole | | | | |
| Kepone | -4 | -4 | -4 | -4 |
| Lead, total Magnesium, total | <4 | <4 | <4 | <4 |
| Mercury, total | | | | |
| Methacrylonitrile | | | | |
| Methane | | | | 78 |
| Methapyrilene Methoxychlor | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 |
| Methyl methacrylate | | | | |
| Methyl methanesulfonate Methyl parathion | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 |
| Naphthalene | | _ | | |
| Nickel, total | 22.4 | 22.2 | 22.4 | 22.6 |
| Nitrobenzene Nitrogen, ammonia | | | | |
| N-nitrosodiethylamine | | | | |
| N-nitrosodimethylamine | | | | |
| N-nitrosodi-n-butylamine | | | | |
| N-nitroso-di-n-propylamine N-nitrosodiphenylamine | | | | |
| N-nitrosomethylethylamine | | | | |
| N-nitrosopiperidine | | | | |
| N-nitrosopyrrolidine | | | | |
| O,o,o-triethyl phosphorothioate O-toluidine | | | | |
| Parathion | | | | |
| P-dimethylaminoazobenzene | | | | |
| Pentachlorobenzene | | | | |
| Pentachloronitrobenzene (pcnb) Pentachlorophenol | | | | |
| pH | | | 6.7 | 6.4 |
| Phenacetin | | | | |
| Phenanthrene Phenol | | | | |
| Phorate | | | | |
| Potassium, total | | | | |
| Pronamide | | | | |
| Propionitrile | | | | |
| Pyrene Safrole | | | | |
| Selenium, total | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 |
| Sodium, total Solids, total dissolved | | | | |
| Solids, total dissolved Solids, total suspended | | | | |
| Styrene | <1 | <1 | <1 | <1 |
| Sulfate | | | | |
| Sulfide, total Tetrachloroethylene | <1 | <1 | <1 | <1 |
| Thallium, total | <2 | <2 | <2 | <2 |
| Thionazin | | | | |
| Tin, total | -10 | -10 | -10 | <1.0 |
| Toluene Toxaphene | <1.0 | <1.0 | <1.0 | <1.0 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene Trichloroethylene | <5 <1 | <5 <1 | <5 <1 | <5 <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 |

^{* -} 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 |
|----------------|-------|------------|----------|-----------|-----------|------------|-----------|-----------|-----------|
| Vinyl chloride | ug/L | 1.0 | <1.0 | 1.0 | <1.0 | 2.0 | 1.8 | 1.6 | <1.0 |
| Xylenes, total | ug/L | <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 |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-54

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|----------------|------------|-----------|------------|-----------|------------|----------|-----------|----------|------------|
| Vinyl chloride | <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 |
| Zinc, total | 9.3 | 28.6 | 28.9 | 244.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

| Constituents | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|----------------|-----------|------------|-----------|------------|
| Vinyl chloride | <1.0 | <1.0 | <1.0 | <1.0 |
| Xylenes, total | <2 | <2 | <2 | <2 |
| Zinc, total | <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-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 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| | ug/L | 457 | \ 3 | 472 | \ 5 | 433 | \3 | 354 | \3 |
| Alkalinity, as caco3 | mg/L | | -0 | | -0 | | -0 | | ا مر |
| 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 ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | .9 | <.8 |
| Copper, total | ug/L ug/L | <. 6 | <.0 <4 | <4 | <4 | <4 | <4 | .9 <4 | <4 |
| Dibromochloromethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | | - | | | - | | | |
| 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 |
| 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 ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | | <5 <1 | <5 <1 | <5 <1 | <0 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 |
| Trichloroethylene | ug/L | | <1 <1 | <1 <1 | | | | | |
| | ug/L | <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 |
|---|--------------|------------|----------|-----------|-----------|------------|---|-----------|-----------|
| (3 4)-methylphenol | ug/L | | | | | | | | |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,1,2,2-tetrachloroethane | ug/L ug/L | <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 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | ug/L | | | | | | | | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | | | | | | |
| 1,2,4-trichlorobenzene 1,2-dibromo-3-chloropropane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L ug/L | <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 |
| 1,2-dichloroethane | ug/L | 7.7 | 6.5 | 8.7 | 4.7 | 6.4 | 4.2 | 9.9 | 5.8 |
| 1,2-dichloropropane | ug/L | 19.6 | 16.1 | 15.8 | 11.1 | 10.6 | 9.1 | 12.6 | 8.6 |
| 1,2-dinitrobenzene | ug/L | | | | | | | | |
| 1,3,5-trinitrobenzene | ug/L | | | | | | | | |
| 1,3-dichlorobenzene 1,3-dichloropropane | ug/L ug/L | | | | | | | | |
| 1,3-dictioroproparie | ug/L ug/L | | | | | | | | |
| 1,4-dichlorobenzene | ug/L | 1.6 | 1.5 | 1.5 | 2.2 | 3.2 | 2.8 | 3.4 | 4.2 |
| 1,4-naphthoguinone | ug/L | | | | <u>_</u> | | | | |
| 1,4-phenylenediamine | ug/L | | | | | | | | |
| 1-naphthylamine | ug/L | | | | | | | | |
| 2,2-dichloropropane | ug/L | | | | | | | | |
| 2,3,4,6-tetrachlorophenol | ug/L ug/L | | | | | | | | |
| 2,4,5-tp (silvex) | ug/L ug/L | | | | | | | | |
| 2,4,5-trichlorophenol | ug/L | | | | | | | | |
| 2,4,6-trichlorophenol | ug/L | | | | | | | | |
| 2,4-d | ug/L | | | | | | | | |
| 2,4-dichlorophenol | ug/L | | | | | | | | |
| 2,4-dimethylphenol | ug/L | | | | | | | | |
| 2,4-dinitrophenol 2,4-dinitrotoluene | ug/L ug/L | | | | | | | | |
| 2,6-dichlorophenol | ug/L ug/L | | | | | | | | |
| 2,6-dinitrotoluene | ug/L | | | | | | | | |
| 2-acetylaminofluorene | ug/L | | | | | | | | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-chloronaphthalene | ug/L | | | | | | | | |
| 2-chlorophenol | ug/L | <5 | <5 | Æ | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) 2-methylnaphthalene | ug/L ug/L | \ \ \ | <5 | <5 | < 5 | <0 | \ | <5 | < 5 |
| 2-methylphenol | ug/L | | | | | | | | |
| 2-naphthylamine | ug/L | | | | | | | | |
| 2-nitroaniline | ug/L | | | | | | | | |
| 2-nitrophenol | ug/L | | | | | | | | |
| 3,3'-dichlorobenzidine | ug/L | | | | | | | | |
| 3,3'-dimethylbenzidine 3-methylcholanthrene | ug/L ug/L | | | | | | | | |
| 3-nitroaniline | ug/L ug/L | | | | | | | | |
| 4,4'-ddd | ug/L | | | | | | | | |
| 4,4'-dde | ug/L | | | | | | | | |
| 4,4'-ddt | ug/L | | | | | | | | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | | | | | |
| 4-aminobiphenyl 4-bromophenyl phenyl ether | ug/L ug/L | | | | | | | | |
| 4-bromopnenyi pnenyi etner 4-chloro-3-methylphenol | ug/L ug/L | | | | | | | | |
| 4-chloroaniline | ug/L | | | | | | | | |
| 4-chlorophenyl phenyl ether | ug/L | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | ug/L | | | | | | | | |
| 4-nitrophenol | ug/L | | | | | | | | |
| 5-nitro-o-toluidine | ug/L | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene Acenaphthene | ug/L ug/L | | | | | | | | |
| Acenaphthylene | ug/L | | | | | | | | |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonitrile | ug/L | | | | | | | | |
| Acetophenone | ug/L | | | | | | | | |
| Acrolein | ug/L | _ | _ | _ | _ | _ | _ | _ | _ |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin Alkalinity, as caco3 | ug/L mg/L | 1140 | 1210 | 973 | | 1030 | | | |
| Allyl chloride | ug/L | 1140 | 1210 | 913 | | 1030 | | | |
| Alpha-bhc | ug/L | | | | | | | | |
| | 1 49, 5 | I | | | | | <u> </u> | | |

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

Table 9

Analytical Data Summary for MW-81

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|---|------------|-----------|------------|-----------|------------|------------|-----------|----------|------------|
| (3 4)-methylphenol | <8 | | | | | | | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 | <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 <1 |
| 1,1,2-therioroethane | 19.0 | 13.8 | 11.0 | 10.8 | 27.9 | 15.8 | 29.3 | 21.5 | 27.7 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | <1 | - | • | | • | - | | | - |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | <8 | | | | | | | | |
| 1,2,4-trichlorobenzene | <1 | | | | | | .= | | |
| 1,2-dibromo-3-chloropropane | <1 <1 | <1 <1 | <1 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 |
| 1,2-dichlorobenzene | <1.0 | 1.9 | 1.3 | 2.0 | 1.1 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-dichloroethane | 2.9 | 2.1 | <1.0 | 2.4 | 7.7 | 3.9 | 9.8 | 5.7 | 12.8 |
| 1,2-dichloropropane | 4.9 | 1.9 | 1.5 | 1.1 | 7.9 | 4.0 | 9.3 | 2.6 | 8.1 |
| 1,2-dinitrobenzene | <8 | | | | | | | | |
| 1,3,5-trinitrobenzene | <8 | | | | | | | | |
| 1,3-dichlorobenzene | <1 | | | | | | | | |
| 1,3-dichloropropane | <1 | | | | | | | | |
| 1,3-dinitrobenzene | <8 <1.0 | 8.0 | 7.6 | <1.0 | 6.6 | 5.2 | 5.0 | 4.6 | 5.8 |
| 1,4-achioropenzene | <8 | 6.0 | 7.0 | ~1.0 | 0.0 | 5.2 | 5.0 | 4.0 | 5.6 |
| 1,4-naphthoquinone | <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 <8 | | | | | | | | |
| 2,4,6-tricrilorophenor | <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 <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 |
| 2-butanone (mek) 2-chloronaphthalene | <8 | < 5 | \ 5 | < 5 | <2 | \ 5 | < 5 | <10 | <10 |
| 2-chlorophenol | <8 | | | | | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | <8 | | | | | | | | |
| 2-methylphenol | <8 | | | | | | | | |
| 2-naphthylamine | <8 | | | | | | | | |
| 2-nitroaniline | <8 | | | | | | | | |
| 2-nitrophenol 3,3'-dichlorobenzidine | <8 <8 | | | | | | | | |
| 3,3'-dimethylbenzidine | <8 | | | | | | | | |
| 3-methylcholanthrene | <8 | | | | | | | | |
| 3-nitroaniline | <8 | | | | | | | | |
| 4,4´-ddd | <.05 | | | | | | | | |
| 4,4´-dde | <.05 | | | | | | | | |
| 4,4'-ddt | <.05 | | | | | | | | |
| 4,6-dinitro-2-methylphenol | <8 <8 | | | | | | | | |
| 4-aminobiphenyl 4-bromophenyl phenyl ether | <8 <8 | | | | | | | | |
| 4-chloro-3-methylphenol | <8 | | | | | | | | |
| 4-chloroaniline | <8 | | | | | | | | |
| 4-chlorophenyl phenyl ether | <8 | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | <8 | | | | | | | | |
| 4-nitrophenol | <8 | | | | | | | | |
| 5-nitro-o-toluidine 7,12-dimethylbenz(a)anthracene | <8 <8 | | | | | | | | |
| Acenaphthene | <8 <8 | | | | | | | | |
| Acenaphthylene | <8 | | | | | | | | |
| Acetone | 26.7 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonitrile | <10 | | | | | | | | |
| Acetophenone | <8 | | | | | | | | |
| Acrolein | <10 | | | | | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Alkalinity as case3 | <.05 | | | | 1020 | 1050 | | 965 | |
| Alkalinity, as caco3 Allyl chloride | <1 | | | | 1020 | 1050 | | 905 | |
| Alpha-bhc | <.05 | | | | | | | | |
| . apriles aris | 00 | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-81

| Constituents | 4/11/2023 | 10/13/2023 | 4/16/2024 | 10/15/2024 |
|--|-----------|------------|-----------|------------|
| (3 4)-methylphenol | | | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane 1,1,2,2-tetrachloroethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1.1.2-trichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | 23.9 | 30.0 | 28.2 | 24.8 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | | | . |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-dichloroethane | 6.9 | 15.6 | 12.3 | 11.2 |
| 1,2-dichloropropane 1,2-dinitrobenzene | 3.5 | 8.4 | 6.5 | 6.9 |
| 1,3,5-trinitrobenzene | | | | |
| 1,3-dichlorobenzene | | | | |
| 1,3-dichloropropane | | | | |
| 1,3-dinitrobenzene | | | 4.7 | 5.0 |
| 1,4-dichlorobenzene | 4.6 | 5.7 | 4.7 | 5.6 |
| 1,4-naphthoquinone | | | | |
| 1-naphthylamine | | | | |
| 2,2-dichloropropane | | | | |
| 2,3,4,6-tetrachlorophenol | | | | |
| 2,4,5-t | | | | |
| 2,4,5-tp (silvex) | | | | |
| 2,4,6-trichlorophenol | | | | |
| 2,4-d | | | | |
| 2,4-dichlorophenol | | | | |
| 2,4-dimethylphenol | | | | |
| 2,4-dinitrophenol 2,4-dinitrotoluene | | | | |
| 2,6-dichlorophenol | | | | |
| 2,6-dinitrotoluene | | | | |
| 2-acetylaminofluorene | | | | |
| 2-butanone (mek) | <10 | <10 | <10 | <10 |
| 2-chloronaphthalene 2-chlorophenol | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | ١ | ١ | |
| 2-methylphenol | | | | |
| 2-naphthylamine | | | | |
| 2-nitroaniline | | | | |
| 2-nitrophenol 3,3'-dichlorobenzidine | | | | |
| 3,3'-dimethylbenzidine | | | | |
| 3-methylcholanthrene | | | | |
| 3-nitroaniline | | | | |
| 4,4´-ddd | | | | |
| 4,4'-dde 4,4'-ddt | | | | |
| 4,4 -aat 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 |
| 4-nitroaniline | `` | -5 | ~3 | 75 |
| 4-nitrophenol | | | | |
| 5-nitro-o-toluidine | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | |
| Acenaphthene Acenaphthylene | | | | |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonie | 10.0 | 10.0 | -10.0 | -10.0 |
| Acetophenone | | | | |
| Acrolein | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 |
| Aldrin Alkalinity, as caco3 | 982 | | 886 | 907 |
| Alkalinity, as cacos Allyl chloride | 902 | | 000 | 907 |
| Alpha-bhc | | | | |
| | | ' | | |

^{* -} 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 |
|---|--------------|------------|----------|------------|----------------|------------|-----------|-----------|-----------|
| Anthracene | ug/L | _ | _ | | _ | _ | - | _ | _ |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 Arochlor 1221 | ug/L | | | | | | | | |
| Arochlor 1232 | ug/L ug/L | | | | | | | | |
| Arochlor 1242 | ug/L | | | | | | | | |
| Arochlor 1248 | ug/L | | | | | | | | |
| Arochlor 1254 | ug/L | | | | | | | | |
| Arochlor 1260 | ug/L | | | | | | | | |
| Arsenic, total | ug/L | 6.1 | 4.4 | <4.0 | <4.0 | 4.4 | <4.0 | <4.0 | <4.0 |
| Azobenzene Barium, total | ug/L | 1610 | 2000 | 1810 | 1340 | 1600 | 1170 | 1640 | 1460 |
| Benzene | ug/L ug/L | <1.0 | <1.0 | <1.0 | <1.0 | 1.3 | 1.5 | 1.1 | 1.0 |
| Benzo(a)anthracene | ug/L | 1.0 | 11.0 | 11.0 | 11.0 | 1.0 | 1.0 | | 1.0 |
| Benzo(a)pyrene | ug/L | | | | | | | | |
| Benzo(b)fluoranthene | ug/L | | | | | | | | |
| Benzo(g,h,i)perylene | ug/L | | | | | | | | |
| Benzo(k)fluoranthene | ug/L | | | | | | | | |
| Benzyl alcohol Beryllium, total | ug/L ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Beta-bhc | ug/L ug/L | \4 | ~4 | ~ 4 | \ - | \ | ~ | \4 | ~4 |
| Bis (2-chloroethoxy) methane | ug/L | | | | | | | | |
| Bis(2-chloroethyl) ether | ug/L | | | | | | | | |
| Bis(2-chloroisopropyl) ether | ug/L | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | ug/L | <10 | 36 | <10 | <10 | <10 | <10 | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane Bromoform | ug/L ug/L | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Bromomethane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | ug/L | | | • | | ., | | | |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | mg/L | 230 | 229 | 221 | | 260 | | | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane Chloride | ug/L 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 |
| Chlorobenzilate | ug/L | | | | | | | | |
| Chloroethane | ug/L | 13.3 | 13.7 | 8.6 | 7.5 | 11.5 | 9.8 | 8.7 | 7.1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene Chromium, total | ug/L ug/L | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Chrysene | ug/L ug/L | | ~0 | ~0 | \0 | | | | _0 |
| Cis-1,2-dichloroethylene | ug/L | 288 | 252 | 201 | 247 | 243 | 205 | 188 | 195 |
| Cis-1,3-dichloropropene | ug/L | <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 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Cyanide, total Delta-bhc | mg/L ug/L | | | | | | | | |
| Diallate | ug/L ug/L | | | | | | | | |
| Dibenzo(a,h)anthracene | ug/L | | | | | | | | |
| Dibenzofuran | ug/L | | | | | | | | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | | | | | | | | |
| Dieldrin Diethyl phthalate | ug/L ug/L | | | | | | | | |
| Dimethoate | ug/L | | | | | | | | |
| Dimethylphthalate | ug/L | | | | | | | | |
| Di-n-butyl phthalate | ug/L | | | | | | | | |
| Di-n-octyl phthalate | ug/L | | | | | | | | |
| Dinoseb | ug/L | | | | | | | | |
| Diphenylamine Disulfoton | ug/L ug/L | | | | | | | | |
| Endosulfan i | ug/L ug/L | | | | | | | | |
| Endosulfan ii | ug/L | | | | | | | | |
| Endosulfan sulfate | ug/L | | | | | | | | |
| Endrin | ug/L | | | | | | | | |
| Endrin aldehyde | ug/L | | | | | | | | |
| Ethane | ug/L | | | | | | | | |
| Ethene | ug/L | | | | | | | | |
| Ethyl methacrylate Ethyl methanesulfonate | ug/L ug/L | | | | | | | | |
| Ethylbenzene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | ug/L ug/L | " | `' | 31 | ``' | | '' | `` | |
| Fluoranthene | ug/L | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-81

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|--|------------|------------|------------|----------------|------------|-----------|------------|--------------|----------------|
| Anthracene | <8 | | | | | | | | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 | <.1 | | | | | | | | |
| Arochlor 1221 | <.2 | | | | | | | | |
| Arochlor 1232 | <.2 | | | | | | | | |
| Arochlor 1242 Arochlor 1248 | <.2 <.2 | | | | | | | | |
| Arochlor 1254 | <.1 | | | | | | | | |
| Arochlor 1260 | <.1 | | | | | | | | |
| Arsenic, total | 10.5 | 6.6 | 8.0 | 11.5 | 6.1 | 6.7 | 5.5 | 8.2 | 6.0 |
| Azobenzene | <8 | | | | | | | | |
| Barium, total | 2140 | 956 | 873 | 1010 | 1180 | 1190 | 1550 | 1500 | 1670 |
| Benzene | <1.0 | 2.9 | 2.7 | 2.9 | 1.5 | 1.1 | <1.0 | <1.0 | <1.0 |
| Benzo(a)anthracene | <8 | | | | | | | | |
| Benzo(a)pyrene Benzo(b)fluoranthene | <8 <8 | | | | | | | | |
| Benzo(g,h,i)perylene | <8 | | | | | | | | |
| Benzo(k)fluoranthene | <8 | | | | | | | | |
| Benzyl alcohol | <8 | | | | | | | | |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Beta-bhc | <.05 | | | | | | | | |
| Bis (2-chloroethoxy) methane | <8 | | | | | | | | |
| Bis(2-chloroethyl) ether | <8 | | | | | | | | |
| Bis(2-chloroisopropyl) ether | <8 | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | <6 | ا مر | | ادر | أندر | | ي . | | ا مر |
| Bromochloromethane Bromodichloromethane | <1 <1 | <1 <1 | <1 <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 <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | <8 | | · | | | | · | | · |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | | | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | <.1 | | | | | | | | |
| Chloride | -10 | 4.4 | 1.1 | 1.0 | 1.5 | 1.0 | 10 | 1 10 | 4.7 |
| Chlorobenzene Chlorobenzilate | <1.0 <8 | 1.4 | 1.4 | 1.3 | 1.5 | 1.2 | 1.3 | 1.2 | 1.7 |
| Chloroethane | 5.2 | 6.0 | 7.8 | 6.0 | 9.2 | 5.6 | 5.7 | 5.0 | 7.2 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | <1 | | | | | | | | |
| Chromium, total | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Chrysene | <8 | | 40= | | 0.40 | | 400 | 400 | 205 |
| Cis-1,2-dichloroethylene | 101 | 84 | 127 | 83 | 210 | 148 | 188 | 192 | 225 |
| Cis-1,3-dichloropropene | <1 5.6 | <1 15.9 | <1 13.1 | <1 23.5 | <1 12.9 | <1 8.8 | <1 10.9 | <1 12.1 | <1 9.7 |
| Cobalt, total Copper, total | 5.6 <4 | 15.9 | 13.1 <4 | 23.5 <4 | 12.9 | o.o <4 | 10.9 | 12.1 <4 | 9.7 |
| Cyanide, total | <.005 | \4 | ~4 | \ 4 | \4 | \4 | ~4 | \ | \ - |
| Delta-bhc | <.05 | | | | | | | | |
| Diallate | <8 | | | | | | | | |
| Dibenzo(a,h)anthracene | <8 | | | | | | | | |
| Dibenzofuran | <8 | | | | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | <1 | | | | | | | | |
| Dieldrin | <.05 | | | | | | | | |
| Diethyl phthalate Dimethoate | <8 <.4 | | | | | | | | |
| Dimethoate 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 Ethane | <.05 | | | | <10 | <10 | | | |
| Ethane Ethene | | | | | <10 | <10 | | | |
| Ethyl methacrylate | <10 | | | | ~10 | ~10 | | | |
| Ethyl methanesulfonate | <8 | | | | | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | <.4 | | | | | | | | |
| Fluoranthene | <8 | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-81

| Anthracene Antimony, total Arochlor 1016 Arochlor 1221 | <2 | | | |
|--|----------|----------|----------|----------|
| Arochlor 1016 | <2 | | | _ |
| | | <2 | <2 | <2 |
| | | | | |
| Arochlor 1232 | | | | |
| Arochlor 1242 | | | | |
| Arochlor 1248 | | | | |
| Arochlor 1254 | | | | |
| Arochlor 1260 | | | | |
| Arsenic, total | 7.0 | 6.3 | 6.8 | 6.0 |
| Azobenzene Barium, total | 1540 | 1750 | 1940 | 1580 |
| Benzene | <1.0 | <1.0 | <1.0 | <1.0 |
| Benzo(a)anthracene | 11.0 | 11.0 | 1.0 | 1.0 |
| Benzo(a)pyrene | | | | |
| Benzo(b)fluoranthene | | | | |
| Benzo(g,h,i)perylene | | | | |
| Benzo(k)fluoranthene Benzyl alcohol | | | | |
| Beryllium, total | <4 | <4 | <4 | <4 |
| Beta-bhc | | " | ** | |
| Bis (2-chloroethoxy) methane | | | | |
| Bis(2-chloroethyl) ether | | | | |
| Bis(2-chloroisopropyl) ether | | | | |
| Bis(2-ethylhexyl) phthalate | | ا ہے | ار | ار |
| Bromochloromethane Bromodichloromethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Bromoform | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 |
| Carbon tetrachloride Chlordane | <1 | <1 | <1 | <1 |
| Chloride | | | | |
| Chlorobenzene | 1.4 | 1.9 | 1.7 | 1.8 |
| Chlorobenzilate | | | | |
| Chloroethane | 5.4 | 6.5 | 6.8 | 6.0 |
| Chloroform | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 |
| Chloroprene Chromium, total | <8 | <8 | <8 | <8 |
| Chrysene | | | | |
| Cis-1,2-dichloroethylene | 140 | 181 | 164 | 127 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Cobalt, total | 10.9 | 9.0 | 10.5 | 8.2 |
| Copper, total Cyanide, total | <4 | <4 | <4 | <4 |
| Delta-bhc | | | | |
| Diallate | | | | |
| Dibenzo(a,h)anthracene | | | | |
| Dibenzofuran | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 |
| Dibromomethane Dichlorodifluoromethane | <1 | <1 | <1 | <1 |
| 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 | | | | <i></i> |
| Ethane | | | | <5 <5 |
| Ethyl methacrylate | | | | ~3 |
| Ethyl methanesulfonate | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 |
| Famphur | | | | |
| Fluoranthene | | | | |

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

Table 9

Analytical Data Summary for MW-81

| Magnesium, total mg/L ug/L wg/L wg | 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 |
|--|-------------------------|--------------|------------|----------|-----------|-------------|------------|-----------|-----------|-----------|
| Heptechlor poxoled Heptechlor poxoled Hestechloroberszene Upl. Hestechloroberszene Upl. Hestechloroberszene Upl. Hestechloroberszene Upl. Hestechloroperszene Upl. Hestechloroperszene Upl. Upl | | ug/L | | | | | | | | |
| Heptachlor spoxide ugl. | | | | | | | | | | |
| Hexachlorobenzation | | | | | | | | | | |
| Hexachlorocytopantaleine | | | | | | | | | | |
| Hexachlorocyclopentadine ug/L | | | | | | | | | | |
| Hexachloropene ugl. | | | | | | | | | | |
| Hexachtoropropene | | | | | | | | | | |
| Indenot(1,2,3-cd)pyrene ug/L mg/L losoid ug/L loso | | ug/L | | | | | | | | |
| | | | | | | | | | | |
| Isochrin Ug/L Ug/ | | | | | | | | | | |
| Isophorone Ug/L | | | | | | | | | | |
| Isosafrole ug/L | | | | | | | | | | |
| Kepone ug/L c4 c4 c4 c4 c4 c4 c4 c | | | | | | | | | | |
| Magnesium, total mg/L ug/L wg/L wg | Kepone | | | | | | | | | |
| Mericury, total ug/L | | | | | | <4 | | <4 | <4 | <4 |
| Methacylonitrile Ug/L Methapyrilene Ug/L Methapyrilene Ug/L Methapyrilene Ug/L Methyl profilene Ug/L Methyl profilene Ug/L Methyl profilene Ug/L Methyl methacylate Ug/L Methyl methacylate Ug/L Methyl methapsisufionate Ug/L Methyl parathion Ug/L Methyl methapsisuficide Ug/L | Magnesium, total | mg/L | 113 | 112 | 113 | | 129 | | | |
| Methane | | | | | | | | | | |
| Methapyrilene | | | | | | | | | | |
| Methyl cidide ug/L wg/L | | | | | | | | | | |
| Methyl indide | | | | | | | | | | |
| Methy methanesulfonate ug/L with whitehy methanesulfonate ug/L with whitehy methanesulfonate ug/L with whitehy methanesulfonate ug/L with whitehy method ug/L with whitehy mide ug/L u | | | | 24 | 24 | . .4 | | | | |
| Methy methanesulfonate | | | | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methylenethloride ug/L <5 <5 <5 <5 <5 <5 <5 < | | | | | | | | | | |
| Methykene chloride | | | | | | | | | | |
| Naphthalene | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nicrobenzene ug/L 19.7 17.3 11.2 9.7 6.1 7.6 12.0 10 10 10 10 10 10 10 | | | | | | | | | | |
| Nitrogen, ammonia mg/L | | | 19.7 | 17.3 | 11.2 | 9.7 | 6.1 | 7.6 | 12.0 | 10.3 |
| N-nitrosodiethylamine | | | | | | | | | | |
| N-nitrosodinethylamine | Nitrogen, ammonia | mg/L | <1 | <1 | <1 | | <1 | | | |
| N-introso-di-n-propylamine ug/L | | | | | | | | | | |
| N-nitroso-di-n-propylamine ug/L N-nitroso-di-n-propylamine ug/L N-nitroso-di-n-propylamine ug/L N-nitroso-di-n-propylamine ug/L Ug/ | | | | | | | | | | |
| N-nitrosocityhetnylamine | | | | | | | | | | |
| N-nitrosomethylethylamine | | | | | | | | | | |
| N-nitrosopyrolidine | | | | | | | | | | |
| N-nitrospyrrolidine | | | | | | | | | | |
| O.otriethyl phosphorothioate | | | | | | | | | | |
| O-toluidine | | | | | | | | | | |
| Partation | | | | | | | | | | |
| P-dimethylaminoazobenzene | | | | | | | | | | |
| Pentachlorobenzene ug/L ug/L ug/L pH pH pH pH phenacetin ug/L ug/L phenathlorophenol ug/L phenathrene ug/L phenol ug/L phenol ug/L phenol ug/L phenol ug/L phenol ug/L phenol ug/L promaide ug/L promaide ug/L promaide ug/L pyrene ug/L pyrene ug/L safrole ug/L safrole ug/L safrole ug/L safrole ug/L safrole ug/L sodium, total suspended ug/L sodium, total suspended ug/L sodium, total suspended ug/L sodium, total suspended ug/L sodium, total sug/L sodium, total sodium, total sug/L sodium, total | | | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | | | | | | | | | | |
| Pentachlorophenol pH | | | | | | | | | | |
| Phenacetin | | | | | | | | | | |
| Phenanthrene | pH . | рЙ | | | | | | | | |
| Phenol | | ug/L | | | | | | | | |
| Phorate | | | | | | | | | | |
| Potassium, total | | | | | | | | | | |
| Pronamide | | | | | | | | | | |
| Propionitrile | | | 3.0 | 1.7 | 2.6 | | 3.2 | | | |
| Pyrene ug/L ug/L | | | | | | | | | | |
| Safrole ug/L vg/L | | | | | | | | | | |
| Selenium, total ug/L v4 v4 v4 v4 v4 v4 v4 v | | ug/L ug/l | | | | | | | | |
| Silver, total ug/L c4 c4 c4 c4 c4 c4 c4 c | | ug/L | <Δ | <1 | <1 | <Δ | <4 | <1 | <Δ | <4 |
| Sodium, total mg/L mg/L 10.3 10.7 11.0 12.0 | | ua/L | | | | | | | | <4 |
| Solids, total dissolved mg/L 955 880 943 1150 | | ma/L | | | | | | | | |
| Solids, total suspended mg/L styrene ug/L styre | | | | | | | | | | |
| Styrene | Solids, total suspended | | | | | | | | | |
| Sulfate | | ug/L | | <1 | | <1 | | <1 | <1 | <1 |
| Tetrachloroethylene | Sulfate | | 17.5 | 13.0 | 9.8 | | 16.7 | | | |
| Thallium, total | | | | | | | | | | |
| Thionazin | | | | | | | | | | <1 |
| Tin, total ug/L | II ' | | <4 | <4 | <1 | <4 | <4 | <4 | <4 | <4 |
| Toluene | | | | | | | | | | |
| Toxaphene ug/L | | | ا مر | | الدر | ا هر | | | | |
| | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Uniquatize unununum unique 100/1 231 371 271 271 311 311 211 271 2 | | | 2.5 | 2.0 | 2.2 | 2.6 | 24 | 2.0 | 2.6 | 2.4 |
| | | | | | | | | | | 2.4 |
| | | | | | | | | | | <1 <5 |
| | | | | | | | | | | 4.3 |
| | | | | | | | | | | 4.3 <1 |
| | | | | | | | | | | <20 |
| | | | | | | | | | | <5 |

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

Table 9

Analytical Data Summary for MW-81

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|---|-------------|------------|------------|------------|------------|----------|-----------|----------|------------|
| Fluorene | <8 | | | | | | | | |
| Gamma-bhc (lindane) | <.05 | | | | | | | | |
| Heptachlor | <.05 | | | | | | | | |
| Heptachlor epoxide | <.05 | | | | | | | | |
| Hexachlorobenzene Hexachlorobutadiene | <.05 <8 | | | | | | | | |
| Hexachlorocyclopentadiene | <8 | | | | | | | | |
| Hexachloroethane | <8 | | | | | | | | |
| Hexachloropropene | <8 | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | <8 | | | | | | | | |
| Isobutanol | <1 | | | | | | | | |
| Isodrin | <8 | | | | | | | | |
| Isophorone | <8 | | | | | | | | |
| Isosafrole | <8 | | | | | | | | |
| Kepone | <8 | | | | | | | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | _ | | | | | | | | |
| Mercury, total | <.5 | | | | | | | | |
| Methacrylonitrile | <1 | | | | 4400 | 0000 | | | |
| Methane | . م | | | | 1160 | 2880 | | | |
| Methapyrilene Methapyrichler | <8 - 05 | | | | | | | | |
| Methoxychlor Methyl iodide | <.05 <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | <1 | <u> </u> | <u> </u> | ~1 | <u> </u> | ~1 | | | |
| Methyl methanesulfonate | <8 | | | | | | | | |
| Methyl parathion | <.4 | | | | | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | <8 | | | | | | | | |
| Nickel, total | 22.0 | 5.0 | 5.6 | 5.9 | 10.3 | 9.5 | 11.5 | 11.9 | 11.2 |
| 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 <8 | | | | | | | | |
| N-nitrosopyrrolidine O,o,o-triethyl phosphorothioate | <.4 | | | | | | | | |
| O-toluidine | <8 | | | | | | | | |
| Parathion | <.4 | | | | | | | | |
| P-dimethylaminoazobenzene | <8 | | | | | | | | |
| Pentachlorobenzene | <8 | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | <8 | | | | | | | | |
| Pentachlorophenol " ′ | <8 | | | | | | | | |
| pH · | | | | | 6.6 | 6.7 | | 6.6 | |
| Phenacetin | <8 | | | | | | | | |
| Phenanthrene | <8 | | | | | | | | |
| Phenol | <8 | | | | | | | | |
| Phorate | <.4 | | | | | | | | |
| Potassium, total | | | | | | | | | |
| Pronamide Pronamitrilo | <8 <10 | | | | | | | | |
| Propionitrile Pyrene | <10 <8 | | | | | | | | |
| Safrole | <8 | | | | | | | | |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Sodium, total | | | | | | | | | "" |
| Solids, total dissolved | | | | | | | | | |
| Solids, total suspended | | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | | | | | | | | | |
| Sulfide, total | <.1 | | | | | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Thionazin | <.4 | | | | | | | | |
| Tin, total | <20 | ا م | ا د. | ا د . | | | | | ا ا |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene Trans-1,2-dichloroethylene | <.2 <1.0 | 2.6 | 2.2 | 2.4 | 4.1 | 1.8 | 1.9 | <1.0 | 2.4 |
| Trans-1,2-dichloroethylene Trans-1,3-dichloropropene | <1.0 <1 | 2.6 <1 | 2.2 <1 | 2.4 <1 | 4.1 <1 | <1.8 | <1.9 | <1.0 | 2.4 <1 |
| Trans-1,3-dichloroproperie | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1.0 | <1.0 | <1.0 | <1.0 | 3.0 | 2.0 | 2.3 | 1.0 | 2.9 |
| Trichlorofluoromethane | <1.0 | <1.0 <1 | <1.0 <1 | <1.0 <1 | 3.0 <1 | <1 | 2.3 | <1.0 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | | <5 | | <5 |

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

Table 9

Analytical Data Summary for MW-81

| Constituents | 4/11/2023 | 10/13/2023 | 4/16/2024 | 10/15/2024 |
|---|-----------|------------|-----------|------------|
| Fluorene | | | | |
| Gamma-bhc (lindane) Heptachlor | | | | |
| Heptachlor epoxide | | | | |
| Hexachlorobenzene | | | | |
| Hexachlorobutadiene | | | | |
| Hexachlorocyclopentadiene Hexachloroethane | | | | |
| Hexachloropropene | | | | |
| Indeno(1,2,3-cd)pyrene | | | | |
| Isobutanol | | | | |
| Isodrin Isophorone | | | | |
| Isosafrole | | | | |
| Kepone | | | | |
| Lead, total Magnesium, total | <4 | <4 | <4 | <4 |
| Magnesium, total Mercury, total | | | | |
| Methacrylonitrile | | | | |
| Methane | | | | 560 |
| Methapyrilene | | | | |
| Methoxychlor Methyl iodide | <1 | <1 | <1 | <1 |
| Methyl methacrylate | '' | ` ' | , , , | |
| Methyl methanesulfonate | | | | |
| Methyl parathion | -E | -E | -E | .E |
| Methylene chloride Naphthalene | <5 | <5 | <5 | <5 |
| Nickel, total | 10.9 | 12.2 | 13.4 | 9.4 |
| 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 | | 6.6 | 6.3 |
| Phenacetin | 0.0 | | 0.0 | 0.3 |
| Phenanthrene | | | | |
| Phenol | | | | |
| Phorate Potassium, total | | | | |
| Pronamide | | | | |
| Propionitrile | | | | |
| Pyrene | | | | |
| Satrole Selenium, total | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 |
| Sodium, total | | - | | - |
| Solids, total dissolved | | | | |
| Solids, total suspended Styrene | <1 | <1 | <1 | <1 |
| Sulfate | | | | `' |
| Sulfide, total | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 |
| Thallium, total Thionazin | <2 | <2 | <2 | <2 |
| Triionazin Tin, total | | | | |
| Toluene | <1 | <1 | <1 | <1 |
| Toxaphene | | | | |
| Trans-1,2-dichloroethylene | 2.2 | 2.5 <1 | 2.2 <1 | 2.4 <1 |
| Trans-1,3-dichloropropene Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 |
| Trichloroethylene | 2.6 | 3.3 | 1.4 | 2.2 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 |
| Vanadium, total Vinyl acetate | <20 <5 | <20 <5 | <20 <5 | <20 <5 |
| Viiiji doctate | | -5 | -5 | |

^{* -} 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 |
|----------------|-------|------------|----------|-----------|-----------|------------|-----------|-----------|-----------|
| Vinyl chloride | ug/L | 9.7 | 12.9 | 8.8 | 15.8 | 20.1 | 16.5 | 13.2 | 13.6 |
| Xylenes, total | ug/L | <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 |

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

Table 9

Analytical Data Summary for MW-81

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|----------------|------------|-----------|------------|-----------|------------|----------|-----------|----------|------------|
| Vinyl chloride | 26.6 | 15.5 | 24.2 | 13.9 | 15.4 | 11.3 | 7.2 | 7.0 | 8.4 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | 15.4 | <20.0 | 20.8 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

| Constituents | 4/11/2023 | 10/13/2023 | 4/16/2024 | 10/15/2024 |
|----------------|-----------|------------|-----------|------------|
| Vinyl chloride | 7.7 | 6.7 | 6.8 | 6.5 |
| Xylenes, total | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | 21.8 | <20.0 | <20.0 |

^{* -} 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 |
|--|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 <1 |
| 1,1-dichloroethylene 1,2,3-trichloropropane | ug/L ug/L | <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 | <1 <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | - <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) 2-hexanone (mbk) | ug/L ug/L | <5 <5 |
| 4-methyl-2-pentanone (mibk) | ug/L ug/L | <5 <5 | <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 |
| Acrylonitrile | ug/L | <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 |
| Arsenic, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Barium, total | ug/L | 138 | 157 | 167 | 143 | 135 | 155 | 149 | 175 | 143 |
| Benzene | ug/L | <1 <4 |
| Beryllium, total Bromochloromethane | ug/L ug/L | <4 <1 |
| Bromodichloromethane | ug/L ug/L | <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | mg/L | 107 | | 101 | | 103 | | 121 | | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloride Chlorobenzene | mg/L ug/L | <10 <1 | <1 | <10 <1 | <1 | <10 <1 | <1 | <1 <1 | <1 | <1 |
| Chloroethane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | <.8 <4.0 |
| Copper, total Dibromochloromethane | ug/L ug/L | <1 | <4.0 <1 | <1 | <4.0 <1 | <4.0 <1 | <4.0 <1 | <1.0 <1 | <4.0 <1 | <4.0 <1 |
| Dibromomethane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| 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 |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Nitrogen, ammonia Potassium, total | mg/L mg/L | <1 2.8 | | <1 1.9 | | <1 2.8 | | <1 4.3 | | |
| Selenium, total | ug/L | 2.6 <4 | <4 | <4 | <4 | 2.6 <4 | <4 | 4.3 <4 | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| 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 |
| Sulfate | mg/L | 14.3 | | 13.6 | | 14.8 | | 14.9 | 24 | 24 |
| Tetrachloroethylene Thallium, total | ug/L ug/L | <1 <4 | <1 <4 | <1 <4 | <1 <4 | <1 <1 | <1 <4 | <1 <4 | <1 <4 | <1 <4 |
| Triallium, total Toluene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L 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 Xylenes, total | ug/L ug/L | <1 <2 |
| Zinc, total | ug/L ug/L | <20.0 | <8.0 | 27.0 | 9.1 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Line, lutai | uy/L | \20.0 | \0.0 | 21.0 | 9.1 | \0.0 | <u>\0.0</u> | \0.0 | \0.0 | \0. 0 |

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

Table 9

Analytical Data Summary for MW-85

| 1,1,2-tetrachloroethane | <pre><1 <1 <</pre> |
|--|---|
| 1,1,2,2-terkanbroethane | <pre><1 <1 <1 <1 <1 <1 <5 <1 <1 <1 <1 <1 <1 <5 <5 <10.0 <5 <4 <133 <4 <1 <1 <1 <4 <1 <1 <1 <4 <1 <1</pre> |
| 1,1,2-trichloroethane | <pre></pre> |
| 1,1-dichloroethylene | <pre><1 <1 <1 <1 <5 <1 <1 <10 <5 <10.0 <10 <10 <10 <10 <10 <10 <10 <10 <10 <1</pre> |
| 1,1-dichloroethylene | <pre><1 <1 <1 <1 <1 <1 <1 <1 <10 <55 <10.0 <55 <10.0 <5 <14 <133 <1 <4 <1 <1</pre> |
| 1,2,3-trichloropropane | <pre></pre> |
| 1,2-dibromo-3-chloropropane | <pre></pre> |
| 1,2-dibromoethane | <pre><1 <1 <1 <10 <10 <55 <10.0 <55 <10.0 <5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0</pre> |
| 1,2-dichlorobenzene | <pre><1 <1 <1 <10 <5 <5 <10.0 <5 <4 133 <1 <4 <1 <1 <1 <4 <1 <1 <4 <1 <1 <1 <4 <1 <1</pre> |
| 1,2-dichloroethane | <pre><1 <1 <1 <10 <5 <5 <10.0 <5 <4 133 <1 <4 <1 <1 <28 <1</pre> |
| 1,2-dichloropropane | <pre><1 <1 <10 <10 <5 <5 <10.0 <5 <4 133 <1 <1</pre> |
| 1,4-dichlorobenzene | <1 <10 <5 <5 <10.0 <5 <2 <4 133 <1 <4 <1 <1 <1 <1 <5 <1 <5 <4 <4 <1 <5 <5 <4 <5 <5 <4 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 |
| 2-butanone (mek) | <10 <5 <10.0 <5 <10.0 <5 <4 133 <1 <4 <1 <1 <1 <8 <5 <7 <7 |
| 2-hexanone (mbk) | <pre><5 <5 <10.0 <5 <2 <4 133 <1 <4 <1 <1 <1 <8 <</pre> |
| 4-methyl-2-pentanone (mibk) | <5 <10.0 <5 <2 <4 133 <1 <4 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 |
| Acetone | <10.0 <5 <2 <4 133 <1 <4 <1 <1 <1 <8 <4 |
| Acrylonitrile | <5 <2 <4 133 <1 <4 <1 <1 <1 <1 <8 <<8 <1 |
| Alkalinity, as caco3 Antimony, total | <2 <4 133 <1 <4 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 |
| Antimony, total | <pre><4 133 <1 <4 <1 <1 <1 <1 <2.8 <</pre> |
| Arsenic, total | <pre><4 133 <1 <4 <1 <1 <1 <2 <1 <1 <2 <1 <1 <2 <1 <1</pre> |
| Barium, total 142 146 152 126 160 151 135 121 Benzene | <1 <4 <1 <1 <1 <1 <.8 |
| Benzene | <1 <4 <1 <1 <1 <1 <.8 |
| Bromochloromethane | <1 <1 <1 <1 <.8 |
| Bromodichloromethane | <1 <1 <1 <.8 |
| Bromoform | <1 <1 <.8 <1 |
| Bromomethane | <1 <.8 |
| Cadmium, total Calcium, total Calcium, total Calcium, total Calcium, total Carbon disulfide Carbon tetrachloride Carbon t | <.8 <1 |
| Calcium, total Carbon disulfide Carbon tetrachloride Carbon | <1 |
| Carbon disulfide <1 | - 11 |
| Carbon tetrachloride <1 <1 <1 <1 <1 <1 | - 11 |
| | <1 |
| | וויר |
| Chloride | . |
| Chlorobenzene <1 <1 <1 <1 <1 <1 <1 | <1 |
| Chloroethane | <1 |
| Chloroform <1 <1 <1 <1 <1 <1 <1 < | <1 |
| Chloromethane <1 <1 <1 <1 <1 <1 <1 < | <1 <8 |
| Circlinian, total Cis-1,2-dichloroethylene | <1 |
| Cis-1,2-dichloropropene Ci Ci Ci Ci Ci Ci Ci C | <1 |
| Cobalt, total <8 <8 <8 <4 <4 <4 | <.4 |
| Copper, total <4.0 4.8 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 | <4.0 |
| Dibromochloromethane | <1 |
| Dibromomethane <1 <1 <1 <1 <1 <1 <1 | <i< td=""></i<> |
| Ethylbenzene <1 <1 <1 <1 <1 <1 <1 | <1 |
| Lead, total <4 <4 <4 <4 <4 <4 <4 <4 | <4 |
| Magnesium, total | |
| Methyl iodide <1 | <1 |
| Methýlene chloride <5 <5 <5 <5 <5 <5 | <5 |
| Nickel, total <4.0 20.6 <4.0 <4.0 <4.0 <4.0 <4.0 | <4.0 |
| Nitrogen, ammonia | |
| Potassium, total | |
| Selenium, total <4 <4 <4 <4 <4 <4 <4 | <4 |
| Silver, total <4 <4 <4 <4 <4 <4 <4 < | <4 |
| Sodium, total | |
| Solids, total dissolved | |
| Solids, total suspended | , |
| Styrene | <1 |
| Sulfate | <1 |
| Tetrachloroethylene | <2 |
| Traillum, total | <2 <1 |
| Trans-1,2-dichloroethylene <1 <1 <1 <1 <1 <1 <1 < | <1 |
| Trans-1,2-dichloropropene <1 <1 <1 <1 <1 <1 <1 < | <1 |
| Trans-1,4-dichloro-2-butene <5 <5 <5 <5 <5 <5 | <5 |
| Trichloroethylene <1 <1 <1 <1 <1 <1 | <1 |
| Trichlorofluoromethane | <1 |
| Transformation Color Col | <20 |
| Variation (vota) | <5 |
| Vinyl acctance | <1 |
| | <2 |
| Zinc, total <8.0 125.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 | <20.0 |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-85

| Constituents | 10/25/2022 | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|---|------------|-----------|------------|-----------|------------|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,2-dichloroethane 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <10 | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 |
| Alkalinity, as caco3 | | | | - | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | <4 | <4 | <4 | <4 | <4 |
| Barium, total | 138 | 141 | 143 | 144 | 136 |
| Benzene | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 |
| Chloride | -4 | -4 | -4 | -4 | -4 |
| Chlorobenzene | <1 <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 |
| Chloromethane Chromium, total | <1 <8 | <1 <8 | <1 <8 | <1 <8 | <1 <8 |
| Ciromium, total Cis-1,2-dichloroethylene | <0 <1 | <0 <1 | <0 <1 | <0 <1 | <0 <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | <.4 | <.4 | <.4 | .4 | <.4 |
| Copper, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Nitrogen, ammonia | | | | | |
| Potassium, total | | | | | |
| Selenium, total | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 |
| Sodium, total | | | | | |
| Solids, total dissolved | | | | | |
| Solids, total suspended | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 |
| Sulfate | أندر | | امر | | ا در |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 |
| Thallium, total Toluene | <2 <1 | <2 <1 | <2 <1 | <2 <1 | <2 <1 |
| Trans-1,2-dichloroethylene | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Trans-1,2-dichloropropene | <1 <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 |
| Vinyl acetate Vinyl chloride | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |
| / | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |

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

Table 9

Analytical Data Summary for MW-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 |
|---|--------------|------------|------------|------------|-----------|------------|-----------|-----------|------------|
| 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 | <1 <1 | <1 <1 | <1 <1 |
| 1,1-dichloroethylene | ug/L ug/L | <1 | <1 <1 | <1 <1 | <1 <1 | <1 | <1 <1 | <1 | <1 |
| 1,1-dicfiloroethylefie | ug/L 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 | <5 <5 | <5 <5 | <5 <5 | <5 <5 |
| 2-hexanone (mbk) 4-methyl-2-pentanone (mibk) | ug/L ug/L | <5 <5 | <5 | <5 <5 | <5 | <5 <5 | <5 | <5 <5 | <5 <5 |
| Acetone | ug/L ug/L | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 18.4 | <10.0 |
| Acrylonitrile | ug/L | <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 |
| Arsenic, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Barium, total | ug/L | 138 | 129 | 154 | 132 | 135 | 128 | 110 | 124 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Bis(2-ethylhexyl) phthalate Bromochloromethane | ug/L | <10 <1 | <10 <1 | <10 <1 | <10 <1 | <10 <1 | <10 <1 | <1 | |
| Bromocnioromethane | ug/L ug/L | <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 | <1 <1 |
| Bromoform | ug/L 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 | 121 | 125 | 104 | | 124 | | | |
| 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 | <10.0 | <10.0 | <10.0 | | 1.5 | | | |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 <1 | <1 | <1 | <1 <1 | <1 |
| Chloroform Chloromethane | ug/L ug/L | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 | <1 <1 |
| Chromium, total | ug/L 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 | <.8 | <.8 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 <4 | <1 | <1 | <1 <4 | <1 <4 | <1 | <1 | <1 |
| Lead, total Magnesium, total | ug/L mg/L | 28.6 | <4 27.1 | <4 25.1 | \4 | 27.9 | <4 | <4 | <4 |
| Methyl iodide | ug/L | <1 | <1 | 23.1 <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 | 3.5 | 3.0 | 3.4 | | 3.8 | | | |
| Selenium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Sodium, total | mg/L | 18.7 | 17.5 | 17.1 | | 19.7 | | | |
| Solids, total dissolved | mg/L | 439 | 419 | 457 | | 443 | | | |
| Solids, total suspended Styrene | mg/L ug/L | 3 <1 | 3 <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | mg/L | 91.2 | 85.7 | 85.1 | `' | 95.2 | ~1 | | `` |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <4 | <4 | <1 | <4 | <4 | <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 Trichlorofluoromethane | ug/L | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 |
| Vanadium, total | ug/L ug/L | <1 <20 | <1 <20 | <1 <20 | <1 <20 | <1 <20 | <1 <20 | <1 <20 | <1 <20 |
| Variadidiff, total Vinyl acetate | ug/L ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L 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 |
| Zinc, total | ug/L | <20 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-87

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|---|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 <1 | <1 | <1 | <1 | <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,1,2-trichloroethane 1,1-dichloroethane | <1 <1 | <1 <1 | <1 <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 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <1 | - <1 | <1 | - <5 | - <5 | <5 | - <5 | - <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <10 | <1 <10 |
| 2-butanone (mek) 2-hexanone (mbk) | <5 <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 <5 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Alkalinity, as caco3 | | | | | | | | | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Barium, total | 120 | 131 | 125 | 121 | 125 | 107 | 109 | 104 | 120 |
| Benzene Bondlium total | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total Bis(2-ethylhexyl) phthalate | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | | | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | - <1 | <1 | <1 | <1 | - <1 | <1 | · <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | <8 | <8 | <8> | <8 | <8 | <8 | <8> | <8 | <8 |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total Copper, total | <.8 <4 | <.8 <4 | <.8 <4 | <.4 <4 | <.4 <4 | <.4 <4 | <.4 <4 | <.4 <4 | <.4 <4 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | | | | | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total Nitrogen, ammonia | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Potassium, total | | | | | | | | | |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <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 |
| Sulfate Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <4 | <1 <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Toluene | <1 | <1 | <1 | <2 <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | · <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride Xylenes, total | <1 <2 | <1 <2 | <1 <2 | <1 <2 | <1 <2 | <1 <2 | <1 <2 | <1 <2 | <1 <2 |
| Zinc, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 <20 |
| Emo, total | `20 | `~20 | `20 | ٠٤٥ | `20 | `~20 | `~20 | `~20 | `~20 |

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

Table 9

Analytical Data Summary for MW-87

| 1,1,1,2-tetrachloroethane | <1 | <1 | | l l |
|---|-----------|-----------|-----------|------------|
| | | * 1 | <1 | <1 |
| .,.,. | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,2,3-trichloropropane 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) 4-methyl-2-pentanone (mibk) | <5 <5 | <5 <5 | <5 <5 | <5 <5 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 | <5 |
| Alkalinity, as caco3 | | - | - | |
| Antimony, total | <2 | <2 | <2 | <2 |
| Arsenic, total | <4 | <4 | <4 | <4 |
| Barium, total | 115 | 104 | 117 | 100 |
| Benzene Benzelium tetal | <1 <4 | <1 <4 | <1 <4 | <1 |
| Beryllium, total Bis(2-ethylhexyl) phthalate | <4 | <4 | <4 | <4 |
| Bromochloromethane | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 |
| Carbon tetrachloride Chloride | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 |
| Chromium, total | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene Cobalt, total | <1 <.4 | <1 <.4 | <1 <.4 | <1 <.4 |
| Copper, total | <4 | <4 | <4 | <4 |
| Dibromochloromethane | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 |
| Magnesium, total | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 |
| Methylene chloride Nickel, total | <5 <4 | <5 <4 | <5 <4 | <5 <4 |
| Nitrogen, ammonia | ~4 | \4 | \4 | ~4 |
| Potassium, total | | | | |
| Selenium, total | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 |
| Sodium, total | | | | |
| Solids, total dissolved | | | | |
| Solids, total suspended | <1 | <1 | <1 | <1 |
| Styrene Sulfate | <u> </u> | <1 | <1 | ~ 1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 |
| Thallium, total | <2 | <2 | <2 | <2 |
| Toluene | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 -1 | <5 | <5 |
| Trichloroethylene Trichlorofluoromethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Vanadium, total | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 |
| Zinc, total | <20 | <20 | <20 | <20 |

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

Table 9

Analytical Data Summary for MW-89

| 1.1.12-betanchromehane | 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 |
|--|-------------------|-------|------------|----------|-----------|-----------|------------|-----------|-----------|--------------|
| 1.1.2-bitchroorebane Ugl. | | | | | | | | - | | |
| 1,1,2-inhorosehane | 11 ' ' | | | | | | | | | |
| 1.1-dichicroenblyone | | | | | | | | | | |
| 1,1-dichropethylene ug/L c1 c1 c1 c1 c1 c1 c1 c | | | | | | | | | | |
| 1,2,3-lichicropropane ug L 1 1 1 1 1 1 1 1 1 | | | | | | | - | - | | - 1 |
| 1,2-distromos-chiloropropens ug L | | | | - 1 | | | | - | | |
| 1,2-dischromethane | | | | | | | | | | |
| 1,2-dichloroprapane Ug/L 41 41 41 41 41 41 41 4 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | | | | | | | | | | |
| 1.4-dichlorobenzene | | | | | | | | | | |
| 2-butanone (mek) | | | | | | | | | | |
| 2-hexanone (mbk) | | | | | | | | | | |
| 4-methyl-2-pientanone (mibk) ug/L c5 c5 c5 c5 c5 c5 c5 c | | | | | | | | | | |
| Acetone | | | | | | | | | | |
| Acytomitrile | | | | | | | | | | |
| Alkfaintly, as caoo3 | | | | | | | | | | |
| Assentic, total Ug/L C4 C4 C4 C4 C4 C4 C4 C | | | | | | | | | | |
| Barfum, total Ug/L 329 356 330 323 317 309 295 228 Benzene Ug/L <1 <1 <1 <1 <1 <1 <1 < | Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Benzene | | | | | | | | | | |
| Beryllium, total Ug/L C4 C4 C4 C4 C4 C4 C4 C | II ' | | | | | | | | | |
| Bis(2-ethylexyl) phthalate ug/L c10 c10 c10 c10 stromochromethane ug/L c1 c1 c1 c1 c1 c1 c1 c | III | | | | | | | | | |
| Bromoch/formethane | | | | <4 | | | | | <4 | <4 |
| Bromotichloromethane | | | - | -1 | | | - | - | | |
| Bromoform Ug/L <1 <1 <1 <1 <1 <1 <1 < | | | | | | | - 1 | | | |
| Brommethane | | | | - 1 | | | - | | | |
| Cadnium, total | | | | - 1 | | | | | | |
| Calcium, total | III | | | | | | | | | |
| Carbon tetrachloride | Calcium, total | | 94.7 | 102.0 | 84.4 | | 105.0 | | | |
| Chloride | | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | | | | | <1 | | <1 | <1 | <1 |
| Chloroethane | III = | | | | | | | | | . |
| Chloroform | | | | | | | - | | | |
| Chloromethane | | | | | | | | | | |
| Chromium, total Ug/L Chromium, total Chromium, total Ug/L Chromium, total Chromium, total Chromium, total Chromium, total Chromium, total Ug/L Chromium, total Chromium, total Ug/L Chromium, total Chromium, total Ug/L Chromium, total Chromium, total Ug/L Chromium, total Chromium, total Ug/L Chromium, total Ug/L Chromium, total Chromium, total Ug/L Chromium, total Chromium, total Ug/L Chromium, total Ug/L Chromium, total Chromium, tot | | | | | | | | | | |
| Cis-1,2-dichloroethylene ug/L c1 c1 c1 c1 c1 c1 c1 c | III = | | | | | | | | | |
| Cis-1,3-dichloropropene | | | | | | | | | | |
| Cobbatt, total Ug/L Cobbatt, Copper, total Ug/L Cobbatt, Copper, total Ug/L Cobbatt, Copper, total Cobbatt, Copper, total Ug/L Cobbatt, Cob | | | | - 1 | | | | | | |
| Dibromochloromethane | | | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Dibromomethane | | ug/L | | | | | | | | |
| Ethylbenzene | | | | - 1 | | | - | | | |
| Lead, total | | | | | | | | | | |
| Magnesium, total mg/L 33.5 33.0 31.1 37.2 Methyloidide ug/L <1 <1 <1 <1 <1 <1 <1 < | 11 , | | | | | | | | | |
| Methyliodide | | | | | | \4 | | \4 | \4 | \ ^ 4 |
| Methylene chloride | | | | | | <1 | | <1 | <1 | <1 |
| Nickél, total Nickél, tota | | | | | | | | | | |
| Nitrogen, ammonia mg/L x1 x1 x1 x1 x1 x2 x2 x2 | | | | | | | | | | |
| Selenium, total Ug/L C4 C4 C4 C4 C4 C4 C4 C | Nitrogen, ammonia | mg/L | | | | | | | | |
| Silver, total Ug/L C4 C4 C4 C4 C4 C4 C4 C | | | | | | | | | | |
| Sodium, total mg/L mg/L 407 353 384 320 Solids, total dissolved mg/L 407 353 384 320 Solids, total suspended mg/L 407 353 384 320 Solids, total suspended mg/L 87 5 Styrene ug/L 41 41 41 41 41 41 41 4 | | | | | | | | | | |
| Solids, total dissolved mg/L 87 55 55 55 55 55 55 55 | | | | | | <4 | | <4 | <4 | <4 |
| Solids, total suspended mg/L ug/L v1 v1 v1 v1 v1 v1 v1 v | | | | | | | | | | |
| Styrene Ug/L C1 C1 C1 C1 C1 C1 C1 C | | | | | 304 | | 320 | | | |
| Sulfate | | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | | | | | | ., | | • | '' | `∥ |
| Thallium, total | | | | | | <1 | | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene ug/L <1 <1 <1 <1 <1 <1 <1 < | | ug/L | | | | | | | | |
| 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 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <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 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td></td> | | | | | | | | | | |
| Trichlorofluoromethane ug/L <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <2 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 | | | | | | | | - | | |
| Vanadium, total ug/L <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 | | | | | | | | | | |
| Vinyl acetate ug/L <5 | III | | | | | | | | | |
| Vinyl chloride ug/L <1 | | | | | | | | | | |
| Xylénes, total ug/L <2 <2 <2 <2 <2 <2 <2 < | | | | | | | | | | |
| | | | | | | | | | | |
| | Zinc, total | ug/L | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-89

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|---|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <1 | <1 | <1 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 <1 | <1 <1 | <1 <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 |
| 1,2-dichloroethane 1,2-dichloropropane | <1 <1 | <1 | <1 <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Alkalinity, as caco3 | | | | · · | · · | · · | | | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Barium, total | 255 | 336 | 352 | 311 | 336 | 263 | 298 | 219 | 242 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Bis(2-ethylhexyl) phthalate | | | | | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | | | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloride | | | | | | | _ | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 <8 | <1 | <1 | <1 |
| Chromium, total | <8 <1 | <8 <1 | <8 <1 | <8 <1 | <8 <1 | <8 <1 | <8 <1 | <8 <1 | <8 <1 |
| Cis-1,2-dichloroethylene Cis-1,3-dichloropropene | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | <.8 | <.8 | <.8 | <.4 | <.4 | <.4 | <.4 | <.4 | <.4 |
| Copper, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | | · | | • | · | | • | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Nitrogen, ammonia | | | | | | | | | |
| Potassium, total | | | | | | | | | |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <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 |
| Sulfate | . | | . | | | | | | . |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | - 1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 <1 | <5 | <5 | <5 | <5 | <5 <1 | <5 | <5 | <5 <1 |
| Trichloroethylene Trichlorofluoromethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vanadium, total Vinyl acetate | <20 <5 | <20 <5 | <20 <5 | <20 <5 | <20 <5 | <20 <5 | <20 <5 | <20 <5 | <20 <5 |
| Vinyl acetate Vinyl chloride | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Line, total | ~20 | ~20 | ~20 | ~20 | -20 | `~20 | 120 | `~20 | ~20 |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-89

| Constituents | 4/11/2023 | 11/9/2023 | 4/16/2024 | 10/15/2024 |
|---|-----------|-----------|-----------|------------|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 <1 | <1 <1 |
| 1,2,3-trichloropropane 1,2-dibromo-3-chloropropane | <1 <5 | <1 <5 | <1 <5 | <1 <5 |
| 1,2-dibromo-3-chloropropane | <5 <1 | <5 <1 | <5 <1 | <5 <1 |
| 1,2-dibromoetrarie | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 | <5 |
| Alkalinity, as caco3 | | | | |
| Antimony, total | <2 | <2 | <2 | <2 |
| Arsenic, total | <4 | <4 | <4 | <4 |
| Barium, total | 214 | 257 | 240 | 215 |
| Benzene | <1 | <1 | <1 | <1 |
| Beryllium, total | <4 | <4 | <4 | <4 |
| Bis(2-ethylhexyl) phthalate Bromochloromethane | <1 | <1 | <1 | <1 |
| Bromocniorometnane Bromodichloromethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Bromoform | <1 <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | ٠.٥ | ٠.٥ | ٠.٥ | 1.0 |
| Carbon disulfide | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 |
| Chloride | • | | • | |
| Chlorobenzene | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 |
| Chromium, total | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Cobalt, total | <.4 | <.4 | <.4 | <.4 |
| Copper, total | <4 | <4 | <4 | <4 |
| Dibromochloromethane | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 <4 | <1 <4 | <1 | <1 |
| Lead, total | <u> </u> | \4 | <4 | <4 |
| Magnesium, total Methyl iodide | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 |
| Nickel, total | <4 | <4 | <4 | <4 |
| Nitrogen, ammonia | "" | ~4 | ~* | ~* |
| Potassium, total | | | | |
| Selenium. total | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 |
| Sodium, total | | | | |
| Solids, total dissolved | | | | |
| Solids, total suspended | | | | |
| Styrene | <1 | <1 | <1 | <1 |
| Sulfate | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 |
| Thallium, total | <2 | <2 | <2 | <2 |
| Toluene | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 |
| Vinyl acetate Vinyl chloride | <5 <1 | <5 <1 | <5 <1 | <5 <1 |
| Xylenes, total | <2 | <2 | <2 | <2 |
| Zinc, total | <20 | <20 | <20 | <20 |
| | -20 | -20 | -20 | -20 |

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

Table 9

Analytical Data Summary for 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 |
|---|--------------|------------|------------|-----------|------------|------------|-----------|-----------|-----------|
| (3 4)-methylphenol | ug/L | | | | | | | | |
| 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 | 2.4 | 6.1 | 3.6 | <1.0 | <1.0 | <1.0 | | 2.5 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,1-dichloropropene | ug/L | | | | | | | | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | | | | | | |
| 1,2,4-trichlorobenzene 1,2-dibromo-3-chloropropane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1.2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,2-dinitrobenzene | ug/L | | | | | | | | |
| 1,3,5-trinitrobenzene | ug/L | | | | | | | | |
| 1,3-dichlorobenzene | ug/L | | | | | | | | |
| 1,3-dichloropropane | ug/L | | | | | | | | |
| 1,3-dinitrobenzene | ug/L | | | | | | | | |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,4-naphthoquinone | ug/L | | | | | | | | |
| 1,4-phenylenediamine | ug/L | | | | | | | | |
| 1-naphthylamine | ug/L | | | | | | | | |
| 2,2-dichloropropane 2,3,4,6-tetrachlorophenol | ug/L ug/L | | | | | | | | |
| 2,3,4,6-tetrachiorophenoi 2,4,5-t | ug/L ug/L | | | | | | | | |
| 2,4,5-t 2,4,5-tp (silvex) | ug/L ug/L | | | | | | | | |
| 2,4,5-tp (Silvex) | ug/L ug/L | | | | | | | | |
| 2,4,6-trichlorophenol | ug/L | | | | | | | | |
| 2,4-d | ug/L | | | | | | | | |
| 2,4-dichlorophenol | ug/L | | | | | | | | |
| 2,4-dimethylphenol | ug/L | | | | | | | | |
| 2,4-dinitrophenol | ug/L | | | | | | | | |
| 2,4-dinitrotoluene | ug/L | | | | | | | | |
| 2,6-dichlorophenol | ug/L | | | | | | | | |
| 2,6-dinitrotoluene | ug/L | | | | | | | | |
| 2-acetylaminofluorene | ug/L | _ | _ | _ | _ | _ | _ | | _ |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | <5 |
| 2-chloronaphthalene | ug/L | | | | | | | | |
| 2-chlorophenol 2-hexanone (mbk) | ug/L ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | <5 |
| 2-methylnaphthalene | ug/L ug/L | \3 | \ 5 | ~5 | \ 5 | \ | \ \ | | \3 |
| 2-methylphenol | ug/L | | | | | | | | |
| 2-naphthylamine | ug/L | | | | | | | | |
| 2-nitroaniline | ug/L | | | | | | | | |
| 2-nitrophenol | ug/L | | | | | | | | |
| 3,3´-dichlorobenzidine | ug/L | | | | | | | | |
| 3,3'-dimethylbenzidine | ug/L | | | | | | | | |
| 3-methylcholanthrene | ug/L | | | | | | | | |
| 3-nitroaniline | ug/L | | | | | | | | |
| 4,4´-ddd | ug/L | | | | | | | | |
| 4,4´-dde | ug/L | | | | | | | | |
| 4,4′-ddt | ug/L | | | | | | | | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | | | | | |
| 4-aminobiphenyl | ug/L | | | | | | | | |
| 4-bromophenyl phenyl ether 4-chloro-3-methylphenol | ug/L | | | | | | | | |
| 4-chloroaniline | ug/L ug/L | | | | | | | | |
| 4-chlorophenyl phenyl ether | ug/L ug/L | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | <5 |
| 4-nitroaniline | ug/L | | -5 | -5 | -5 | | | | |
| 4-nitrophenol | ug/L | | | | | | | | |
| 5-nitro-o-toluidine | ug/L | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | | | | | |
| Acenaphthene | ug/L | | | | | | | | |
| Acenaphthylene | ug/L | | | | | | | | |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | | <10 |
| Acetonitrile | ug/L | | | | | | | | |
| Acetophenone | ug/L | | | | | | | | |
| Acrolein | ug/L | _ | _ | _ | _ | _ | _ | | _ |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | <5 |
| Alkalinity as assa? | ug/L | 404 | | 550 | | 200 | | | |
| Alkalinity, as caco3 Allyl chloride | mg/L | 464 | 559 | 559 | | 382 | | | |
| Allyl chloride Alpha-bhc | ug/L ug/L | | | | | | | | |
| [Alpha-billo | l ug/L | l | | | | | I | | |

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

Table 9

Analytical Data Summary for MW-91

| Constituents | 1/9/2018 | 4/17/2018 | 7/2/2018 | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 1/7/2021 |
|---|----------|-----------|----------|------------|-----------|------------|-----------|------------|----------|
| (3 4)-methylphenol | | | | <8 | | | _ | | |
| 1,1,1,2-tetrachloroethane | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| 1,1,1-trichloroethane | | <1 | | <1 | <1 | <1 <1 | <1 | <1 | |
| 1,1,2,2-tetrachloroethane | | <1 <1 | | <1 <1 | <1 <1 | <1 | <1 <1 | <1 <1 | |
| 1,1,2-inchloroethane | 1.7 | <1.0 | | <1.0 | 2.7 | <1.0 | <1.0 | 1.5 | |
| 1,1-dichloroethylene | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloropropene | | | | <1 | | | | · | |
| 1,2,3-trichloropropane | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| 1,2,4,5-tetrachlorobenzene | | | | <8 | | | | | |
| 1,2,4-trichlorobenzene | | | | <1 | | | _ | _ | |
| 1,2-dibromo-3-chloropropane | | <1 | | <1 | <1 | <1 | <5 | <5 | |
| 1,2-dibromoethane 1,2-dichlorobenzene | | <1 <1 | | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | |
| 1,2-dichloroethane | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichloropropane | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dinitrobenzene | | | | <8 | | | | | |
| 1,3,5-trinitrobenzene | | | | <8 | | | | | |
| 1,3-dichlorobenzene | | | | <1 | | | | | |
| 1,3-dichloropropane | | | | <1 | | | | | |
| 1,3-dinitrobenzene | | -4 | | <8 | | -4 | | | |
| 1,4-dichlorobenzene 1,4-naphthoquinone | | <1 | | <1 <8 | <1 | <1 | <1 | <1 | |
| 1,4-naphthoquinone 1,4-phenylenediamine | | | | <8 | | | | | |
| 1,4-phenylenediamine | | | | <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 2,4-d | | | | <8 <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) 2-chloronaphthalene | | <5 | | <5 <8 | <5 | <5 | <5 | <5 | |
| 2-chlorophenol | | | | <8 | | | | | |
| 2-hexanone (mbk) | | <5 | | <5 | <5 | <5 | <5 | <5 | |
| 2-methylnaphthalene | | | | <8 | - | _ | | _ | |
| 2-methylphenol | | | | <8 | | | | | |
| 2-naphthylamine | | | | <8 | | | | | |
| 2-nitroaniline | | | | <8 | | | | | |
| 2-nitrophenol 3,3´-dichlorobenzidine | | | | <8 <8 | | | | | |
| 3,3'-dimethylbenzidine | | | | <8 | | | | | |
| 3-methylcholanthrene | | | | <8 | | | | | |
| 3-nitroaniline | | | | <8 | | | | | |
| 4,4´-ddd | | | | <.05 | | | | | |
| 4,4´-dde | | | | <.05 | | | | | |
| 4,4'-ddt | | | | <.05 | | | | | |
| 4,6-dinitro-2-methylphenol | | | | <8 <8 | | | | | |
| 4-aminobiphenyl 4-bromophenyl phenyl ether | | | | <8 <8 | | | | | |
| 4-chloro-3-methylphenol | | | | <8 | | | | | |
| 4-chloroaniline | | | | <8 | | | | | |
| 4-chlorophenyl phenyl ether | | | | <8 | | | | | |
| 4-methyl-2-pentanone (mibk) | | <5 | | <5 | <5 | <5 | <5 | <5 | |
| 4-nitroaniline | | | | <8 | | | | | |
| 4-nitrophenol | | | | <8 | | | | | |
| 5-nitro-o-toluidine 7,12-dimethylbenz(a)anthracene | | | | <8 <8 | | | | | |
| 7,12-dimethylbenz(a)anthracene Acenaphthene | | | | <8 | | | | | |
| Acenaphthylene | | | | <8 | | | | | |
| Acetone | | <10 | | <10 | <10 | <10 | <10 | <10 | |
| Acetonitrile | | | | <10 | | | | | |
| Acetophenone | | | | <8 | | | | | |
| Acrolein | | | | <10 | | | | | |
| Acrylonitrile | | <5 | | <5 | <5 | <5 | <5 | <5 | |
| Allerin | | | | <.05 | | | | | |
| Alkalinity, as caco3 Allyl chloride | | | | <1 | | | | | |
| Allyl chloride Alpha-bhc | | | | <.05 | | | | | |
| , up.i.d bito | | | | 00 | | | | 1 | |

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

Table 9

Analytical Data Summary for MW-91

| Constituents | 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 <1 |
| 1,1,1,1-inchloroethane | <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-dichloroethane | <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-dichloropropene | | -1 | | -1 | | <1 | -1 | -1 |
| 1,2,3-trichloropropane 1,2,4,5-tetrachlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 <8 | <1 | <1 |
| 1,2,4-trichlorobenzene | | | | | | <1 | | |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,2-dichloroethane 1,2-dichloropropane | <1 | <1 | <1 <1 | <1 <1 | <1 <1 | <1 | <1 <1 | <1 |
| 1,2-dinitrobenzene | '' | - ' | '' | - 1 | ` ' | <8 | - 1 | '' |
| 1,3,5-trinitrobenzene | | | | | | <8 | | |
| 1,3-dichlorobenzene | | | | | | <1 | | |
| 1,3-dichloropropane | | | | | | <1 | | |
| 1,3-dinitrobenzene | <1 | <1 | <1 | <1 | <1 | <8 <1 | <1 | <1 |
| 1,4-naphthoguinone | `' | ` | `' | 31 | `` | <8 | ` ' | - 1 |
| 1,4-phenylenediamine | | | | | | <8 | | |
| 1-naphthylamine | | | | | | <8 | | |
| 2,2-dichloropropane | | | | | | <1 | | |
| 2,3,4,6-tetrachlorophenol 2,4,5-t | | | | | | <8 <.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 <8 | | |
| 2,4-dimethylphenol | | | | | | <8 | | |
| 2,4-dinitrotoluene | | | | | | <8 | | |
| 2,6-dichlorophenol | | | | | | <8 | | |
| 2,6-dinitrotoluene | | | | | | <8 | | |
| 2-acetylaminofluorene | | | -10 | -10 | -40 | <8 | -10 | -10 |
| 2-butanone (mek) 2-chloronaphthalene | <5 | <5 | <10 | <10 | <10 | <5 <8 | <10 | <10 |
| 2-chlorophenol | | | | | | <8 | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | | | <8 | | |
| 2-methylphenol | | | | | | <8 <8 | | |
| 2-naphthylamine 2-nitroaniline | | | | | | <8 | | |
| 2-nitrophenol | | | | | | <8 | | |
| 3,3´-dichlorobenzidine | | | | | | <8 | | |
| 3,3'-dimethylbenzidine | | | | | | <8 | | |
| 3-methylcholanthrene | | | | | | <8 <8 | | |
| 3-nitroaniline 4,4'-ddd | | | | | | <.05 | | |
| 4,4'-ddd 4,4'-dde | | | | | | <.05 | | |
| 4,4'-ddt | | | | | | <.05 | | |
| 4,6-dinitro-2-methylphenol | | | | | | <8 | | |
| 4-aminobiphenyl | | | | | | <8 | | |
| 4-bromophenyl phenyl ether 4-chloro-3-methylphenol | | | | | | <8 <8 | | |
| 4-chloroaniline | | | | | | <8 | | |
| 4-chlorophenyl phenyl ether | | | | | | <8 | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | | | <8 | | |
| 4-nitrophenol 5-nitro-o-toluidine | | | | | | <8 <8 | | |
| 7,12-dimethylbenz(a)anthracene | | | | | | <8 | | |
| Acenaphthene | | | | | | <8 | | |
| Acenaphthylene | | | | | | <8 | | |
| Acetone | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acetonitrile Acetophenone | | | | | | <10 <8 | | |
| Acetophenone Acrolein | | | | | | <8 <10 | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | | | | | | <.05 | | |
| Alkalinity, as caco3 | | | | | | | | |
| Allyl chloride Alpha-bhc | | | | | | <1 <.05 | | |
| 7 upria-bilo | | | | | | ₹.00 | | |

^{* -} 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 |
|---|--------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Anthracene | ug/L | | | | | | | | |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| Arochlor 1016 | ug/L | | | | | | | | |
| Arochlor 1221 | ug/L | | | | | | | | |
| Arochlor 1232 | ug/L | | | | | | | | |
| Arochlor 1242 | ug/L | | | | | | | | |
| Arochlor 1248 | ug/L | | | | | | | | |
| Arochlor 1254 | ug/L | | | | | | | | |
| Arochlor 1260 | ug/L | | | | | | | | |
| Arsenic, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | | 4 |
| Azobenzene | ug/L | | | | | | | | |
| Barium, total | ug/L | 266 | 303 | 348 | 162 | 255 | 162 | | 663 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Benzo(a)anthracene | ug/L | | | | | | | | |
| Benzo(a)pyrene | ug/L | | | | | | | | |
| Benzo(b)fluoranthene | ug/L | | | | | | | | |
| Benzo(g,h,i)perylene | ug/L | | | | | | | | |
| Benzo(k)fluoranthene | ug/L | | | | | | | | |
| Benzyl alcohol | ug/L | -4 | -4 | -4 | | | | | -4 |
| Beryllium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | | <4 |
| Beta-bhc | ug/L | | | | | | | | |
| Bis (2-chloroethoxy) methane | ug/L | | | | | | | | |
| Bis(2-chloroethyl) ether | ug/L | | | | | | | | |
| Bis(2-chloroisopropyl) ether Bis(2-ethylhexyl) phthalate | ug/L ug/L | <10 | <10 | <10 | <10 | <10 | <10 | | |
| Bromochloromethane | | <10 | <10 <1 | <10 <1 | <10 | <10 | <10 | | <1 |
| Bromodichloromethane | ug/L ug/L | <1 | <1 <1 | <1 | <1 | <1 | <1 | | <1 |
| Bromoform | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Bromomethane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Butyl benzyl phthalate | ug/L | ` ' | ` ' | | `' |] '' | `' | | |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | | <.8 |
| Calcium. total | mg/L | 119 | 140 | 132 | 1.0 | 120 | 1.0 | | 1.0 |
| Carbon disulfide | ug/L | <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 |
| Chlordane | ug/L | • | · | • | | | | | |
| Chloride | mg/L | 13 | 18 | <10 | | 17 | | | |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Chlorobenzilate | ug/L | | • | • | | - | | | |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Chloroprene | ug/L | | | | | | | | |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | <8 | | <8 |
| Chrysene | ug/L | | | | | | | | |
| Cis-1,2-dichloroethylene | ug/L | <1.0 | 1.5 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Cobalt, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | | <.8 |
| Copper, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 4.6 | <4.0 | <4.0 |
| Cyanide, total | mg/L | | | | | | | | |
| Delta-bhc | ug/L | | | | | | | | |
| Diallate | ug/L | | | | | | | | |
| Dibenzo(a,h)anthracene | ug/L | | | | | | | | |
| Dibenzofuran | ug/L | | | | | | | | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Dichlorodifluoromethane | ug/L | | | | | | | | |
| Dieldrin | ug/L | | | | | | | | |
| Diethyl phthalate | ug/L | | | | | | | | |
| Dimethoate | ug/L | | | | | | | | |
| Dimethylphthalate | ug/L | | | | | | | | |
| Di-n-butyl phthalate | ug/L | | | | | | | | |
| Di-n-octyl phthalate | ug/L | | | | | | | | |
| Dinoseb | ug/L | | | | | | | | |
| Diphenylamine | ug/L | | | | | | | | |
| Disulfoton | ug/L | | | | | | | | |
| Endosulfan i | ug/L | | | | | | | | |
| Endosulfan ii | ug/L | | | | | | | | |
| Endosulfan sulfate | ug/L | | | | | | | | |
| Endrin | ug/L | | | | | | | | |
| Endrin aldehyde | ug/L | | | | | | | | |
| Ethyl methacrylate | ug/L | | | | | | | | |
| Ethyl methanesulfonate | ug/L | | | | | | | | |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Famphur | ug/L | | | | | | | | |
| Fluoranthene | ug/L | | | | | | | | |
| Fluorene | ug/L | | | | | | | | |
| Gamma-bhc (lindane) | ug/L | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-91

| Constituents | 1/9/2018 | 4/17/2018 | 7/2/2018 | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 1/7/2021 |
|---|----------|-----------|----------|------------|-----------|------------|-----------|------------|----------|
| Anthracene | | | | <8 | | | | | |
| Antimony, total | | <2 | | <2 | <2 | <2 | <2 | <2 | |
| Arochlor 1016 | | | | <.1 | | | | | |
| Arochlor 1221 Arochlor 1232 | | | | <.2 <.2 | | | | | |
| Arochlor 1232 | | | | <.2 <.2 | | | | | |
| Arochlor 1242 | | | | <.2 | | | | | |
| Arochlor 1254 | | | | <.1 | | | | | |
| Arochlor 1260 | | | | <.1 | | | | | |
| Arsenic, total | | <4 | | <4 | <4 | <4 | <4 | <4 | |
| Azobenzene | | | | <8 | | | | | |
| Barium, total | 236 | 126 | | 167 | 183 | 363 | 165 | 268 | |
| Benzene | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Benzo(a)anthracene Benzo(a)pyrene | | | | <8 <8 | | | | | |
| Benzo(a)pyrene Benzo(b)fluoranthene | | | | <8 <8 | | | | | |
| Benzo(g,h,i)perylene | | | | <8 | | | | | |
| Benzo(k)fluoranthene | | | | <8 | | | | | |
| Benzyl alcohol | | | | <8 | | | | | |
| Beryllium, total | | <4 | | <4 | <4 | <4 | <4 | <4 | |
| Beta-bhc | | | | <.05 | | | | | |
| Bis (2-chloroethoxy) methane | | | | <8 | | | | | |
| Bis(2-chloroethyl) ether Bis(2-chloroisopropyl) ether | | | | <8 <8 | | | | | |
| Bis(2-cnioroisopropyi) etner Bis(2-ethylhexyl) phthalate | | | | <8 <6 | | | | | |
| Bromochloromethane | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Bromodichloromethane | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Bromoform | | <1 | | - <1 | <1 | · <1 | <1 | <1 | |
| Bromomethane | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Butyl benzyl phthalate | | | | <8 | | | | | |
| Cadmium, total | | <.8 | | <.8 | <.8 | <.8 | <.8 | <.8 | |
| Calcium, total | | 4.0 | | | 4.0 | | | | |
| Carbon disulfide Carbon tetrachloride | | <1.0 | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| Carbon tetrachionde | | <1 | | <1 <.1 | <1 | <1 | <1 | <1 | |
| Chloride | | | | | | | | | |
| Chlorobenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Chlorobenzilate | | | | <8 | | | | | |
| Chloroethane | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Chloroform | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Chloromethane | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Chloroprene | | -10 | | <1 | -10 | | -0 | 40 | |
| Chromium, total Chrysene | | <8 | | <8 <8 | <8 | <8 | <8 | <8 | |
| Ciryserie Cis-1,2-dichloroethylene | | <1.0 | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| Cis-1,3-dichloropropene | | <1 | | <1 | <1.0 | <1 | <1 | <1 | |
| Cobalt, total | | <.8 | | <.8 | <.8 | <.8 | <.4 | <.4 | |
| Copper, total | | <4.0 | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | |
| Cyanide, total | | | | <.005 | | | | | |
| Delta-bhc | | | | <.05 | | | | | |
| Diallate | | | | <8 | | | | | |
| Dibenzo(a,h)anthracene Dibenzofuran | | | | <8 <8 | | | | | |
| Diberizoiurari Dibromochloromethane | | <1 | | <0 <1 | <1 | <1 | <1 | <1 | |
| Dibromomethane | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Dichlorodifluoromethane | | | | <1 | | '' | | '' | |
| Dieldrin | | | | <.05 | | | | | |
| Diethyl phthalate | | | | <8 | | | | | |
| Dimethoate | | | | <.4 | | | | | |
| Dimethylphthalate | | | | <8 | | | | | |
| Di-n-butyl phthalate | | | | <8 | | | | | |
| Di-n-octyl phthalate Dinoseb | | | | <8 <.5 | | | | | |
| Dinosed Diphenylamine | | | | <.5 <8 | | | | | |
| Disulfoton | | | | <.4 | | | | | |
| Endosulfan i | | | | <.05 | | | | | |
| Endosulfan ii | | | | <.05 | | | | | |
| Endosulfan sulfate | | | | <.05 | | | | | |
| Endrin | | | | <.05 | | | | | |
| Endrin aldehyde | | | | <.05 | | | | | |
| Ethyl methacrylate | | | | <10 | | | | | |
| Ethyl methanesulfonate | | امد | | <8 | امر | | | ا د. ا | |
| Ethylbenzene Famphur | | <1 | | <1 <.4 | <1 | <1 | <1 | <1 | |
| Famphul Fluoranthene | | | | <8 | | | | | |
| Fluorene | | | | <8 <8 | | | | | |
| Gamma-bhc (lindane) | | | | <.05 | | | | | |

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

Table 9

Analytical Data Summary for MW-91

| Constituents | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 | 4/11/2023 | 11/9/2023 | 4/16/2024 | 10/15/2024 |
|--|----------|------------|-----------|------------|------------|-------------|------------|------------|
| Anthracene | | | | | | <8 | | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 | | | | | | <.2 | | |
| Arochlor 1221 Arochlor 1232 | | | | | | <.2 | | |
| Arochlor 1232 | | | | | | <.2 <.2 | | |
| Arochlor 1248 | | | | | | <.2 | | |
| Arochlor 1254 | | | | | | <.2 | | |
| Arochlor 1260 | | | | | | <.2 | | |
| Arsenic, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Azobenzene | | | | | | <8 | | |
| Barium, total | 118 | 235 | 111 | 203 | 116 | 241 | 186 | 242 |
| Benzene Benzo(a)anthracene | <1 | <1 | <1 | <1 | <1 | <1 <8 | <1 | <1 |
| Benzo(a)pyrene | | | | | | <8 | | |
| Benzo(b)fluoranthene | | | | | | <8 | | |
| Benzo(g,h,i)perylene | | | | | | <8 | | |
| Benzo(k)fluoranthene | | | | | | <8 | | |
| Benzyl alcohol | | | | | | <8 | | |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Beta-bhc | | | | | | <.05 | | |
| Bis (2-chloroethoxy) methane | | | | | | <8 <8 | | |
| Bis(2-chloroethyl) ether Bis(2-chloroisopropyl) ether | | | | | | <8 <8 | | |
| Bis(2-chloroisopropyr) ether Bis(2-ethylhexyl) phthalate | | | | | | <6 | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | _ | | <8 | _ | _ |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total Carbon disulfide | <1.0 | <1.0 | 2.6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon tetrachloride | <1.0 | <1.0 <1 | 2.0 <1 | <1.0 | <1.0 <1 | <1.0 | <1.0 <1 | <1.0 |
| Chlordane | `' | ` ' | ` ' | ` ' | ` ' | <.1 | `' | `' |
| Chloride | | | | | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | | | | | | <8 | | |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 <1 | <1 | <1 |
| Chloroprene Chromium, total | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Chrysene | | ~ 0 | ٠,0 | \0 | ,0 | <8 | ٦٥, | ٠0 |
| Cis-1,2-dichloroethylene | <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 |
| Cobalt, total | <.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 |
| Cyanide, total | | | | | | <.005 | | |
| Delta-bhc | | | | | | <.05 | | |
| Diallate Dibenzo(a,h)anthracene | | | | | | <8 <8 | | |
| Diberizo(a,ri)aritiracerie Dibenzofuran | | | | | | <8 | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | | | | <1 | | |
| Dieldrin | | | | | | <.05 | | |
| Diethyl phthalate | | | | | | <8 | | |
| Dimethoate | | | | | | <.4 | | |
| Dimethylphthalate Di-n-butyl phthalate | | | | | | <8 <8 | | |
| Di-n-octyl phthalate | | | | | | <8 | | |
| Dinoseb | | | | | | <.5 | | |
| Diphenylamine | | | | | | <8 | | |
| Disulfoton | | | | | | <.4 | | |
| Endosulfan i | | | | | | <.05 | | |
| Endosulfan ii | | | | | | <.05 | | |
| Endosulfan sulfate | | | | | | <.05 | | |
| Endrin Endrin aldehyde | | | | | | <.05 | | |
| Endrin aldehyde Ethyl methacrylate | | | | | | <.05 <10 | | |
| Ethyl methanesulfonate | | | | | | <8 | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | '' | | | · ' | '' | <.4 | - 1 | - 1 |
| Fluoranthene | | | | | | <8 | | |
| Fluorene | | | | | | <8 | | |
| Gamma-bhc (lindane) | | | | | | <.05 | | |

^{* -} 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 |
|----------------------------------|--------------|------------|------------|-----------|-----------|------------|-----------|-----------|-----------|
| Heptachlor | ug/L | | | | | | | | |
| Heptachlor epoxide | ug/L | | | | | | | | |
| Hexachlorobenzene | ug/L | | | | | | | | |
| Hexachlorobutadiene | ug/L | | | | | | | | |
| -lexachlorocyclopentadiene | ug/L | | | | | | | | |
| -lexachloroethane | ug/L | | | | | | | | |
| Hexachloropropene | ug/L | | | | | | | | |
| ndeno(1,2,3-cd)pyrene | ug/L | | | | | | | | |
| sobutanol | mg/L | | | | | | | | |
| sodrin | ug/L | | | | | | | | |
| sophorone | ug/L | | | | | | | | |
| sosafrole | ug/L | | | | | | | | |
| Kepone | ug/L | | | | | | | | |
| | | -1 | -1 | -1 | -1 | | | | 1 |
| _ead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | | <4 |
| Magnesium, total | mg/L | 47.6 | 54.4 | 55.8 | | 47.3 | | | |
| Mercury, total | ug/L | | | | | | | | |
| Methacrylonitrile | ug/L | | | | | | | | |
| Methapyrilene | ug/L | | | | | | | | |
| Methoxychlor | ug/L | | | | | | | | |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Methyl methacrylate | ug/L | | | | | | | | |
| Methyl methanesulfonate | ug/L | | | | | | | | |
| Methyl parathion | ug/L | | | | | | | | |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | <5 |
| Naphthalene | ug/L | | .0 | .0 | | | | | |
| Nickel, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | | <4 |
| Nitrobenzene | ug/L ug/L | ~4 | ~4 | ~4 | ~4 | *4 | ~4 | | ~4 |
| Nitrogen, ammonia | mg/L | <1 | <1 | <1 | | <1 | | | |
| | | | \ 1 | | | | | | |
| N-nitrosodiethylamine | ug/L | | | | | | | | |
| N-nitrosodimethylamine | ug/L | | | | | | | | |
| N-nitrosodi-n-butylamine | ug/L | | | | | | | | |
| N-nitroso-di-n-propylamine | ug/L | | | | | | | | |
| N-nitrosodiphenylamine | ug/L | | | | | | | | |
| N-nitrosomethylethylamine | ug/L | | | | | | | | |
| N-nitrosopiperidine | ug/L | | | | | | | | |
| N-nitrosopyrrolidine | ug/L | | | | | | | | |
| O,o,o-triethyl phosphorothioate | ug/L | | | | | | | | |
| O-toluidine | ug/L | | | | | | | | |
| Parathion | ug/L | | | | | | | | |
| P-dimethylaminoazobenzene | ug/L | | | | | | | | |
| Pentachlorobenzene | ug/L | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | | | | | |
| Pentachlorophenol | | | | | | | | | |
| | ug/L | | | | | | | | |
| Phenacetin | ug/L | | | | | | | | |
| Phenanthrene | ug/L | | | | | | | | |
| Phenol | ug/L | | | | | | | | |
| Phorate | ug/L | | | | | | | | |
| Potassium, total | mg/L | <1.0 | <1.0 | <1.0 | | 2.1 | | | |
| Pronamide | ug/L | | | | | | | | |
| Propionitrile | ug/L | | | | | | | | |
| Pyrene | ug/L | | | | | | | | |
| Safrole | ug/L | | | | | | | | |
| Selenium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 6.5 | <4.0 | 4.7 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | | <4 |
| Sodium, total | | 8.3 | 8.0 | 8.1 | | 7.2 | | | |
| Solids, total | mg/L mg/L | 537 | 477 | 577 | | 464 | | | |
| | | | 19 | 311 | | 404 | | | |
| Solids, total suspended | mg/L | 7 | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Sulfate | mg/L | 10.9 | 8.4 | 7.1 | | 8.7 | | | |
| Sulfide, total | mg/L | | | | | | | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Thallium, total | ug/L | <4 | <4 | <1 | <4 | <4 | <4 | | <4 |
| Thionazin | ug/L | | | | | | | | |
| Γin, total | ug/L | | | | | | | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Toxaphene | ug/L | `' | " | 7.1 | , , | , , | , , | | , , |
| | | <1 | <1 | <1 | <1 | <1 | <1 | | 1 |
| Frans-1,2-dichloroethylene | ug/L | | | | | | | | <1 |
| Frans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| rans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | <5 |
| richloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| richlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| /anadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | <20 | | <20 |
| /inyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | <5 |
| TILLAL GOODE | | <1 <1 | <1 | <1 <1 | <1 | <1 | <1 | | <1 |
| | | | <u> </u> | < 1 | < 1 | · | · ~1 | I . | . <1 |
| /inyl chloride (ylenes, total | ug/L ug/L | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |

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

Table 9

Analytical Data Summary for MW-91

| Constituents | 1/9/2018 | 4/17/2018 | 7/2/2018 | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 1/7/2021 |
|--|----------|-----------|----------|--------------|---------------|------------|------------|------------|----------|
| Heptachlor | | | | <.05 | | | | | |
| Heptachlor epoxide Hexachlorobenzene | | | | <.05 <.05 | | | | | |
| Hexachlorobutadiene | | | | <8 | | | | | |
| Hexachlorocyclopentadiene | | | | <8 | | | | | |
| Hexachloroethane | | | | <8 | | | | | |
| Hexachloropropene | | | | <8 | | | | | |
| Indeno(1,2,3-cd)pyrene Isobutanol | | | | <8 <1 | | | | | |
| Isodrin | | | | <8 | | | | | |
| Isophorone | | | | <8 | | | | | |
| Isosafrole | | | | <8 | | | | | |
| Kepone | | -4 | | <8 | <4 | | | | |
| Lead, total Magnesium, total | | <4 | | <4 | \4 | <4 | <4 | <4 | |
| Mercury, total | | | | <.5 | | | | | |
| Methacrylonitrile | | | | <1 | | | | | |
| Methapyrilene | | | | <8 | | | | | |
| Methoxychlor Methyl iodide | | <1 | | <.05 <1 | <1 | <1 | <1 | <1 | |
| Methyl methacrylate | | `' | | <1 | ~1 | `` | | `` | |
| Methyl methanesulfonate | | | | <8 | | | | | |
| Methyl parathion | | | | <.4 | | | | | |
| Methylene chloride | | <5 | | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene Nickel, total | | <4 | | <8 <4 | <4 | <4 | <4 | <4 | |
| Nitrobenzene | | ^4 | | <8 | <4 | <4 | <4 | <4 | |
| Nitrogen, ammonia | | | | | | | | | |
| N-nitrosodiethylamine | | | | <8 | | | | | |
| N-nitrosodimethylamine | | | | <8 | | | | | |
| N-nitrosodi-n-butylamine N-nitroso-di-n-propylamine | | | | <8 <8 | | | | | |
| N-nitrosodiphenylamine | | | | <8 | | | | | |
| N-nitrosomethylethylamine | | | | <8 | | | | | |
| N-nitrosopiperidine | | | | <8 | | | | | |
| N-nitrosopyrrolidine | | | | <8 | | | | | |
| O,o,o-triethyl phosphorothioate O-toluidine | | | | <.4 <8 | | | | | |
| Parathion | | | | <.4 | | | | | |
| P-dimethylaminoazobenzene | | | | <8 | | | | | |
| Pentachlorobenzene | | | | <8 | | | | | |
| Pentachloronitrobenzene (pcnb) Pentachlorophenol | | | | <8 <8 | | | | | |
| Phenacetin | | | | <8 | | | | | |
| Phenanthrene | | | | <8 | | | | | |
| Phenol | | | | <8 | | | | | |
| Phorate | | | | <.4 | | | | | |
| Potassium, total Pronamide | | | | <8 | | | | | |
| Propionitrile | | | | <10 | | | | | |
| Pyrene | | | | <8 | | | | | |
| Safrole | | | | <8 | | | | | |
| Selenium, total | <4.0 | 5.6 <4 | <4.0 | <4.0 <4 | <4.0 <4 | <4.0 <4 | <4.0 <4 | 4.1 <4 | <4.0 |
| Silver, total Sodium, total | | ^4 | | | < 4 | ^4 | \ | ^4 | |
| Solids, total dissolved | | | | | | | | | |
| Solids, total suspended | | | | | | | | | |
| Styrene | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Sulfate Sulfide, total | | | | <.1 | | | | | |
| Tetrachloroethylene | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Thallium, total | | <4 | | <4 | <2 | <2 | <2 | <2 | |
| Thionazin | | | | <.4 | | | | | |
| Tin, total | | ا ا | | <20 | _ | | | | |
| Toluene Toxaphene | | <1 | | <1 <.2 | <1 | <1 | <1 | <1 | |
| Trans-1,2-dichloroethylene | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Trans-1,3-dichloropropene | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Trans-1,4-dichloro-2-butene | | <5 | | <5 | <5 | <5 | <5 | <5 | |
| Trichloroethylene | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Trichlorofluoromethane Vanadium, total | | <1 <20 | | <1 <20 | <1 <20 | <1 <20 | <1 <20 | <1 <20 | |
| Vinyl acetate | | <20 <5 | | <5 | <20 <5 | <5 | <20 <5 | <5 | |
| Vinyl decide | | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | | <2 | | <2 | <2 | <2 | <2 | <2 | |
| Zinc, total | | <8.0 | | <20.0 | <20.0 | 24.7 | <20.0 | <20.0 | |

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

Table 9

Analytical Data Summary for MW-91

| Constituents | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 | 4/11/2023 | 11/9/2023 | 4/16/2024 | 10/15/2024 |
|--|-----------|------------|------------|------------|------------|------------|------------|------------|
| Heptachlor | | | | | | <.05 | | |
| Heptachlor epoxide | | | | | | <.05 | | |
| Hexachlorobenzene | | | | | | <.05 | | |
| Hexachlorobutadiene | | | | | | <8 | | |
| Hexachlorocyclopentadiene Hexachloroethane | | | | | | <8 <8 | | |
| Hexachloropropene | | | | | | <8 | | |
| Indeno(1,2,3-cd)pyrene | | | | | | <8 | | |
| Isobutanol | | | | | | <1 | | |
| Isodrin | | | | | | <8 | | |
| Isophorone | | | | | | <8 | | |
| Isosafrole | | | | | | <8 | | |
| Kepone | | | | | | <8 | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total Mercury, total | | | | | | <.5 | | |
| Methacrylonitrile | | | | | | <1 <1 | | |
| Methapyrilene | | | | | | <8 | | |
| Methoxychlor | | | | | | <.05 | | |
| Methyl iodide | <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 |
| Naphthalene | | _ | | | | <8 | | |
| Nickel, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Nitrobenzene Nitrogen, ammonia | | | | | | <8 | | |
| N-nitrosodiethylamine | | | | | | <8 | | |
| N-nitrosodimethylamine | | | | | | <8 | | |
| N-nitrosodi-n-butylamine | | | | | | <8 | | |
| N-nitroso-di-n-propylamine | | | | | | <8 | | |
| N-nitrosodiphenylamine | | | | | | <8 | | |
| N-nitrosomethylethylamine | | | | | | <8 | | |
| N-nitrosopiperidine | | | | | | <8 | | |
| N-nitrosopyrrolidine | | | | | | <8 | | |
| O,o,o-triethyl phosphorothioate | | | | | | <.4 | | |
| O-toluidine | | | | | | <8 | | |
| Parathion | | | | | | <.4 | | |
| P-dimethylaminoazobenzene Pentachlorobenzene | | | | | | <8 <8 | | |
| Pentachloronitrobenzene (pcnb) | | | | | | <8 | | |
| Pentachlorophenol | | | | | | <8 | | |
| Phenacetin | | | | | | <8 | | |
| Phenanthrene | | | | | | <8 | | |
| Phenol | | | | | | <8 | | |
| Phorate | | | | | | <.4 | | |
| Potassium, total | | | | | | _ | | |
| Pronamide | | | | | | <8 | | |
| Propionitrile | | | | | | <10 | | |
| Pyrene | | | | | | <8 | | |
| Safrole Selenium, total | 5.3 | <4.0 | <4.0 | <4.0 | <4.0 | <8 <4.0 | <4.0 | <4.0 |
| Selenium, total Silver, total | 5.3 <4 | <4.0 <4 |
| Sodium, total | "" | ~4 | ~4 | ~~ | ** | 74 | ~4 | ~4 |
| Solids, total dissolved | | | | | | | | |
| Solids, total suspended | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | | | | | | | | |
| Sulfide, total | | | | | | <.1 | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Thionazin | | | | | | <.4 | | |
| Tin, total | | _1 | _1 | | | <20 | _1 | _1 |
| Toluene Toxaphene | <1 | <1 | <1 | <1 | <1 | <1 <.2 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <.z | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | - <1 | <1 | - <1 | <1 | <1 | <1 | <1 | - <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <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-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 |
|--|--------------|------------|----------|-----------|-----------|------------|-----------|-----------|-----------|
| (3 4)-methylphenol | ug/L | | | | | | | | |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1.1-dichloroethane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | ug/L | | | | | • | | | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | | | | | | |
| 1,2,4-trichlorobenzene | ug/L | | | | | | | | |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 <1 |
| 1,2-dichlorobenzene 1,2-dichloroethane | ug/L | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 |
| 1,2-dichloropropane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | ug/L | , , | " | 7.1 | * 1 | 71 |] '' | 1 | '' |
| 1,3,5-trinitrobenzene | ug/L | | | | | | | | |
| 1,3-dichlorobenzene | ug/L | | | | | | | | |
| 1,3-dichloropropane | ug/L | | | | | | | | |
| 1,3-dinitrobenzene | ug/L | | | | | | | | |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | ug/L | | | | | | | | |
| 1,4-phenylenediamine | ug/L | | | | | | | | |
| 1-naphthylamine | ug/L | | | | | | | | |
| 2,2-dichloropropane 2,3,4,6-tetrachlorophenol | ug/L ug/L | | | | | | | | |
| 2,4,5-t | ug/L | | | | | | | | |
| 2,4,5-tp (silvex) | ug/L | | | | | | | | |
| 2,4,5-trichlorophenol | ug/L | | | | | | | | |
| 2,4,6-trichlorophenol | ug/L | | | | | | | | |
| 2,4-d | ug/L | | | | | | | | |
| 2,4-dichlorophenol | ug/L | | | | | | | | |
| 2,4-dimethylphenol | ug/L | | | | | | | | |
| 2,4-dinitrophenol | ug/L | | | | | | | | |
| 2,4-dinitrotoluene 2,6-dichlorophenol | ug/L ug/L | | | | | | | | |
| 2,6-dinitrotoluene | ug/L ug/L | | | | | | | | |
| 2-acetylaminofluorene | ug/L | | | | | | | | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-chloronaphthalene | ug/L | | | | | | | | |
| 2-chlorophenol | ug/L | | | | | | | | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | ug/L | | | | | | | | |
| 2-methylphenol | ug/L | | | | | | | | |
| 2-naphthylamine 2-nitroaniline | ug/L ug/L | | | | | | | | |
| 2-nitrophenol | ug/L ug/L | | | | | | | | |
| 3,3'-dichlorobenzidine | ug/L | | | | | | | | |
| 3,3'-dimethylbenzidine | ug/L | | | | | | | | |
| 3-methylcholanthrene | ug/L | | | | | | | | |
| 3-nitroaniline | ug/L | | | | | | | | |
| 4,4´-ddd | ug/L | | | | | | | | |
| 4,4´-dde | ug/L | | | | | | | | |
| 4,4'-ddt | ug/L | | | | | | | | |
| 4,6-dinitro-2-methylphenol 4-aminobiphenyl | ug/L | | | | | | | | |
| 4-aminobipnenyi 4-bromophenyl phenyl ether | ug/L ug/L | | | | | | | | |
| 4-chloro-3-methylphenol | ug/L ug/L | | | | | | | | |
| 4-chloroaniline | ug/L ug/L | | | | | | | | |
| 4-chlorophenyl phenyl ether | ug/L | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | ug/L | | | | | | | | |
| 4-nitrophenol | ug/L | | | | | | | | |
| 5-nitro-o-toluidine | ug/L | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | | | | | |
| Acenaphthene Acenaphthylene | ug/L ug/L | | | | | | | | |
| Acetone | ug/L ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acetonitrile | ug/L ug/L | ``10 | ~10 | ~10 | ~10 | ~10 | ``\ | ``\ | ``10 |
| Acetophenone | ug/L ug/L | | | | | | | | |
| Acrolein | ug/L | | | | | | | | |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | ug/L | | | | | | | | |
| Alkalinity, as caco3 | mg/L | 497 | 476 | 476 | | 440 | | | |
| Allyl chloride | ug/L | | | | | | | | |
| Alpha-bhc | ug/L | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-93

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 7/2/2021 | 10/8/2021 | 4/6/2022 |
|---|------------|-----------|------------|-----------|------------|------------|----------|-----------|----------|
| (3 4)-methylphenol | <8 | | | | | | | | |
| 1,1,1,2-tetrachloroethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | | <1 <1 | <1 <1 |
| 1,1,1,1 therhoroethane | <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-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,1-dichloropropene | <1 | | | | .4 | | | | |
| 1,2,3-trichloropropane 1,2,4,5-tetrachlorobenzene | <1 <8 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1.2.4-trichlorobenzene | <1 | | | | | | | | |
| 1,2-dibromo-3-chloropropane | <1 | <1 | <1 | <5 | <5 | <5 | | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,2-dichloroethane 1,2-dichloropropane | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | | <1 <1 | <1 <1 |
| 1,2-dictioroproparie | <8 | ~1 | `1 | | ~1 | `' | | | |
| 1,3,5-trinitrobenzene | <8 | | | | | | | | |
| 1,3-dichlorobenzene | <1 | | | | | | | | |
| 1,3-dichloropropane | <1 | | | | | | | | |
| 1,3-dinitrobenzene | <8 | | | | | | | | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,4-naphthoquinone 1,4-phenylenediamine | <8 <8 | | | | | | | | |
| 1-naphthylamine | <8 | | | | | | | | |
| 2,2-dichloropropane | <1 | | | | | | | | |
| 2,3,4,6-tetrachlorophenol | <8 | | | | | | | | |
| 2,4,5-t 2,4,5-tp (silvex) | <.5 | | | | | | | | |
| 2,4,5-tp (silvex) | <.5 <8 | | | | | | | | |
| 2,4,6-trichlorophenol | <8 | | | | | | | | |
| 2,4-d | <2 | | | | | | | | |
| 2,4-dichlorophenol | <8 | | | | | | | | |
| 2,4-dimethylphenol | <8 | | | | | | | | |
| 2,4-dinitrophenol 2,4-dinitrotoluene | <8 <8 | | | | | | | | |
| 2,6-dichlorophenol | <8 | | | | | | | | |
| 2,6-dinitrotoluene | <8 | | | | | | | | |
| 2-acetylaminofluorene | <8 | | | | | | | | |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <10 |
| 2-chloronaphthalene | <8 <8 | | | | | | | | |
| 2-chlorophenol 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| 2-methylnaphthalene | <8 | 10 | 10 | 10 | 10 | -0 | | 10 | 10 |
| 2-methylphenol | <8 | | | | | | | | |
| 2-naphthylamine | <8 | | | | | | | | |
| 2-nitroaniline | <8 | | | | | | | | |
| 2-nitrophenol 3,3´-dichlorobenzidine | <8 <8 | | | | | | | | |
| 3,3'-dimethylbenzidine | <8 | | | | | | | | |
| 3-methylcholanthrene | <8 | | | | | | | | |
| 3-nitroaniline | <8 | | | | | | | | |
| 4,4'-ddd | <.05 | | | | | | | | |
| 4,4´-dde | <.05 | | | | | | | | |
| 4,4'-ddt 4,6-dinitro-2-methylphenol | <.05 <8 | | | | | | | | |
| 4,0-diffitio-2-metrylphenol | <8 | | | | | | | | |
| 4-bromophenyl phenyl ether | <8 | | | | | | | | |
| 4-chloro-3-methylphenol | <8 | | | | | | | | |
| 4-chloroaniline | <8 | | | | | | | | |
| 4-chlorophenyl phenyl ether 4-methyl-2-pentanone (mibk) | <8 <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| 4-metryi-2-peritarione (mibk) 4-nitroaniline | <8 | ^5 | -5 | \5 | \5 | \ 5 | | \5 | \0 |
| 4-nitrophenol | <8 | | | | | | | | |
| 5-nitro-o-toluidine | <8 | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | <8 | | | | | | | | |
| Acenaphthylene | <8 <8 | | | | | | | | |
| Acenaphthylene Acetone | <8 <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 |
| Acetonie | <10 <10 | ~10 | ~10 | ~10 | ~10 | ~10 | | _ 10 | 10 |
| Acetophenone | <8 | | | | | | | | |
| Acrolein | <10 | | | | | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| Aldrin | <.05 | | | | | | | | |
| Alkalinity, as caco3 Allyl chloride | <1 | | | | | | | | |
| Allyl chloride Alpha-bhc | <.05 | | | | | | | | |
| , upital billo | 00 | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-93

| Constituents | 10/25/2022 | 4/11/2023 | 10/13/2023 | 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 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene 1,2,3-trichloropropane | <1 | <1 | <1 <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | - 1 | -11 | <8 | `' | - ' |
| 1,2,4-trichlorobenzene | | | <1 | | |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <1 | <5 | <5 |
| 1,2-dibromoethane 1,2-dichlorobenzene | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1.2-dichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | | <8 | | |
| 1,3,5-trinitrobenzene | | | <8 <1 | | |
| 1,3-dichlorobenzene 1,3-dichloropropane | | | <1 <1 | | |
| 1,3-dinitrobenzene | | | <8 | | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | | | <8 | | |
| 1,4-phenylenediamine 1-naphthylamine | | | <8 <8 | | |
| 1-naphthylamine 2,2-dichloropropane | | | <8 <1 | | |
| 2,3,4,6-tetrachlorophenol | | | <8 | | |
| 2,4,5-t | | | <.5 | | |
| 2,4,5-tp (silvex) | | | <.5 | | |
| 2,4,5-trichlorophenol 2,4,6-trichlorophenol | | | <8 <8 | | |
| 2,4,0-therioropherior 2,4-d | | | <2 | | |
| 2,4-dichlorophenol | | | <8 | | |
| 2,4-dimethylphenol | | | <8 | | |
| 2,4-dinitrophenol | | | <8 | | |
| 2,4-dinitrotoluene 2,6-dichlorophenol | | | <8 <8 | | |
| 2,6-dinitrotoluene | | | <8 | | |
| 2-acetylaminofluorene | | | <8 | | |
| 2-butanone (mek) | <10 | <10 | <5 | <10 | <10 |
| 2-chloronaphthalene 2-chlorophenol | | | <8 <8 | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | <8 | | |
| 2-methylphenol | | | <8 | | |
| 2-naphthylamine 2-nitroaniline | | | <8 <8 | | |
| 2-nitroaniine 2-nitrophenol | | | <8 | | |
| 3,3'-dichlorobenzidine | | | <8 | | |
| 3,3'-dimethylbenzidine | | | <8 | | |
| 3-methylcholanthrene | | | <8 | | |
| 3-nitroaniline 4,4´-ddd | | | <8 <.05 | | |
| 4,4'-dde | | | <.05 | | |
| 4,4'-ddt | | | <.05 | | |
| 4,6-dinitro-2-methylphenol | | | <8 | | |
| 4-aminobiphenyl 4-bromophenyl phenyl ether | | | <8 <8 | | |
| 4-chloro-3-methylphenol | | | <8 | | |
| 4-chloroaniline | | | <8 | | |
| 4-chlorophenyl phenyl ether | _ | _ | <8 | _ | _ |
| 4-methyl-2-pentanone (mibk) 4-nitroaniline | <5 | <5 | <5 <8 | <5 | <5 |
| 4-nitroaniine 4-nitrophenol | | | <8 <8 | | |
| 5-nitro-o-toluidine | | | <8 | | |
| 7,12-dimethylbenz(a)anthracene | | | <8 | | |
| Acenaphthene | | | <8 | | |
| Acenaphthylene Acetone | <10 | <10 | <8 <10 | <10 | <10 |
| Acetonie | ``\ | ~10 | <10 <10 | ~10 | ~10 |
| Acetophenone | | | <8 | | |
| Acrolein | | | <10 | | |
| Acrylonitrile | <5 | <5 | <5 - 05 | <5 | <5 |
| Aldrin Alkalinity, as caco3 | | | <.05 | | |
| Allyl chloride | | | <1 | | |
| Alpha-bhc | | | <.05 | | |
| | | | | | |

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

Table 9

Analytical Data Summary for MW-93

| Anthrinory, total ug/L | | | 10/9/2017 | 4/10/2017 | 10/13/2016 | 4/14/2016 | 10/1/2015 | 4/6/2015 | 10/16/2014 | Units | Constituents |
|--|-----------|---|-----------|-----------|---------------------------------------|-----------|------------|-----------|------------|-------|-------------------------|
| Arochlor 1016 | | | | | | | | | | | |
| Arochlor 1221 Ug/L Arochlor 1232 Ug/L Arochlor 1248 Ug/L Arochlor 1250 Ug/L Barium, total Ug/L Sarium, total Ug/L | <2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | |
| Arochlor 1232 | | | | | | | | | | | |
| Arochlor 1242 ug/L Arochlor 1248 ug/L Arochlor 1254 ug/L Arochlor 1256 ug/L Early 1256 ug/L ug | | | | | | | | | | ug/L | |
| Arochlor 1284 | | | | | | | | | | ug/L | |
| Arochlor 1256 | | | | | | | | | | | |
| Arcenic, 10tal ug/L 5.1 5.9 5.2 16.1 6.5 5.5 5.4 0.4 Azoenzene ug/L 248 272 274 297 232 202 183 Benzene ug/L ug/L 5.1 5.9 5.2 16.1 6.5 5.5 5.4 0.4 Azobenzene ug/L ug/L 5.1 5.9 5.2 16.1 6.5 5.5 5.4 0.4 Azobenzene ug/L ug/L 5.1 5.1 5.9 5.2 16.1 6.5 5.5 5.5 5.4 0.4 0.4 5.1 5.1 5.9 5.2 16.1 6.5 5.5 5.5 5.4 0.4 0.4 5.1 5.9 5.2 16.1 5.5 | | | | | | | | | | | |
| Assenic, total | | | | | | | | | | | |
| Barlum, total Ug/L 248 272 274 297 232 202 183 Benzene Ug/L 1 1 1 1 1 1 1 1 1 | 5.4 |) | <4.0 | 5.5 | 6.5 | 16.1 | 5.2 | 5.9 | 5.1 | | |
| Benzo(a)anthracene ug/L Senzo(a)pyrene ug/L Benzo(a)pyrene ug/L Benzo(b)fluoranthene ug/L Bis (2-chlorethxy) methane ug/L Bis (2-chlorethxy) methane ug/L Sis (2-chlorethxy) phthalate ug/L Sis (2-chlorethxy) phtha | 404 | | 400 | | | | 074 | 070 | 0.40 | | |
| Benzo(a)anthracene ug/L Benzo(p)yrene ug/L Benzo(p)thuoranthene ug/L Bis (2-chloroethoxy) methane ug/L Bis (2-chloroethoxy) methane ug/L Bis (2-chloroethoxy) ether ug/L Bis (2-chloroethoxy) ether ug/L Bis (2-chloroethoxy) ether ug/L Bis (2-chloroethoxy) ether ug/L Sis (2-chloroethoxe) ug/L Sis (2-chloroet | 191 <1 | | | | | | | | | | ' |
| Benzo(ph)rorathene ug/L | <u> </u> | | \ \ | `' | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | `' | <u> </u> | <u> </u> | | | |
| Benzo(gh,)perylene ug/L | | | | | | | | | | | |
| Benzo(s(j.h.))perylene ug/L | | | | | | | | | | | |
| Benzylar alcohol Ug/L C4 C4 C4 C4 C4 C4 C4 C | | | | | | | | | | | |
| Betyllium, total ug/L ug | | | | | | | | | | | |
| Beta-bhc ug/L ug/ | - 4 | | | | | | | - 4 | | | |
| Bis (2-chloroethyx) methane ug/L ug/L Bis (2-chloroethyx) ether ug/L ug/L Bis (2-chlorosporpy)) ether ug/L ug/ | <4 | 1 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | | |
| Bisi(2-chloroethyl) ether ug/L Bis(2-chloroisopropyl) ether ug/L Bis(2-chloroisopropyl) ether ug/L state ug/L | | | | | | | | | | | |
| Bis(2-chlyriosiopropyl) ether ug/L Bis(2-chlyriosiopropyl) ether ug/L Sis(2-chlyriosiopropyl) ether ug/L Sis(2-chlyriosio | | | | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | | | | | | | | | | ug/L | |
| Bromochloromethane | | | | | | | | | | ug/L | |
| Bromoform | <1 | | | | | | | | | ug/L | |
| Bromomethane | <1 | | | 1 '1 | | l I | | | | | |
| Buty benzyl phthalate | <1 <1 | | | 1 | | | | | | ug/L | |
| Cadmium, total Ug/L Cas Calcium, total Ug/L Chlordene Ug/L Chlordene Ug/L Chlordene Ug/L Chlordene Ug/L Chlordene Ug/L Chlorobenziate Ug/L Chlorobenziate Ug/L Chlorobenziate Ug/L Chloroform | <u> </u> | | \ \ | `' | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | `' | <u> </u> | <u> </u> | | | |
| Calcium, total | <.8 | 3 | < 8 | < 8 | < 8 | < 8 | < 8 | < 8 | < 8 | | |
| Carbon disulfide | | | | | | | | | | | |
| Chlordane | <1 | ı | <1 | <1 | <1 | <1 | <1 | <1 | <1 | ug/L | Carbon disulfide |
| Chloride | <1 | l | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Chlorobenzene | | | | | | | 40.0 | 40.0 | 40.0 | | |
| Chlorobenzilate | <1 | | | | | | | | | | |
| Chloroethane | <u> </u> | | \ \ | `' | | `' | \ 1 | ~1 | | | |
| Chloroform | <1 | ı | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Chloromethane | <1 | | | 1 | | l I | | | | | |
| Chromium, total | <1 | ı | <1 | <1 | <1 | <1 | <1 | <1 | <1 | ug/L | Chloromethane |
| Chrysene | _ | | | | | _ | | _ | | ug/L | |
| Cis-1,2-dichloroethylene | <8 | 3 | <8 | <8 | <8 | 8 | <8 | <8 | <8 | | |
| Cis-1,3-dichloropropene | <1 | . | -1 | _1 | _1 | _1 | <i>-</i> 1 | ~1 | -1 | | |
| Cobalt, total ug/L vg/L | <1 | | | | | | | | | | |
| Copper, total | 5.9 | | | | | | | | | | |
| Delta-bhc | <4.0 |) | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | | |
| Diallate | | | | | | | | | | | |
| Dibenzo(a,h)anthracene 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 ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L u | | | | | | | | | | | |
| Dibenzofuran | | | | | | | | | | | |
| Dibromochloromethane | | | | | | | | | | ug/L | |
| Dibromomethane ug/L <1 <1 <1 <1 <1 <1 <1 < | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Dichlorodifluoromethane ug/L | <1 | ı | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Dialdrin | | | | | | | | | | ug/L | Dichlorodifluoromethane |
| Ug/L | | | | | | | | | | ug/L | Dieldrin |
| Diethyl phthalate ug/L ug/L | | | | | | | | | | ug/L | |
| Dimethoate ug/L | | | | | | | | | | ug/L | |
| Di-n-butyl phthalate ug/L | | | | | | | | | | | |
| Di-n-octyl phthalate ug/L | | | | | | | | | | | |
| Dinoseb ug/L ug/L | | | | | | | | | | | |
| Diphenylamine ug/L | | | | | | | | | | | |
| Disulfoton ug/L | | | | | | | | | | | |
| Endosulfan i ug/L | | | | | | | | | | ug/L | |
| Endosulfan ii ug/L | | | | | | | | | | | |
| Endosulari sullate ug/L | | | | | | | | | | | |
| Endrin aldehyde ug/L | | | | | | | | | | | |
| Ethyl methacrylate ug/L | | | | | | | | | | | |
| Ethyl methanesulfonate ug/L | | | | | | | | | | ug/L | Ethyl methanesulfonate |
| Ethylbenzene ug/L <1 <1 <1 <1 <1 <1 | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | ug/L | |
| Famphur ug/L ug/L | | | | | | | | | | | |
| Fluoranthene ug/L | | | | | | | | | | ug/L | |
| Fluorene ug/L Gamma-bhc (lindane) ug/L Gamma-bhc (lindane) G | | | | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-93

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 7/2/2021 | 10/8/2021 | 4/6/2022 |
|--|-------------|------------|------------|------------|------------|-----------|----------|-----------|-----------|
| Anthracene | <8 | _ | _ | _ | _ | _ | | _ | _ |
| Antimony, total Arochlor 1016 | <2 <.1 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| Arochlor 1221 | <.2 | | | | | | | | |
| Arochlor 1232 | <.2 | | | | | | | | |
| Arochlor 1242 | <.2 | | | | | | | | |
| Arochlor 1248 | <.2 | | | | | | | | |
| Arochlor 1254 Arochlor 1260 | <.1 <.1 | | | | | | | | |
| Arsenic, total | 18.4 | 67.3 | 13.6 | 17.5 | 4.8 | 10.5 | | 11.4 | 11.1 |
| Azobenzene | <8 | | | | | | | | |
| Barium, total | 249 | 443 | 222 | 206 | 178 | 192 <1 | | 178 | 188 <1 |
| Benzene Benzo(a)anthracene | <1 <8 | <1 | <1 | <1 | <1 | `1 | | <1 | ` |
| Benzo(a)pyrene | <8 | | | | | | | | |
| Benzo(b)fluoranthene | <8 | | | | | | | | |
| Benzo(g,h,i)perylene | <8 <8 | | | | | | | | |
| Benzo(k)fluoranthene Benzyl alcohol | <8 | | | | | | | | |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 | <4 | | <4 | <4 |
| Beta-bhc | <.05 | | | | | | | | |
| Bis (2-chloroethoxy) methane | <8 <8 | | | | | | | | |
| Bis(2-chloroethyl) ether Bis(2-chloroisopropyl) ether | <8 <8 | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | <6 | | | | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Bromodichloromethane Bromoform | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | | <1 <1 | <1 <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Butyl benzyl phthalate | <8 | | | | | | | | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | | <.8 | <.8 |
| Calcium, total Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Carbon distillide Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chlordane | <.1 | . | · | | · | | | <u> </u> | . |
| Chloride | | | | | | | | | |
| Chlorobenzene Chlorobenzilate | <1 <8 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chloromethane | <1 <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chloroprene Chromium, total | <8 | <8 | <8 | <8 | <8 | <8 | | <8 | <8 |
| Chrysene | <8 | - | | - | | | | | |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Cis-1,3-dichloropropene Cobalt, total | <1 9.9 | <1 18.9 | <1 8.3 | <1 11.3 | <1 4.6 | <1 7.9 | | <1 7.1 | <1 8.7 |
| Copper, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 8.5 | <4.0 | <4.0 | <4.0 |
| Cyanide, total | <.005 | | _ | | _ | | | | |
| Delta-bhc | <.05 | | | | | | | | |
| Diallate Dibenzo(a,h)anthracene | <8 <8 | | | | | | | | |
| Dibenzofuran | <8 | | | | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Dichlorodifluoromethane Dieldrin | <1 <.05 | | | | | | | | |
| Diethyl phthalate | <8 | | | | | | | | |
| Dimethoate | <.4 | | | | | | | | |
| Dimethylphthalate | <8 <8 | | | | | | | | |
| Di-n-butyl phthalate Di-n-octyl phthalate | <8 <8 | | | | | | | | |
| Dinoseb | <.5 | | | | | | | | |
| Diphenylamine | <8 | | | | | | | | |
| Disulfoton Endosulfan i | <.4 <.05 | | | | | | | | |
| Endosulian i Endosulfan ii | <.05 | | | | | | | | |
| Endosulfan sulfate | <.05 | | | | | | | | |
| Endrin | <.05 | | | | | | | | |
| Endrin aldehyde | <.05 <10 | | | | | | | | |
| Ethyl methacrylate Ethyl methanesulfonate | <10 <8 | | | | | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Famphur | <.4 | | | | | | | | |
| Fluoranthene Fluorene | <8 <8 | | | | | | | | |
| Fluorene Gamma-bhc (lindane) | <.05 | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-93

| Constituents | 10/25/2022 | 4/11/2023 | 10/13/2023 | 4/16/2024 | 10/15/2024 |
|--|------------|-----------|--------------|-----------|------------|
| Anthracene | -0 | -0 | <8 | | -0 |
| Antimony, total Arochlor 1016 | <2 | <2 | <2 <.2 | <2 | <2 |
| Arochlor 1221 | | | <.2 | | |
| Arochlor 1232 | | | <.2 | | |
| Arochlor 1242 | | | <.2 | | |
| Arochlor 1248 Arochlor 1254 | | | <.2 <.2 | | |
| Arochlor 1260 | | | <.2 <.2 | | |
| Arsenic, total | 58.5 | 9.3 | 59.6 | 11.9 | 15.2 |
| Azobenzene | | | <8 | | |
| Barium, total | 231 <1 | 201 <1 | 249 <1 | 243 | 242 |
| Benzene Benzo(a)anthracene | <u> </u> | <u> </u> | <8 | <1 | <1 |
| Benzo(a)pyrene | | | <8 | | |
| Benzo(b)fluoranthene | | | <8 | | |
| Benzo(g,h,i)perylene | | | <8 | | |
| Benzo(k)fluoranthene Benzyl alcohol | | | <8 <8 | | |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 |
| Beta-bhc | | | <.05 | | |
| Bis (2-chloroethoxy) methane | | | <8 | | |
| Bis(2-chloroethyl) ether | | | <8 | | |
| Bis(2-chloroisopropyl) ether Bis(2-ethylhexyl) phthalate | | | <8 <6 | | |
| Bromochloromethane | <1 | <1 | <0 <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate Cadmium, total | <.8 | <.8 | <8 <.8 | <.8 | <.8 |
| Calcium, total | 1.0 | 1.0 | 1.0 | ٠.٠ | ٠.٥ |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 |
| Chlordane Chloride | | | <.1 | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | ., | | <8 | ., | • • |
| Chloroethane | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 |
| Chloromethane Chloroprene | <1 | <1 | <1 <1 | <1 | <1 |
| Chromium, total | <8 | <8 | <8 | <8 | <8 |
| Chrysene | | | <8 | | |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene Cobalt, total | <1 8.6 | <1 9.0 | <1 8.3 | <1 9.8 | <1 9.9 |
| Copper, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Cyanide, total | | | <.005 | | |
| Delta-bhc | | | <.05 | | |
| Diallate | | | <8 | | |
| Dibenzo(a,h)anthracene Dibenzofuran | | | <8 <8 | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | <1 | | |
| Dieldrin Diethyl phthalate | | | <.05 <8 | | |
| Dietriyi primalate Dimethoate | | | <.4 | | |
| Dimethylphthalate | | | <8 | | |
| Di-n-butyl phthalate | | | <8 | | |
| Di-n-octyl phthalate | | | <8 - 5 | | |
| Dinoseb Diphenylamine | | | <.5 <8 | | |
| Disulfoton | | | <.4 | | |
| Endosulfan i | | | <.05 | | |
| Endosulfan ii | | | <.05 | | |
| Endosulfan sulfate | | | <.05 <.05 | | |
| Endrin Endrin aldehyde | | | <.05 <.05 | | |
| Ethyl methacrylate | | | <10 | | |
| Ethyl methanesulfonate | | | <8 | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 |
| Famphur | | | <.4 | | |
| Fluoranthene Fluorene | | | <8 <8 | | |
| Gamma-bhc (lindane) | | | <.05 | | |
| (| | | .30 | | |

^{* -} 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 |
|--|--------------|------------|------------|-----------|----------------|------------|-----------|------------|----------------|
| Heptachlor | ug/L | | | | | | | | |
| Heptachlor epoxide | ug/L | | | | | | | | |
| Hexachlorobenzene | ug/L | | | | | | | | |
| Hexachlorobutadiene | ug/L | | | | | | | | |
| Hexachlorocyclopentadiene | ug/L | | | | | | | | |
| Hexachloroethane | ug/L | | | | | | | | |
| Hexachloropropene | ug/L | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/L | | | | | | | | |
| Isobutanol | mg/L | | | | | | | | |
| Isodrin | ug/L | | | | | | | | |
| Isophorone Isosafrole | ug/L ug/L | | | | | | | | |
| Kepone | ug/L | | | | | | | | |
| Lead, total | ug/L ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | mg/L | 63.3 | 44.5 | 58.7 | \ - | 56.6 | | | \ - |
| Mercury, total | ug/L | 00.0 | 44.0 | 00.7 | | 00.0 | | | |
| Methacrylonitrile | ug/L | | | | | | | | |
| Methapyrilene | ug/L | | | | | | | | |
| Methoxychlor | ug/L | | | | | | | | |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | ug/L | | | ., | • | • | | | |
| Methyl methanesulfonate | ug/L | | | | | | | | |
| Methyl parathion | ug/L | | | | | | | | |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | ug/L | | | | .0 | | | | " |
| Nickel, total | ug/L | 34.6 | 42.6 | 36.0 | 26.5 | 31.8 | 27.3 | 28.2 | 26.2 |
| Nitrobenzene | ug/L | 00 | .2.3 | 55.5 | 20.0 | 00 | | | |
| Nitrogen, ammonia | mg/L | <1 | <1 | <1 | | <1 | | | |
| N-nitrosodiethylamine | ug/L | | | | | | | | |
| N-nitrosodimethylamine | ug/L | | | | | | | | |
| N-nitrosodi-n-butylamine | ug/L | | | | | | | | |
| N-nitroso-di-n-propylamine | ug/L | | | | | | | | |
| N-nitrosodiphenylamine | ug/L | | | | | | | | |
| N-nitrosomethylethylamine | ug/L | | | | | | | | |
| N-nitrosopiperidine | ug/L | | | | | | | | |
| N-nitrosopyrrolidine | ug/L | | | | | | | | |
| O,o,o-triethyl phosphorothioate | ug/L | | | | | | | | |
| O-toluidine | ug/L | | | | | | | | |
| Parathion | ug/L | | | | | | | | |
| P-dimethylaminoazobenzene | ug/L | | | | | | | | |
| Pentachlorobenzene | ug/L | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | | | | | |
| Pentachlorophenol | ug/L | | | | | | | | |
| Phenacetin | ug/L | | | | | | | | |
| Phenanthrene | ug/L | | | | | | | | |
| Phenol | ug/L | | | | | | | | |
| Phorate | ug/L | | .4.0 | 7.0 | | 0.0 | | | |
| Potassium, total | mg/L | 8.0 | <1.0 | 7.3 | | 9.9 | | | |
| Pronamide | ug/L | | | | | | | | |
| Propionitrile | ug/L | | | | | | | | |
| Pyrene | ug/L | | | | | | | | |
| Safrole | ug/L | | -1 | -1 | -1 | -1 | | | -1 |
| Selenium, total Silver, total | ug/L | <4 <4 | <4 <4 | <4 <4 | <4 <4 | <4 <4 | <4 <4 | <4 <4 | <4 <4 |
| Sodium, total | ug/L | 10.2 | 9.3 | 8.8 | \4 | 9.2 | \4 | \ 4 | \4 |
| Solids, total dissolved | mg/L | 191 | 9.3 505 | 900 | | 444 | | | |
| Solids, total dissolved Solids, total suspended | mg/L | 2150 | 148 | 900 | | 444 | | | |
| Styrene | mg/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | mg/L | 35.4 | 36.0 | 39.0 | ~1 | 33.0 | `' | | |
| Sulfide, total | mg/L | 33.4 | 30.0 | 39.0 | | 33.0 | | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <4 | <4 | <1 | <4 | <4 | <4 | <4 | <4 |
| Thionazin | ug/L | `~ | 74 | `' | 74 | ~~ | `~ | \- | \ |
| Tin, total | ug/L | | | | | | | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | ug/L | ` ' | ` ' ' | `' | ~1 | ` ' | `' | ` ' | '' |
| Trans-1,2-dichloroethylene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L ug/L | <1 | <1 | <1 | <1 <1 | <1 <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L ug/L | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L ug/L | <5 | <20 <5 | <20 <5 | <20 <5 | <5 | <20 <5 | <5 | <20 <5 |
| Vinyl chloride | ug/L ug/L | <5 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 | <5 <1 |
| Xylenes, total | ug/L ug/L | <2 | <1 <2 | <1 <2 | <2 | <2 | <2 | <2 | |
| | I UU/L | \ <u>\</u> | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | · |

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

Table 9

Analytical Data Summary for MW-93

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 7/2/2021 | 10/8/2021 | 4/6/2022 |
|--|--------------|-------------|------------|-------------|-------------|-------------|----------|-------------|-------------|
| Heptachlor | <.05 | | | | | | | | |
| Heptachlor epoxide Hexachlorobenzene | <.05 <.05 | | | | | | | | |
| Hexachlorobutadiene | <.05 <8 | | | | | | | | |
| Hexachlorocyclopentadiene | <8 | | | | | | | | |
| Hexachloroethane | <8 | | | | | | | | |
| Hexachloropropene | <8 | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | <8 <1 | | | | | | | | |
| Isobutanol Isodrin | <8 | | | | | | | | |
| Isophorone | <8 | | | | | | | | |
| Isosafrole | <8 | | | | | | | | |
| Kepone | <8 | | | | | | | | |
| Lead, total | <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 |
| Methyl methacrylate | <1 <8 | | | | | | | | |
| Methyl methanesulfonate Methyl parathion | <8 <.4 | | | | | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| Naphthalene | <8 | | | | | | | | |
| Nickel, total | 35.7 | 24.2 | 26.3 | 18.1 | 27.6 | 23.1 | | 21.3 | 20.2 |
| 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 <8 | | | | | | | | |
| N-nitrosopiperidine N-nitrosopyrrolidine | <8 | | | | | | | | |
| O,o,o-triethyl phosphorothioate | <.4 | | | | | | | | |
| O-toluidine | <8 | | | | | | | | |
| Parathion | <.4 | | | | | | | | |
| P-dimethylaminoazobenzene | <8 | | | | | | | | |
| Pentachlorobenzene | <8 <8 | | | | | | | | |
| Pentachloronitrobenzene (pcnb) 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 |
| Silver, total Sodium, total | <4 | <4 | <4 | <4 | <4 | <4 | | <4 | <4 |
| Solids, total dissolved | | | | | | | | | |
| Solids, total suspended | | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Sulfate | | | | | | | | | |
| Sulfide, total Tetrachloroethylene | <.1 <1 | _1 | _1 | 1 | _1 | <1 | | _1 | |
| Thallium, total | <1 <4 | <1 <2 | <1 <2 | <1 <2 | <1 <2 | <1 <2 | | <1 <2 | <1 <2 |
| Thionazin | <.4 | ~2 | -2 | -2 | ~2 | ~2 | | -2 | `~2 |
| Tin, total | <20 | | | | | | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Toxaphene | <.2 | . | | | | | | | |
| Trans-1,2-dichloroethylene Trans-1,3-dichloropropene | <1 <1 | <1 <1 | <1 | <1 <1 | <1 <1 | <1 <1 | | <1 <1 | <1 |
| Trans-1,4-dichloro-2-butene | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <5 | | <1 <5 | <1 <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 <1 | <1 | | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| Vinyl chloride | <1 <2 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Xylenes, total Zinc, total | <20.0 | <2 <20.0 | <2 34.2 | <2 <20.0 | <2 <20.0 | <2 <20.0 | | <2 <20.0 | <2 <20.0 |

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

Table 9

Analytical Data Summary for MW-93

| Magnesium, total Mercury, total Mercury, total Methacry(ontirile Methacry(ontirile Methacry(ontirile Methacry(ontirile Methy) (ontirile Methy) (ont | Constituents | 10/25/2022 | 4/11/2023 | 10/13/2023 | 4/16/2024 | 10/15/2024 |
|--|---------------------------|---------------|-----------|------------|-----------|------------|
| Hexachlorobutalene | | | | | | |
| Hexachlorocyclopentaleine | | | | | | |
| Hexachlorocyclopentadine | | | | | | |
| Hexachloropropene | | | | - | | |
| Indeno(1,2,3-cd)pyrene sobutano solution solut | Hexachloroethane | | | | | |
| Isobutanol | Hexachloropropene | | | | | |
| Isodrin | | | | | | |
| Isophrone | | | | | | |
| | | | | | | |
| Lead, total | | | | | | |
| Magnesium, total Mercury, total Mercury, total Methapyrilene Methapyrilene Methapyrilene Methapyrilene Methapyrilene Methy didde Methy methacrylate Methy parathion Methylene chloride Methylene Methyle | | | | | | |
| Merizary, total | | <4 | <4 | <4 | <4 | <4 |
| Methacrylontirile | | | | | | |
| Methapyrilene | | | | | | |
| Methoxychlor | | | | | | |
| Methy/ methacrylate | | | | | | |
| Methyl methanesulfonate | Methyl iodide | <1 | <1 | | <1 | <1 |
| Methy parathion | | | | | | |
| Methylene chloride | | | | | | |
| Naphthalene | | < 5 | <5 | | <5 | <5 |
| Nicrobenzene | | -5 | -5 | | -5 | -3 |
| Nitrogen, ammonia | ' | 27.9 | 31.8 | - | 25.5 | 27.1 |
| N-nitrosodiethylamine | II I | | | | | |
| N-nitrosodimethylamine | | | | | | |
| N-nitrosodi-n-burylyalmine | | | | | | |
| N-nitroso-din-p-propylamine | | | | | | |
| N-nitrosophenylamine | | | | | | |
| N-nitrosopyrolidine | N-nitrosodiphenylamine | | | <8 | | |
| N-nitrosopyrrolidine | | | | | | |
| O, o, -triethyl phosphorothioate | | | | | | |
| O-toluidine | | | | | | |
| Parathion | | | | | | |
| Pentachlorobenzene | - | | | | | |
| Pentachloronitrobenzene (pcnb) | P-dimethylaminoazobenzene | | | <8 | | |
| Pentachlorophenol Phenacetin Phenaceti | | | | | | |
| Phenacetin Phenanthrene Phenol Phenol Phenol Phenol Phenol Phenol Phorate Potassium, total Pronamide Propionitrile Pyrene Safrole Selenium, total Silver, total Solids, total dissolved Solids, total suspended Styrene Sulfide | | | | | | |
| Phenanthrene | | | | | | |
| Phenol Phorate Potassium, total Propriorite Potassium, total Proprioritrile P | II I | | | | | |
| Potassium, total Pronamide Propionitrile Propionitrile Pyrene Safrole Selenium, total Selenium, total Solids, total dissolved Solids, total suspended Styrene Suffide, total Sulfiate Sulfide, total Sulfiate Sulfide, total Solids, total suspended Styrene Sulfide, total Solids, total suspended Styrene Sulfide, total Sulfiate Sulfide, total Sulfiate Sulfide, total Solids, total suspended Styrene Sulfide, total Sulfiate | | | | | | |
| Propionitrile | | | | <.4 | | |
| Propionitrile | | | | | | |
| Pyrene Safrole Safrole Safrole Safrole Safrole Selenium, total Selenium, total Selenium, total Selenium, total Solidium, total Solidium, total Solidium, total Solidium, total Solidium, total Solidium, total Sulfate Sulfide, total Sulfate Sulfat | II I | | | | | |
| Safrole Selenium, total Selenium, total Selenium, total Selenium, total Solids, total dissolved Solids, total dissolved Solids, total suspended Styrene Styrene Sulfide, total Sulfide Sulfide, total Sulfide Sulfide, total Sulfide Sulfide, total Sulfide, total | | | | | | |
| Selenium, total | | | | | | |
| Sodium, total Solids, total dissolved Solids, total dissolved Solids, total suspended Styrene Sulfate Sulfide, total Sulfate | | <4 | <4 | | <4 | <4 |
| Solids, total dissolved Solids, total suspended Styrene Styrene Styrene Styrene Sulfiate Sulfide, total Styrene S | Silver, total | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended Styrene Solifate Sulfiate Sulfide, total Sulfide, total | | | | | | |
| Styrene | | | | | | |
| Sulfate Sulfide, total | | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total Tetrachloroethylene <1 | | 31 | - 1 | `` | ` | `' |
| Thallium, total | Sulfide, total | | | <.1 | | |
| Thionazin | | | | | | <1 |
| Tin, total | | <2 | <2 | | <2 | <2 |
| Toluene | | | | | | |
| Toxaphene | | <1 | <1 | | <1 | <1 |
| Trans-1,2-dichloroethylene | | 31 | - 1 | | ` ' | ` ' |
| Trans-1,4-dichloro-2-butene <5 | | <1 | <1 | | <1 | <1 |
| Trichloroethylene | | • | - | | | <1 |
| Trichlorofluoromethane <1 | | | | | | <5 |
| Vanadium, total <20 | | | | | | |
| Vinyl acetate <5 | | | | | | |
| Vinyl chloride <1 | | | | | | <5 |
| Xylenes, total | | | | | | <1 |
| Zinc, total $ <20.0 <20.0 <20.0 21.4 <20.0$ | Xylenes, total | <2 | | | | <2 |
| | Zinc, total | <20.0 | <20.0 | <20.0 | 21.4 | <20.0 |

^{* -} 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 |
|--|--------------|------------|----------|-----------|-----------|------------|-----------|-----------|-----------|
| (3 4)-methylphenol | ug/L | | | | | | | <8 | |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | 16.1 | 11.3 | 8.2 | 8.6 | 9.8 | 7.7 | 8.3 | 5.7 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | ug/L | | | | | | | <1 | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | | | | | <8 | |
| 1,2,4-trichlorobenzene | ug/L | | | | | | | <1 | |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1.0 | <1.0 | 1.1 | <1.0 | 1.9 | 1.4 | 1.5 | 1.3 |
| 1,2-dichloropropane | ug/L | 3.8 | <1.0 | 2.4 | <1.0 | 2.8 | 2.7 | 3.2 | 2.9 |
| 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 | | -1 | -1 | _1 | | | <8 | -1 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 <8 | <1 |
| 1,4-naphthoquinone | ug/L ug/L | | | | | | | <8 <8 | |
| 1,4-phenylenediamine 1-naphthylamine | ug/L ug/L | | | | | | | <8 <8 | |
| 1-napnthylamine 2,2-dichloropropane | ug/L ug/L | | | | | | | <8 <1 | |
| 2,3,4,6-tetrachlorophenol | ug/L ug/L | | | | | | | <8 | |
| 2,3,4,6-tetracrilorophenor | ug/L ug/L | | | | | | | <.5 | |
| 2,4,5-t 2,4,5-tp (silvex) | ug/L ug/L | | | | | | | <.5 | |
| 2,4,5-trichlorophenol | ug/L ug/L | | | | | | | <8 | |
| 2,4,6-trichlorophenol | ug/L | | | | | | | <8 | |
| 2,4-d | ug/L | | | | | | | <2 | |
| 2,4-dichlorophenol | ug/L | | | | | | | <8 | |
| 2,4-dimethylphenol | ug/L | | | | | | | <8 | |
| 2,4-dinitrophenol | ug/L | | | | | | | <8 | |
| 2,4-dinitrotoluene | ug/L | | | | | | | <8 | |
| 2,6-dichlorophenol | ug/L | | | | | | | <8 | |
| 2,6-dinitrotoluene | ug/L | | | | | | | <8 | |
| 2-acetylaminofluorene | ug/L | | | | | | | <8 | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-chloronaphthalene | ug/L | - | _ | Ţ | _ | _ | | <8 | - |
| 2-chlorophenol | ug/L | | | | | | | <8 | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | ug/L | | | | | | | <8 | |
| 2-methylphenol | ug/L | | | | | | | <8 | |
| 2-naphthylamine | ug/L | | | | | | | <8 | |
| 2-nitroaniline | ug/L | | | | | | | <8 | |
| 2-nitrophenol | ug/L | | | | | | | <8 | |
| 3,3'-dichlorobenzidine | ug/L | | | | | | | <8 | |
| 3,3'-dimethylbenzidine | ug/L | | | | | | | <8> | |
| 3-methylcholanthrene | ug/L | | | | | | | <8 | |
| 3-nitroaniline | ug/L | | | | | | | <8 | |
| 4,4´-ddd | ug/L | | | | | | | <.05 | |
| 4,4´-dde | ug/L | | | | | | | <.05 | |
| 4,4´-ddt | ug/L | | | | | | | <.05 | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | | | | <8 | |
| 4-aminobiphenyl | ug/L | | | | | | | <8 | |
| 4-bromophenyl phenyl ether | ug/L | | | | | | | <8 | |
| 4-chloro-3-methylphenol | ug/L | | | | | | | <8 | |
| 4-chloroaniline | ug/L | | | | | | | <8 | |
| 4-chlorophenyl phenyl ether | ug/L | | | | | | | <8 | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | ug/L | | | | | | | <8 | |
| 4-nitrophenol | ug/L | | | | | | | <8 | |
| 5-nitro-o-toluidine | ug/L | | | | | | | <8 | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | | | | <8 | |
| Acenaphthene | ug/L | | | | | | | <8 | |
| Acenaphthylene | ug/L | | | | | | | <8 | |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 38.8 | <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 |
| Aldrin | ug/L | | | | | | | <.05 | |
| Alkalinity, as caco3 | mg/L | 836 | 890 | 828 | | 842 | | | |
| Allyl chloride | ug/L | | | | | | | <1 | |
| Alpha-bhc | ug/L | | | | | | | <.05 | |

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

Table 9

Analytical Data Summary for MW-94

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|---|------------|-----------|------------|-----------|------------|----------|-----------|----------|------------|
| (3 4)-methylphenol | | | | | | | | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 <1 |
| 1,1,1-trichloroethane 1,1,2,2-tetrachloroethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,1,2,2-tetrachioroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | 6.0 | 5.4 | 4.3 | 3.5 | 3.8 | 1.8 | 2.6 | 1.9 | 2.4 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | | | | | | | | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | | | | | | |
| 1,2,4-trichlorobenzene 1,2-dibromo-3-chloropropane | <1 | <1 | <1 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1.2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-dichloropropane | 4.5 | 3.0 | 2.4 | 2.2 | 2.7 | 1.6 | 2.2 | 1.7 | 2.1 |
| 1,2-dinitrobenzene 1,3,5-trinitrobenzene | | | | | | | | | |
| 1,3,3-titilitioberizerie | | | | | | | | | |
| 1,3-dichloropropane | | | | | | | | | |
| 1,3-dinitrobenzene | | | | | | | | | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | | | | | | | | | |
| 1,4-phenylenediamine 1-naphthylamine | | | | | | | | | |
| 1-napnthylamine 2,2-dichloropropane | | | | | | | | | |
| 2,3,4,6-tetrachlorophenol | | | | | | | | | |
| 2,4,5-t | | | | | | | | | |
| 2,4,5-tp (silvex) | | | | | | | | | |
| 2,4,5-trichlorophenol | | | | | | | | | |
| 2,4,6-trichlorophenol 2,4-d | | | | | | | | | |
| 2,4-dichlorophenol | | | | | | | | | |
| 2,4-dimethylphenol | | | | | | | | | |
| 2,4-dinitrophenol | | | | | | | | | |
| 2,4-dinitrotoluene | | | | | | | | | |
| 2,6-dichlorophenol | | | | | | | | | |
| 2,6-dinitrotoluene 2-acetylaminofluorene | | | | | | | | | |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 |
| 2-chloronaphthalene | | .0 | | | .0 | | | | |
| 2-chlorophenol | | | | | | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | | | | | | |
| 2-methylphenol 2-naphthylamine | | | | | | | | | |
| 2-nitroaniline | | | | | | | | | |
| 2-nitrophenol | | | | | | | | | |
| 3,3'-dichlorobenzidine | | | | | | | | | |
| 3,3'-dimethylbenzidine | | | | | | | | | |
| 3-methylcholanthrene 3-nitroaniline | | | | | | | | | |
| 4.4'-ddd | | | | | | | | | |
| 4,4'-dde | | | | | | | | | |
| 4,4'-ddt | | | | | | | | | |
| 4,6-dinitro-2-methylphenol | | | | | | | | | |
| 4-aminobiphenyl 4-bromophenyl phenyl ether | | | | | | | | | |
| 4-chloro-3-methylphenol | | | | | | | | | |
| 4-chloroaniline | | | | | | | | | |
| 4-chlorophenyl phenyl ether | | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | | | | | | |
| 4-nitrophenol 5-nitro-o-toluidine | | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | | | | | | |
| Acenaphthene | | | | | | | | | |
| Acenaphthylene | | | | | | | | | |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonitrile | | | | | | | | | |
| Acetophenone Acrolein | | | | | | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | | | | | | | | | " |
| Alkalinity, as caco3 | | | | 919 | | 904 | | 923 | |
| Allyl chloride | | | | | | | | | |
| Alpha-bhc | | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-94

| Constituents | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|--|------------|------------|-----------|------------|
| (3 4)-methylphenol | | | | |
| 1,1,1,2-tetrachloroethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | 1.6 | 2.4 | 1.3 | 1.0 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane 1,2,4,5-tetrachlorobenzene | ` ' | ` | ~1 | `' |
| 1,2,4-trichlorobenzene | | | | |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene 1,2-dichloroethane | <1 <1.0 | <1 <1.0 | <1.0 | <1 <1.0 |
| 1,2-dichloropropane | 1.4 | 2.2 | 1.1 | 1.0 |
| 1,2-dinitrobenzene | | 2.2 | | 1.0 |
| 1,3,5-trinitrobenzene | | | | |
| 1,3-dichlorobenzene | | | | |
| 1,3-dichloropropane 1,3-dinitrobenzene | | | | |
| 1,3-difiliobenzene 1,4-dichlorobenzene | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | " | | - 1 | `' |
| 1,4-phenylenediamine | | | | |
| 1-naphthylamine | | | | |
| 2,2-dichloropropane | | | | |
| 2,3,4,6-tetrachlorophenol | | | | |
| 2,4,5-tp (silvex) | | | | |
| 2,4,5-trichlorophenol | | | | |
| 2,4,6-trichlorophenol | | | | |
| 2,4-d | | | | |
| 2,4-dichlorophenol 2,4-dimethylphenol | | | | |
| 2,4-dinitrophenol | | | | |
| 2,4-dinitrotoluene | | | | |
| 2,6-dichlorophenol | | | | |
| 2,6-dinitrotoluene | | | | |
| 2-acetylaminofluorene 2-butanone (mek) | <10 | <10 | <10 | <10 |
| 2-chloronaphthalene | 10 | 10 | 110 | 10 |
| 2-chlorophenol | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | |
| 2-methylphenol 2-naphthylamine | | | | |
| 2-nitroaniline | | | | |
| 2-nitrophenol | | | | |
| 3,3'-dichlorobenzidine | | | | |
| 3,3'-dimethylbenzidine 3-methylcholanthrene | | | | |
| 3-nitroaniline | | | | |
| 4,4'-ddd | | | | |
| 4,4'-dde | | | | |
| 4,4'-ddt | | | | |
| 4,6-dinitro-2-methylphenol 4-aminobiphenyl | | | | |
| 4-aminobipnenyi 4-bromophenyl phenyl ether | | | | |
| 4-chloro-3-methylphenol | | | | |
| 4-chloroaniline | | | | |
| 4-chlorophenyl phenyl ether | . <u>-</u> | _ | | |
| 4-methyl-2-pentanone (mibk) 4-nitroaniline | <5 | <5 | <5 | <5 |
| 4-nitrophenol | | | | |
| 5-nitro-o-toluidine | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | |
| Acenaphthene | | | | |
| Acetana | 2100 | 45.0 | -10.0 | -10.0 |
| Acetone Acetonitrile | <10.0 | 15.6 | <10.0 | <10.0 |
| Acetophenone | | | | |
| Acrolein | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 |
| Alladiaita | | | 202 | 750 |
| Alkalinity, as caco3 Allyl chloride | 775 | | 698 | 752 |
| Alpha-bhc | | | | |
| | | | | |

^{* -} 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 |
|--|--------------|------------|----------|-----------|-----------|------------|------------|--------------|----------------|
| Anthracene | ug/L | | | | | | | <8 | |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 | ug/L | | | | | | | <.1 | |
| Arochlor 1221 | ug/L | | | | | | | <.2 | |
| Arochlor 1232 | ug/L | | | | | | | <.2 | |
| Arochlor 1242 | ug/L | | | | | | | <.2 | |
| Arochlor 1248 | ug/L | | | | | | | <.2 | |
| Arochlor 1254 | ug/L | | | | | | | <.1 | |
| Arochlor 1260 | ug/L | | | | | | | <.1 | |
| Arsenic, total | ug/L | 10.4 | 7.3 | 8.1 | 9.1 | 27.7 | 11.6 | 21.1 | 28.0 |
| Azobenzene | ug/L | 040 | 000 | 007 | 0.40 | | 000 | <8 | 450 |
| Barium, total | ug/L | 316 | 383 | 367 | 342 | 576 | 322 | 401 | 452 |
| Benzene | ug/L | 4.2 | 2.6 | 3.2 | 3.5 | 4.5 | 2.8 | 3.6 | 2.4 |
| Benzo(a)anthracene | ug/L | | | | | | | <8 <8 | |
| Benzo(a)pyrene | ug/L | | | | | | | <8 | |
| Benzo(b)fluoranthene | ug/L ug/L | | | | | | | <8 | |
| Benzo(g,h,i)perylene Benzo(k)fluoranthene | ug/L | | | | | | | <8 | |
| Benzyl alcohol | ug/L | | | | | | | <8 | |
| Beryllium, total | ug/L ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Beta-bhc | ug/L | \ | ~4 | ~4 | ~4 | ~ | ~ 4 | <.05 | \ 4 |
| Bis (2-chloroethoxy) methane | ug/L | | | | | | | <.03 <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 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | ug/L | | | | • | | • | <8 | |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | mg/L | 188 | 207 | 190 | | 214 | | | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | ug/L | | | | | | | <.1 | |
| Chloride | mg/L | <10.0 | <10.0 | <10.0 | | 7.3 | | | |
| Chlorobenzene | ug/L | <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 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | ug/L | | | | | | | <1 | |
| Chromium, total | ug/L | <8> | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Chrysene | ug/L | | | | | | | <8 | |
| Cis-1,2-dichloroethylene | ug/L | 144.0 | 102.0 | 88.2 | 89.5 | 63.0 | 43.3 | 56.4 | 28.6 |
| Cis-1,3-dichloropropene | ug/L | <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 |
| Copper, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Cyanide, total | mg/L | | | | | | | <.005 | |
| Delta-bhc | ug/L | | | | | | | <.05 | |
| Diallate | ug/L | | | | | | | <8 | |
| Dibenzo(a,h)anthracene | ug/L | | | | | | | <8 | |
| Dibenzofuran | ug/L | | | | | | | <8 | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | | | | | | | <1 | |
| Dieldrin | ug/L | | | | | | | <.05 | |
| Diethyl phthalate | ug/L | | | | | | | <8 | |
| Dimethoate | ug/L | | | | | | | <.4 | |
| Dimethylphthalate Di-n-butyl phthalate | ug/L ug/L | | | | | | | <8 <8 | |
| Di-n-octyl phthalate | | | | | | | | <8 | |
| | ug/L | | | | | | | | |
| Dinoseb Diphenylamine | ug/L ug/L | | | | | | | <.5 <8 | |
| Disulfoton | ug/L ug/L | | | | | | | <.4 | |
| Endosulfan i | ug/L ug/L | | | | | | | <.05 | |
| Endosulfan ii | ug/L ug/L | | | | | | | <.05 | |
| Endosulfan sulfate | ug/L ug/L | | | | | | | <.05 | |
| Endrin | ug/L ug/L | | | | | | | <.05 | |
| Endrin Endrin aldehyde | ug/L ug/L | | | | | | | <.05 | |
| Ethane | ug/L ug/L | | | | | | | \. 05 | |
| Ethene | | | | | | | | | |
| Ethene Ethyl methacrylate | ug/L | | | | | | | <10 | |
| | ug/L | | | | | | | <10 <8 | |
| Ethyl methanesulfonate Ethylbenzene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <8 <1 | <1 |
| Famphur | ug/L ug/L | | `` | `` | `' | `' | | <.4 | ` |
| | ug/L ug/L | I | l | İ | | 1 | | <.4 <8 | |

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

Table 9

Analytical Data Summary for MW-94

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|--|------------|------------|------------|------------|------------|-----------|-----------|-----------|------------|
| Anthracene | | -0 | | -10 | -10 | -0 | -10 | -10 | -10 |
| Antimony, total Arochlor 1016 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1221 | | | | | | | | | |
| Arochlor 1232 | | | | | | | | | |
| Arochlor 1242 | | | | | | | | | |
| Arochlor 1248 Arochlor 1254 | | | | | | | | | |
| Arochlor 1254 | | | | | | | | | |
| Arsenic, total | 6.4 | 18.6 | 13.4 | 26.4 | 27.6 | 43.9 | 25.3 | 51.5 | 31.5 |
| Azobenzene | | | | | | | | | |
| Barium, total | 504 3.5 | 388 2.5 | 374 2.3 | 366 2.2 | 332 2.4 | 414 | 401 | 401 | 356 2.1 |
| Benzene Benzo(a)anthracene | 3.5 | 2.5 | 2.3 | 2.2 | 2.4 | 1.6 | 1.6 | 2.1 | 2.1 |
| Benzo(a)pyrene | | | | | | | | | |
| Benzo(b)fluoranthene | | | | | | | | | |
| Benzo(g,h,i)perylene | | | | | | | | | |
| Benzo(k)fluoranthene Benzyl alcohol | | | | | | | | | |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Beta-bhc | | | | | | | | | |
| Bis (2-chloroethoxy) methane | | | | | | | | | |
| Bis(2-chloroethyl) ether Bis(2-chloroisopropyl) ether | | | | | | | | | |
| Bis(2-chioroisopropyr) ether | | | | | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform Bromomethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Bromomethane Butyl benzyl phthalate | `' | ~1 | | | ~1 | | | ` | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | | | | | | |
| Carbon disulfide | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Carbon tetrachloride Chlordane | ` ' | <u> </u> | <u> </u> | ` ' | <u> </u> | <u> </u> | <u> </u> | | |
| Chloride | | | | | | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | 5.2 | E 4 | 6.0 | 4.4 | 5.2 | 2.7 | 4.0 | 4.6 | 4.7 |
| Chloroethane Chloroform | 5.2 | 5.4 <1 | 6.0 <1 | 4.4 <1 | 5.2 <1 | 3.7 <1 | 4.0 <1 | 4.6 <1 | 4.7 <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | | | | _ | | _ | _ | _ | _ |
| Chronium, total | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Chrysene Cis-1,2-dichloroethylene | 27.4 | 30.2 | 23.0 | 21.4 | 27.4 | 13.2 | 25.1 | 18.2 | 29.4 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | 30.9 | 24.7 | 27.5 | 28.1 | 23.2 | 21.0 | 23.7 | 19.9 | 25.4 |
| Copper, total Cyanide, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 5.2 | <4.0 |
| Delta-bhc | | | | | | | | | |
| Diallate | | | | | | | | | |
| Dibenzo(a,h)anthracene | | | | | | | | | |
| Dibenzofuran Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 <1 |
| Dichlorodifluoromethane | ' | | | . | · | | · | | . |
| Dieldrin | | | | | | | | | |
| Diethyl phthalate Dimethoate | | | | | | | | | |
| Dimethoate Dimethylphthalate | | | | | | | | | |
| Di-n-butyl phthalate | | | | | | | | | |
| Di-n-octyl phthalate | | | | | | | | | |
| Dinoseb Diphenylamine | | | | | | | | | |
| Dipriengiamine Disulfoton | | | | | | | | | |
| Endosulfan i | | | | | | | | | |
| Endosulfan ii | | | | | | | | | |
| Endosulfan sulfate Endrin | | | | | | | | | |
| Endrin Endrin aldehyde | | | | | | | | | |
| Ethane | | | | <10 | | <10 | | | |
| Ethene | | | | <10 | | <10 | | | |
| Ethyl methacrylate | | | | | | | | | |
| Ethyl methanesulfonate Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene Famphur | " | `1 | | | ~1 | | | ` | |
| Fluoranthene | | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-94

| Constituents | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|--|------------|------------|-----------|------------|
| Anthracene | | .0 | | .0 |
| Antimony, total Arochlor 1016 | <2 | <2 | <2 | <2 |
| Arochlor 1221 | | | | |
| Arochlor 1232 | | | | |
| Arochlor 1242 | | | | |
| Arochlor 1248 | | | | |
| Arochlor 1254 | | | | |
| Arochlor 1260 | | | | |
| Arsenic, total Azobenzene | 68.7 | 28.1 | 95.9 | 75.8 |
| Barium, total | 370 | 413 | 308 | 305 |
| Benzene | 1.9 | 1.7 | 2.0 | 1.8 |
| Benzo(a)anthracene | | | | |
| Benzo(a)pyrene | | | | |
| Benzo(b)fluoranthene | | | | |
| Benzo(g,h,i)perylene | | | | |
| Benzo(k)fluoranthene Benzyl alcohol | | | | |
| Beryllium, total | <4 | <4 | <4 | <4 |
| Beta-bhc | | | | • |
| Bis (2-chloroethoxy) methane | | | | |
| Bis(2-chloroethyl) ether | | | | |
| Bis(2-chloroisopropyl) ether | | | | |
| Bis(2-ethylhexyl) phthalate Bromochloromethane | <1 | <1 | <1 | <1 |
| Bromocniorometnane Bromodichloromethane | <1 <1 <1 < | <1 <1 | <1 <1 | <1 <1 |
| Bromoform | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | |
| Carbon disulfide Carbon tetrachloride | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Chlordane | `' | ` ' | `' | `' |
| Chloride | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 |
| Chlorobenzilate | | | | |
| Chloroethane | 4.0 | 4.5 | 4.3 | 3.0 |
| Chloroform | <1 | <1 | <1 | <1 |
| Chloromethane Chloroprene | <1 | <1 | <1 | <1 |
| Chromium, total | <8 | <8 | <8 | <8 |
| Chrysene | | | ١ | ٦ |
| Cis-1,2-dichloroethylene | 11.4 | 29.4 | 5.2 | 6.0 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Cobalt, total | 17.0 | 17.2 | 10.2 | 8.8 |
| Copper, total Cyanide, total | <4.0 | <4.0 | <4.0 | <4.0 |
| Delta-bhc | | | | |
| Diallate | | | | |
| Dibenzo(a,h)anthracene | | | | |
| Dibenzofuran | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 |
| Dibromomethane | <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 Ethene | | | | <5 <5 |
| Ethene Ethyl methacrylate | | | | ^0 |
| Ethyl methanesulfonate | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 |
| Famphur | | | | |
| Fluoranthene | <u> </u> | | | |

^{* -} 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 |
|---|--------------|------------|----------|-----------|-----------|------------|-----------|-----------|-----------|
| 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 Hexachloroethane | ug/L | | | | | | | <8 <8 | |
| Hexachloropropene | ug/L ug/L | | | | | | | <8 | |
| Indeno(1,2,3-cd)pyrene | ug/L 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 |
| Magnesium, total | mg/L | 80.0 | 83.9 | 84.5 | | 87.4 | | | |
| 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 |
| Methyl methacrylate | ug/L | | | | | | | <1 | |
| Methyl methanesulfonate | ug/L | | | | | | | <8 | |
| Methyl parathion | ug/L | | | | | | | <.4 | |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | ug/L | | | | | | | <8 | |
| Nickel, total | ug/L | 21.4 | 20.8 | 20.8 | 24.0 | 35.8 | 20.9 | 36.2 | 20.9 |
| 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 <8 | |
| P-dimethylaminoazobenzene Pentachlorobenzene | ug/L | | | | | | | <8 | |
| Pentachloronitrobenzene (pcnb) | ug/L ug/L | | | | | | | <8 | |
| Pentachlorophenol | ug/L ug/L | | | | | | | <8 | |
| pH | pH | | | | | | | | |
| Phenacetin | ug/L | | | | | | | <8 | |
| Phenanthrene | ug/L ug/L | | | | | | | <8 | |
| Phenol | ug/L ug/L | | | | | | | <8 | |
| Phorate | ug/L 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 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Sodium, total | mg/L | 21.5 | 20.6 | 12.7 | | 14.9 | " | | . 1 |
| 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 |
| 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 |
| Thallium, total | ug/L | <4 | <4 | <1 | <4 | <4 | <4 | <4 | <4 |
| Thionazin | ug/L | | | | | | | <.4 | |
| Tin, total | ug/L | | | | | | | <20 | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 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 |
| 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 | 2.0 | 1.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |

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

Table 9

Analytical Data Summary for MW-94

| | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|--|------------|------------|------------|-----------|------------|------------|------------|------------|------------|
| Fluorene Gamma-bhc (lindane) | | | | | | | | | |
| Heptachlor | | | | | | | | | |
| Heptachlor epoxide | | | | | | | | | |
| Hexachlorobenzene Hexachlorobutadiene | | | | | | | | | |
| Hexachlorocyclopentadiene | | | | | | | | | |
| Hexachloroethane | | | | | | | | | |
| Hexachloropropene | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene Isobutanol | | | | | | | | | |
| Isodrin | | | | | | | | | |
| Isophorone | | | | | | | | | |
| Isosafrole Kepone | | | | | | | | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | | | | | | | | | |
| Mercury, total | | | | | | | | | |
| Methacrylonitrile Methane | | | | 4440 | | 10500 | | | |
| Methapyrilene | | | | 7770 | | 10000 | | | |
| Methoxychlor | | | | | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate Methyl methanesulfonate | | | | | | | | | |
| Methyl parathion | | | | | | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene Nickel, total | 24.6 | 19.3 | 23.9 | 20.8 | 20.8 | 13.5 | 16.1 | 12.4 | 18.0 |
| Nitrobenzene | 24.0 | 19.5 | 23.9 | 20.0 | 20.0 | 13.5 | 10.1 | 12.4 | 10.0 |
| Nitrogen, ammonia | | | | | | | | | |
| N-nitrosodiethylamine | | | | | | | | | |
| N-nitrosodimethylamine N-nitrosodi-n-butylamine | | | | | | | | | |
| N-nitrosodi-n-propylamine | | | | | | | | | |
| N-nitrosodiphenylamine | | | | | | | | | |
| N-nitrosomethylethylamine | | | | | | | | | |
| N-nitrosopiperidine N-nitrosopyrrolidine | | | | | | | | | |
| O,o,o-triethyl phosphorothioate | | | | | | | | | |
| O-toluidine | | | | | | | | | |
| Parathion P-dimethylaminoazobenzene | | | | | | | | | |
| Pentachlorobenzene | | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | | | | | | | | | |
| Pentachlorophenol | | | | 0.0 | | 0.0 | | 0.5 | |
| pH Phenacetin | | | | 6.6 | | 6.6 | | 6.5 | |
| Phenanthrene | | | | | | | | | |
| Phenol | | | | | | | | | |
| Phorate Potassium, total | | | | | | | | | |
| Pronamide | | | | | | | | | |
| Propionitrile | | | | | | | | | |
| Pyrene | | | | | | | | | |
| Safrole Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Sodium, total | | | | | | | | | |
| Solids, total dissolved | | | | | | | | | |
| Solids, total suspended Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | -1 | " | *1 | " | *1 | " | *1 | | - 1 |
| Sulfide, total | | | | | | | | | |
| Tetrachloroethylene | <1 <4 | <1 <2 | <1 | <1 | <1 | <1 | <1 | <1 <2 | <1 |
| Thallium, total Thionazin | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Tin, total | | | | | | | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene Trans-1,2-dichloroethylene | <1.0 | <1.0 | <1.0 | 1.0 | 1.2 | <1.0 | <1.0 | <1.0 | 1.2 |
| Trans-1,2-dichloroethylene | <1.0 <1 | <1.0 <1 | <1.0 <1 | 1.0 <1 | 1.2 <1 | <1.0 <1 | <1.0 <1 | <1.0 <1 | 1.2 <1 |
| Trans-1,4-dichloro-2-butene | <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 |
| Trichlorofluoromethane Vanadium, total | <1 <20 | <1 <20 | <1 <20 | <1 <20 | <1 <20 | <1 <20 | <1 <20 | <1 <20 | <1 <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |

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

Table 9

Analytical Data Summary for MW-94

| Constituents | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|--|---------------|------------|---------------|------------|
| Fluorene | | | | |
| Gamma-bhc (lindane) Heptachlor | | | | |
| Heptachlor epoxide | | | | |
| Hexachlorobenzene | | | | |
| Hexachlorobutadiene Hexachlorocyclopentadiene | | | | |
| Hexachloroethane | | | | |
| Hexachloropropene | | | | |
| Indeno(1,2,3-cd)pyrene | | | | |
| Isodrin | | | | |
| Isophorone | | | | |
| Isosafrole | | | | |
| Kepone Lead, total | <4 | <4 | <4 | <4 |
| Magnesium, total | | | | " |
| Mercury, total | | | | |
| Methacrylonitrile Methane | | | | 1380 |
| Methapyrilene | | | | 1360 |
| Methoxychlor | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 |
| Methyl methacrylate Methyl methanesulfonate | | | | |
| Methyl parathion | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 |
| Naphthalene Nickel, total | 12.0 | 9.6 | 9.2 | 7.4 |
| Nitrobenzene | 12.0 | 9.0 | 9.2 | 7.4 |
| 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 | 6.5 | | 6.6 | 6.4 |
| Phenacetin | 0.5 | | 0.0 | 0.4 |
| Phenanthrene | | | | |
| Phenol | | | | |
| Phorate Potassium, total | | | | |
| Pronamide | | | | |
| Propionitrile | | | | |
| Pyrene Safrole | | | | |
| Sarrole Selenium, total | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 |
| Sodium, total | | | | |
| Solids, total dissolved Solids, total suspended | | | | |
| Styrene | <1 | <1 | <1 | <1 |
| Sulfate | | | | |
| Sulfide, total | ٠.٨ | | ا بر | |
| Tetrachloroethylene Thallium, total | <1 <2 | <1 <2 | <1 <2 | <1 <2 |
| Thionazin | | 12 | | |
| Tin, total | | | | |
| Toluene Toxaphene | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1.0 | 1.6 | <1.0 | <1.0 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 |
| Trichloroethylene Trichlorofluoromethane | <1.0 <1 | <1.0 <1 | <1.0 <1 | <1.0 <1 |
| Vanadium, total | <20 | <20 | <20 | <20 |
| Vinyl acetate | < 5 | <5 | < 5 | <5 |
| | | | | |

^{* -} 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 |
|----------------|-------|------------|----------|-----------|-----------|------------|-----------|-----------|-----------|
| Vinyl chloride | ug/L | 6.2 | 4.5 | 3.6 | 2.9 | 2.6 | 3.2 | 2.0 | 2.0 |
| Xylenes, total | ug/L | <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 |

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

Table 9

Analytical Data Summary for MW-94

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|----------------|------------|-----------|------------|-----------|------------|----------|-----------|----------|------------|
| Vinyl chloride | 2.2 | 1.7 | <1.0 | 1.1 | 1.1 | <1.0 | <1.0 | <1.0 | 1.2 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | 29.7 | <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-94

| Constituents | 4/11/2023 | 10/13/2023 | 4/17/2024 | 10/15/2024 |
|----------------|-----------|------------|-----------|------------|
| Vinyl chloride | 2.1 | 2.0 | 2.2 | 2.0 |
| Xylenes, total | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | <20.0 | 20.3 |

^{* -} 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 |
|---|--------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| 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 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,4-dichlorobenzene 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L ug/L | <5 <5 | <5 | <5 <5 | <5 | <5 <5 | <5 | <5 <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L ug/L | <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 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Alkalinity, as caco3 | mg/L | 418 | 373 | 373 | | 358 | | .0 | |
| 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 | 37.1 | 38.5 | 34.1 | 40.3 | 32.1 | 52.1 | 35.6 | 40.5 |
| 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 | 163 | 178 | 144 | | 170 | | | |
| 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 | | <1 | | | |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform Chloromethane | ug/L | <1 <1 | <1 | <1 <1 | <1 <1 | <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 ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | mg/L | 42.5 | 43.8 | 39.2 | | 41.6 | | | |
| 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 | 3.0 | 2.9 | 3.0 | _ | 3.2 | | | |
| Selenium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| 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 | -4 | -4 | -4 | -4 | -4 | -4 |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate Tetrachloroethylene | mg/L ug/L | 318 <1 | 239 <1 | 241 <1 | <1 | 235 <1 | <1 | <1 | <1 |
| Thallium, total | ug/L ug/L | <4 | <4 | <1 | <4 | <4 | <4 | <4 | <4 |
| Toluene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L ug/L | <1 <1 | <1 | <1 | <1 | <1 <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L 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 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |

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

Table 9

Analytical Data Summary for MW-95

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|-----------------------------|------------|-----------|------------|-----------|------------|----------|-----------|----------|------------|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <1 | <1 | <1 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Alkalinity, as caco3 | | | | | | | | | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Barium, total | 36.9 | 40.0 | 37.8 | 39.9 | 33.6 | 41.9 | 30.5 | 30.3 | 31.4 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | | | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloride | | | | | | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | <.8 | <.8 | <.8 | <.4 | <.4 | <.4 | <.4 | .4 | <.4 |
| Copper, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | | | | | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Nitrogen, ammonia | | | | | | | | | |
| Potassium, total | | | | | | | | | |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <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 |
| Sulfate | | | | | | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| HVI III | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Xylenes, total | 31.5 | <20.0 | 26.5 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |

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

Table 9

Analytical Data Summary for MW-95

| Constituents | 4/11/2023 | 10/13/2023 | 1/25/2024 | 4/17/2024 | 10/15/2024 |
|---|-----------|------------|-----------|-------------------------------|------------|
| 1,1,1,2-tetrachloroethane | <1 | <1 | | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | | <1 | <1 |
| 1,2-dibromo-3-chloropropane 1,2-dibromoethane | <5 <1 | <5 <1 | | <5 <1 | <5 <1 |
| 1,2-dibromoetrarie | <1 | <1 | | <1 | <1 |
| 1.2-dichloroethane | <1 | <1 | | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | | <i< td=""><td><1</td></i<> | <1 |
| 1,4-dichlorobenzene | <1 | <1 | | <1 | <1 |
| 2-butanone (mek) | <10 | <10 | | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | .40.0 | <5 | <5 |
| Acetone | <10.0 | 10.7 <5 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile Alkalinity, as caco3 | <5 | < 5 | | <5 | <5 |
| Antimony, total | <2 | <2 | | <2 | <2 |
| Arsenic, total | <4 | <4 | | <4 | <4 |
| Barium, total | 39.6 | 29.3 | | 42.7 | 32.3 |
| Benzene | <1 | <1 | | <1 | <1 |
| Beryllium, total | <4 | <4 | | <4 | <4 |
| Bromochloromethane | <1 | <1 | | <1 | <1 |
| Bromodichloromethane | <1 | <1 | | <1 | <1 |
| Bromoform Bromomethane | <1 <1 | <1 <1 | | <1 <1 | <1 <1 |
| Cadmium, total | <.8 | <.8 | | <.8 | <.8 |
| Calcium, total | \.0 | ٧.٥ | | \.0 | ١.٥ |
| Carbon disulfide | <1 | <1 | | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | | <1 | <1 |
| Chloride | | | | | |
| Chlorobenzene | <1 | <1 | | <1 | <1 |
| Chloroethane | <1 | <1 | | <1 | <1 |
| Chloroform | <1 | <1 | | <1 | <1 |
| Chloromethane Chromium, total | <1 <8 | <1 <8 | | <1 <8 | <1 <8 |
| Ciromium, total Cis-1,2-dichloroethylene | <0 <1 | <0 <1 | | \ <1 | <0 <1 |
| Cis-1,3-dichloropropene | <1 | <1 | | <1 | <1 |
| Cobalt, total | .4 | <.4 | | <.4 | <.4 |
| Copper, total | <4 | <4 | | <4 | <4 |
| Dibromochloromethane | <1 | <1 | | <1 | <1 |
| Dibromomethane | <1 | <1 | | <1 | <1 |
| Ethylbenzene | <1 | <1 | | <1 | <1 |
| Lead, total | <4 | <4 | | <4 | <4 |
| Magnesium, total | <1 | <1 | | <1 | <1 |
| Methyl iodide Methylene chloride | <5 | <5 | | <5 | <5 |
| Nickel, total | <4 | <4 | | <4 | <4 |
| Nitrogen, ammonia | " | | | " | - |
| Potassium, total | | | | | |
| Selenium, total | <4 | <4 | | <4 | <4 |
| Silver, total | <4 | <4 | | <4 | <4 |
| Sodium, total | | | | | |
| Solids, total dissolved | | | | | |
| Solids, total suspended | <1 | <1 | | <1 | <1 |
| Styrene Sulfate | | <1 | | | \1 |
| Tetrachloroethylene | <1 | <1 | | <1 | <1 |
| Thallium, total | <2 | <2 | | <2 | <2 |
| Toluene | <1 | <1 | | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | | <5 | <5 |
| Trichloroethylene | <1 | <1 | | <1 | <1 |
| Trichlorofluoromethane Vanadium, total | <1 <20 | <1 <20 | | <1 <20 | <1 <20 |
| vanadium, total Vinyl acetate | <20 <5 | <20 <5 | | <20 <5 | <20 <5 |
| Viriyi acetate Vinyl chloride | <1 | <1 | | <1 <1 | <1 |
| Xylenes, total | <2 | <2 | | <2 | <2 |
| Zinc, total | <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-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 |
|---|--------------|------------|----------|-----------|-----------|------------|-----------|------------|-----------|
| (3 4)-methylphenol | ug/L | | | | | | | <8> | |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | ug/L | | | | | | | <1 | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | | | | | <8 | |
| 1,2,4-trichlorobenzene | ug/L | | | | | | | <1 | |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | ug/L | | | | | | | <8 | |
| 1,3,5-trinitrobenzene | ug/L | | | | | | | <8 | |
| 1,3-dichlorobenzene | ug/L | | | | | | | <1 | |
| 1,3-dichloropropane | ug/L | | | | | | | <1 | |
| 1,3-dinitrobenzene 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <8 <1 | <1 |
| | ug/L | | <1 | <1 | <1 | | <1 | <1 <8 | ~1 |
| 1,4-naphthoquinone | ug/L ug/L | | | | | | | <8 <8 | |
| 1,4-phenylenediamine 1-naphthylamine | ug/L ug/L | | | | | | | <8 <8 | |
| 1-napnthylamine 2,2-dichloropropane | ug/L ug/L | | | | | | | <8 <1 | |
| 2,3,4,6-tetrachlorophenol | ug/L ug/L | | | | | | | <8 | |
| 2,3,4,6-tetracritoropherior 2.4.5-t | ug/L ug/L | | | | | | | <.5 | |
| 2,4,5-t 2,4,5-tp (silvex) | ug/L ug/L | | | | | | | <.5 <.5 | |
| 2,4,5-trichlorophenol | ug/L ug/L | | | | | | | <8 | |
| 2,4,6-trichlorophenol | ug/L 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-dinitrofoluene | ug/L | | | | | | | <8 | |
| 2,6-dichlorophenol | ug/L | | | | | | | <8 | |
| 2,6-dinitrotoluene | ug/L | | | | | | | <8 | |
| 2-acetylaminofluorene | ug/L | | | | | | | <8 | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-chloronaphthalene | ug/L |] | - | | | | | <8 | |
| 2-chlorophenol | ug/L | | | | | | | <8 | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | ug/L | | | | | | | <8 | |
| 2-methylphenol | ug/L | | | | | | | <8 | |
| 2-naphthylamine | ug/L | | | | | | | <8 | |
| 2-nitroaniline | ug/L | | | | | | | <8 | |
| 2-nitrophenol | ug/L | | | | | | | <8 | |
| 3,3´-dichlorobenzidine | ug/L | | | | | | | <8 | |
| 3,3'-dimethylbenzidine | ug/L | | | | | | | <8 | |
| 3-methylcholanthrene | ug/L | | | | | | | <8 | |
| 3-nitroaniline | ug/L | | | | | | | <8 | |
| 4,4´-ddd | ug/L | | | | | | | <.05 | |
| 4,4'-dde | ug/L | | | | | | | <.05 | |
| 4,4'-ddt | ug/L | | | | | | | <.05 | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | | | | <8 | |
| 4-aminobiphenyl | ug/L | | | | | | | <8 | |
| 4-bromophenyl phenyl ether | ug/L | | | | | | | <8 | |
| 4-chloro-3-methylphenol | ug/L | | | | | | | <8 | |
| 4-chloroaniline | ug/L | | | | | | | <8 | |
| 4-chlorophenyl phenyl ether | ug/L | _ | _ | _ | _ | _ | _ | <8 | _ |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | ug/L | | | | | | | <8 | |
| 4-nitrophenol | ug/L | | | | | | | <8 | |
| 5-nitro-o-toluidine | ug/L | | | | | | | <8 | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | | | | <8 | |
| Acenaphthene | ug/L | | | | | | | <8 | |
| Acenaphthylene | ug/L | | .40 | .40 | .40 | | .40 | <8 -10 | |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acetonitrile | ug/L | | | | | | | <10 | |
| Acetophenone | ug/L | | | | | | | <8 | |
| Acrolein | ug/L | _ | _ | _ | _ | _ | _ | <10 | _ |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | ug/L | | | | | | | <.05 | |
| Alkalinity, as caco3 | mg/L | 584 | 476 | 476 | | 548 | | | |
| Allyl chloride | ug/L | | | | | | | <1 | |
| Alpha-bhc | ug/L | | | | | | | <.05 | |

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

Table 9

Analytical Data Summary for MW-96

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 |
|---|------------|-----------|------------|-----------|
| (3 4)-methylphenol | | | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,1,2,2-tetrachloroethane 1,1,2-trichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | · | | · | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | |
| 1,2,4-trichlorobenzene | | | | |
| 1,2-dibromo-3-chloropropane | <1 | <1 | <1 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene 1,2-dichloroethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | ` ' ' | ` ' | `` | `' |
| 1,3,5-trinitrobenzene | | | | |
| 1,3-dichlorobenzene | | | | |
| 1,3-dichloropropane | | | | |
| 1,3-dinitrobenzene | | | | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 |
| 1,4-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 |
| 2-chloronaphthalene | | | | |
| 2-chlorophenol | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | |
| 2-methylphenol | | | | |
| 2-naphthylamine | | | | |
| 2-nitroaniline | | | | |
| 2-nitrophenol 3,3´-dichlorobenzidine | | | | |
| 3,3'-dimethylbenzidine | | | | |
| 3-methylcholanthrene | | | | |
| 3-nitroaniline | | | | |
| 4,4'-ddd | | | | |
| 4,4'-dde | | | | |
| 4,4'-ddt | | | | |
| 4,6-dinitro-2-methylphenol | | | | |
| 4-aminobiphenyl | | | | |
| 4-bromophenyl phenyl ether 4-chloro-3-methylphenol | | | | |
| 4-chloroaniline | | | | |
| 4-chlorophenyl phenyl ether | | | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | |
| 4-nitrophenol | | | | |
| 5-nitro-o-toluidine | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | |
| Acenaphthene | | | | |
| Acenaphthylene | | .40 | | |
| Acetone | <10 | <10 | <10 | <10 |
| Acetophonon | | | | |
| Acetophenone Acrolein | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 |
| Aldrin | | | •• | |
| Alkalinity, as caco3 | | | | |
| Allyl chloride | | | | |
| Alpha-bhc | | | | |
| | · | | | |

^{* -} 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 |
|---|--------------|------------|---------------|-----------|-----------|-----------------|-------------|-------------|-----------|
| Anthracene | ug/L | _ | _ | | _ | _ | _ | <8 | _ |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 Arochlor 1221 | ug/L | | | | | | | <.1 | |
| Arochlor 1232 | ug/L ug/L | | | | | | | <.2 <.2 | |
| Arochlor 1242 | ug/L | | | | | | | <.2 | |
| Arochlor 1248 | ug/L | | | | | | | <.2 | |
| Arochlor 1254 | ug/L | | | | | | | <.1 | |
| Arochlor 1260 | ug/L | | | | | | | <.1 | |
| Arsenic, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Azobenzene | ug/L | 588 | 617 | 577 | 540 | 540 | 486 | <8 495 | 491 |
| Barium, total Benzene | ug/L ug/L | <1 | <1 | 5// <1 | 540 <1 | 540 <1 | 400 <1 | 495 <1 | 491 <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 | <4 | <4 | <4 | <4 | <4 | <4 | <8 <4 | <4 |
| Beryllium, total Beta-bhc | ug/L ug/L | <u> </u> | < 4 | \4 | <u>\</u> | \ *4 | \ <u>^4</u> | <.05 | ~4 |
| Bis (2-chloroethoxy) methane | ug/L ug/L | | | | | | | <.03 <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 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform Bromomethane | ug/L ug/L | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Butyl benzyl phthalate | ug/L ug/L | `' | `' | ~1 | `' | `' | ``' | <8 | |
| Cadmium, total | ug/L | .8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | mg/L | 192 | 173 | 165 | | 182 | | | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | ug/L | 0.5.0 | 407.0 | 0.4.0 | | | | <.1 | |
| Chloride | mg/L | 85.0 | 107.0 | 84.0 | _1 | 94.9 | | -1 | _1 |
| Chlorobenzene Chlorobenzilate | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 <8 | <1 |
| Chloroethane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | ug/L | | | | | | | <1 | |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Chrysene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <8 <1 | -1 |
| Cis-1,2-dichloroethylene Cis-1,3-dichloropropene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 <1 |
| Cobalt, total | ug/L ug/L | 6.0 | 3.6 | 4.7 | 1.8 | 4.4 | 2.1 | 4.4 | 1.0 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Cyanide, total | mg/L | | | | | | | <.005 | |
| Delta-bhc | ug/L | | | | | | | <.05 | |
| Diallate | ug/L | | | | | | | <8 | |
| Dibenzo(a,h)anthracene Dibenzofuran | ug/L | | | | | | | <8 | |
| Dibromochloromethane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <8 <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | | | | • | | | <1 | |
| Dieldrin | ug/L | | | | | | | <.05 | |
| Diethyl phthalate | ug/L | | | | | | | <8 | |
| Dimethoate | ug/L | | | | | | | <.4 | |
| Dimethylphthalate | ug/L | | | | | | | <8 | |
| Di-n-butyl phthalate Di-n-octyl phthalate | ug/L ug/L | | | | | | | <8 <8 | |
| Dinoseb | ug/L 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 <10 | |
| Ethyl methacrylate Ethyl methanesulfonate | ug/L ug/L | | | | | | | <10 <8 | |
| Ethylbenzene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <0 <1 | <1 |
| Famphur | ug/L | " | *1 | *1 | "' | `' | "' | <.4 | |
| Fluoranthene | ug/L | | | | | | | <8 | |
| Fluorene | ug/L | | | | | | | <8 | |
| Gamma-bhc (lindane) | ug/L | | | | | | | <.05 | |

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

Table 9

Analytical Data Summary for MW-96

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 |
|---|------------|-----------|------------|-----------|
| Anthracene | | | | |
| Antimony, total | <2 | <2 | <2 | <2 |
| Arochlor 1016 Arochlor 1221 | | | | |
| Arochlor 1232 | | | | |
| Arochlor 1242 | | | | |
| Arochlor 1248 | | | | |
| Arochlor 1254 | | | | |
| Arochlor 1260 | <4 | <4 | <4 | <4 |
| Arsenic, total Azobenzene | <u>~4</u> | \4 | \4 | \4 |
| Barium, total | 502 | 514 | 513 | 535 |
| Benzene | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | | | | |
| Benzo(a)pyrene | | | | |
| Benzo(b)fluoranthene Benzo(g,h,i)perylene | | | | |
| Benzo(g,n,n)perylene Benzo(k)fluoranthene | | | | |
| Benzyl alcohol | | | | |
| Beryllium, total | <4 | <4 | <4 | <4 |
| Beta-bhc | | | | |
| Bis (2-chloroethoxy) methane | | | | |
| Bis(2-chloroethyl) ether Bis(2-chloroisopropyl) ether | | | | |
| Bis(2-chioroisopropyr) ether Bis(2-ethylhexyl) phthalate | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate Cadmium, total | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | \.0 | ₹.0 | ₹.0 | \.0 |
| Carbon disulfide | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 |
| Chlordane | | | | |
| Chloride | -4 | -4 | -4 | -4 |
| Chlorobenzene Chlorobenzilate | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 |
| Chloroprene | | | | |
| Chromium, total | <8 | <8 | <8 | <8 |
| Chrysene Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Cobalt, total | 2.6 | 2.2 | 3.0 | 3.5 |
| Copper, total | <4 | <4 | <4 | <4 |
| Cyanide, total | | | | |
| Delta-bhc Diallate | | | | |
| Dialiate Dibenzo(a,h)anthracene | | | | |
| Dibenzofuran | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane Dieldrin | | | | |
| Diethyl phthalate | | | | |
| Dimethoate | | | | |
| Dimethylphthalate | | | | |
| Di-n-butyl phthalate | | | | |
| Di-n-octyl phthalate | | | | |
| Dinoseb Diphenylamine | | | | |
| Dipneriylarilile Disulfoton | | | | |
| Endosulfan i | | | | |
| Endosulfan ii | | | | |
| Endosulfan sulfate | | | | |
| Endrin | | | | |
| Endrin aldehyde Ethyl methacrylate | | | | |
| Ethyl methanesulfonate | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 |
| Famphur | ' | . | | [] |
| Fluoranthene | | | | |
| Fluorene | | | | |
| Gamma-bhc (lindane) | | | | |

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

Table 9

Analytical Data Summary for MW-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 |
|--|--------------|---|----------|------------|-----------|------------|-----------|-------------------------------|-----------|
| 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 | |
| Isobutanol | mg/L | | | | | | | <1 | |
| Isodrin | ug/L | | | | | | | <8 | |
| Isophorone | ug/L | | | | | | | <8 <8 | |
| Isosafrole | ug/L | | | | | | | <8 | |
| Kepone | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <o< td=""><td><4</td></o<> | <4 |
| Lead, total | ug/L | 68.7 | 59.6 | 62.2 | \4 | 63.0 | \4 | \4 | \4 |
| Magnesium, total | mg/L | 00.7 | 39.0 | 02.2 | | 03.0 | | - 5 | |
| Mercury, total | ug/L | | | | | | | <.5 <1 | |
| Methacrylonitrile | ug/L | | | | | | | <8 | |
| Methapyrilene Methapyrilene | ug/L | | | | | | | <.05 | |
| Methoxychlor Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <.05 <1 | <1 |
| Methyl methacrylate | ug/L | ` ' | | ' 1 | | `' | _ ` ' | <1 | -1 |
| | ug/L | | | | | | | <8 | |
| Methyl methanesulfonate Methyl parathion | ug/L ug/L | | | | | | | <8 <.4 | |
| | | <5 | <5 | <5 | <5 | <5 | <5 | <.4 <5 | <5 |
| Methylene chloride Naphthalene | ug/L ug/L | \ | \ \ \ | \0 | ~5 | `` | \ \ | <8 | _5 |
| Nickel, total | ug/L ug/L | 14.8 | 14.7 | 10.6 | 13.1 | 13.4 | 14.1 | 11.7 | 10.6 |
| Nitrobenzene | ug/L ug/L | 14.0 | 14.7 | 10.0 | 13.1 | 13.4 | 14.1 | <8 | 10.0 |
| Nitrogen, ammonia | mg/L | <1 | <1 | <1 | | <1 | | νο. | |
| N-nitrosodiethylamine | ug/L | `' | ` ' | ` ' | | `` | | <8 | |
| N-nitrosodimethylamine | ug/L | | | | | | | <8 | |
| N-nitrosodi-n-butylamine | ug/L | | | | | | | -\square | |
| N-nitroso-di-n-propylamine | ug/L | | | | | | | <8 | |
| N-nitrosodiphenylamine | ug/L | | | | | | | -\square | |
| N-nitrosomethylethylamine | ug/L | | | | | | | <8 | |
| N-nitrosopiperidine | ug/L | | | | | | | <8 | |
| N-nitrosopyrrolidine | ug/L | | | | | | | -\square | |
| 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 |
| Silver, total | ug/L | <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 |
| 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 |
| Thallium, total | ug/L | <4 | <4 | <1 | <4 | <4 | <4 | <4 | <4 |
| Thionazin | ug/L | | | | | | | <.4 | |
| Tin, total | ug/L | | | | | | | <20 | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | ug/L | | | | | | | <.2 | |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Xylenes, total | i uu/∟ | | | | | | | | |

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

Table 9

Analytical Data Summary for MW-96

| Heptachlor epoxide | Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 |
|--|-----------------------------|------------|-----------|-------------------|-----------|
| Hexachlorobutadiene | | | | | |
| Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopene Indenof. (1, 2, 3-cd) pyrene Isosafrole Iso | | | | | |
| Hexachlorocyclopentadiene Hexachloropropene Hexachloropropen | | | | | |
| Hexachloropropen Indenot/1,2,3-cd)pyrene Isobatnot Isodrin | | | | | |
| Indenot/1,2,3-cd)pyrene IsoSobutanol Isodrin Isodrin Isodrin Isodrin Isodrin Isodrin Isosphorone Isosafrole Kepone Lead, total | | | | | |
| Isobutanol Isophorone Isophorone Isophorone Isophorone Isophorone Isophorone Isosafrole Kepone Lead, total | Hexachloropropene | | | | |
| Isodrin Isosafrone Isosaf | | | | | |
| Isophrone Isopatrone Isopatrone Isopatrone Isosafrole Isos | | | | | |
| Sosafrole Kepone Lead, total Magnesium, total Magnesium, total Magnesium, total Methacrylonitrile Methacrylonitrile Methacrylonitrile Methyline Methylin | | | | | |
| Lead, total | | | | | |
| Magnesium, total Mercury, total Methacry(onitrie Methacry(onitrie Methacry(onitrie Methacry(onitrie Methacry(onitrie Methy) iodide < 1 | Kepone | | | | |
| Mericary, total Methapyrilene Methapyrilene Methapyrilene Methapyrilene Methapyrilene Methy Me | | <4 | <4 | <4 | <4 |
| Methacrylonitrile Methoxychlor Methyl iodide Methoxychlor Methyl iodide Methoxychlor Methyl methacrylate Methymethacrylate Methymethymethymethymethymethymethymethym | | | | | |
| Methapyrilene Methoyloric Methyl iodide | | | | | |
| Methoxychlor Methyl iodide | | | | | |
| Methy/ methacrylate Methy/ parathion Methy/lene chloride Methy/lene Methy/lene chloride Methy/lene chloride Methy/lene chloride Methy/lene chloride Methy/lene chloride Methy/lene chloride Methy/lene chloride chloride Methy/lene chloride chloride chloride Methy/lene chloride chloride chloride chloride chloride Methy/lene chloride ch | | | | | |
| Methyl methanesulfonate Methyl parathion Methylene chloride <5 < <5 < <5 < <5 | | <1 | <1 | <1 | <1 |
| Methyl parathion Methylene chloride S S S S S S S S S | | | | | |
| Methylene chloride | | | | | |
| Naphthalene Nickel, total 11.6 13.0 9.5 12.8 Nitrobenzene Nitrogen, ammonia N-nitrosodiethylamine N-nitrosodiethylamine N-nitrosodiethylamine N-nitrosodiethylamine N-nitrosodiethylamine N-nitrosodiethylamine N-nitrosodiphenylamine N-nitrosophylamine N-nitrosophylamine N-nitrosophyrolidine O.o.o-triethyl phosphorothioate O-loluidine Parathion P-dimethylaminoazobenzene Pentachlorobenzene Pentachlorobenzene Pentachlorophenol Phenaetin Phenanthrene Phenol Phorate Potossium, total Propionitrile Propionitrile Propionitrile Propionitrile Selenium, total Solids, total dissolved Sulfide, total 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 | | <5 | <5 | <5 | <5 |
| Nitrobenzene Nitrogen, ammonia N-nitrosodiethylamine N-nitrosodiethylamine N-nitrosodin-butylamine N-nitrosodin-butylamine N-nitrosodiphenylamine N-nitrosodiphenylamine N-nitrosodiphenylamine N-nitrosophylamine N-nitrosophyroidine O,o,o-triethyl phosphorothioate O-toluidine Parathion P-dimethylaminoazobenzene Pentachlorobenzene (pcnb) Pentachlorophenol Phenachlorophenol Phenachlorophenol Phenanthrene Phenol Phorate Potassium, total Pronamide Propionitrile Pyrene Safrole Saliver, total Solids, total dissolved Solids, total dissolved Solids, total suspended Styrene Sulfate Sulfide, total Tetrachloroethylene Tirchloroethylene Tin, total Toluene Toxaphene Trans-1,2-dichloropropene Trans-1,2-dichloropropene Trans-1,3-dichloropropene Trichloroethylene Trans-1,4-dichloro-2-butene Trichloroethylene Trichloroethylene Trichloroethylene Tirchloroethylene Ti | | | | J | |
| Nitrosodiethylamine N-nitrosodiethylamine N-nitrosodiethylamine N-nitrosodiethylamine N-nitrosodiethylamine N-nitrosodiethylamine N-nitrosodiethylamine N-nitrosopiperidine N-nitros | | 11.6 | 13.0 | 9.5 | 12.8 |
| N-nitrosodiethylamine | | | | | |
| N-nitrosodimethylamine N-nitrosodi-n-propylamine N-nitrosodi-n-propylamine N-nitrosodi-n-propylamine N-nitrosopiperidine N-nitrosopiperidine N-nitrosopiperidine N-nitrosopiperidine N-nitrosopiperidine O.0.0-triethyl phosphorothioate O-toluidine Parathion P-dimethylaminoazobenzene Pentachlorobenzene Pentachloronitrobenzene Pentachloronitrobenzene Pentachloronitrobenzene Pentachloronitrobenzene Phenoli Phenacetin Phenaretin Phenoli Phorate Potassium, total Pronamide Propionitrile Pyrene Safrole Selenium, total <4 <4 <4 <4 <4 <4 <4 < | | | | | |
| N-nitrosodi-n-bufylamine N-nitrosodi-n-propylamine N-nitrosodiphenylamine N-nitrosodiphenylamine N-nitrosopiperidine N-nitrosopyrrolidine O.o.o-triethyl phosphorothioate O.o.o-triethyl phosphorothioate O-loluidine Parathion P-dimethylaminoazobenzene Pentachlorobenzene Pentachlorobenzene Pentachlorophenol Phenacetin Phenacetin Phenanthrene Phenol Phorate Potosium, total Pronamide Propionitrile Proprojentile Propionitrile Prop | | | | | |
| N-nitrosomithylethylamine N-nitrosomethylethylamine N-nitrosophylethylamine N-nitrosophylethylamine N-nitrosophyrolidine O,o,o-triethyl phosphorothioate O-toluidine Parathion Parathion Parathion Parathion Pentachlorobenzene Pentachlorobenzene Pentachlorophenol Pentachlorophenol Phenacetin Phenanthrene Phenol Phorate Potassium, total Pronamide Propionitrile Pyrene Safrole Selenium, total <4 | | | | | |
| N-nitrosomethylethylamine N-nitrosopyrrolidine N-nitrosopyrrolidine O.q.o-triethyl phosphorothioate O-loluidine P-dimethylaminoazobenzene Pentachlorobenzene Pentachlorobenzene Pentachlorophenol Phenachlorophenol Phenacthine Phenol Phenathere Phenol Phorate Potassium, total Pronamide Pyrene Safrole Selenium, total Solids, total dissolved Solids, total dissolved Solids, total dissolved Sulfide, total Sulfide, tota | | | | | |
| N-nitrosopyrrolidine | | | | | |
| N-nitrosopyrrolidine | | | | | |
| O, o, o-triethyl phosphorothioate | | | | | |
| Parathion | | | | | |
| P-dimethylaminoazobenzene | | | | | |
| Pentachlorobenzene Pentachloronitrobenzene (pcnb) Pentachlorophenol Pentachlorophenol Phenacetin Phenanthrene Phenol Phorate Potassium, total Pronamide Propionitrile Pyrene Safrole Selenium, total Solids, total dissolved Solids, total dissolved Solids, total suspended Styrene Sulfide, total Sulfide, total Sulfide, total Solids, total dissolved Styrene Sulfide, total Sulfide, total Solids, total dissolved Solids, total dissolved Solids, total suspended Styrene Solids, total Solids, total suspended Styrene Solids, total suspended Styrene Solids, total suspended Styrene Solids, total Solids, total suspended Styrene Solids, total suspended Styrene Solids, total Solids, total suspended Styrene | | | | | |
| Pentachloronitrobenzene (pcnb) Pentachlorophenol Phenacetin Phenacetin Phenacetin Phenalthrene Phenol Phorate Potassium, total Pronamide Propionitrile Pyrene Safrole Selenium, total 4 | | | | | |
| Pentachlorophenol Phenacetin Phenacetin Phenanthrene Phenol Phenanthrene Phenol Phorate Potassium, total Propionitrile Pyrene Safrole Selenium, total Solids, total dissolved Solids, total dissolved Solids, total suspended Styrene Sulfide | | | | | |
| Phenacetin Phenanthrene Phenol Phenol Phenol Phenol Phorate Potassium, total Pronamide Propionitrile Pyrene Safrole Selenium, total Solids, total dissolved Solids, total dissolved Solids, total suspended Styrene Styrene Sulfide, total Sul | | | | | |
| Phenol Phorate Potassium, total Pronamide Propionitrile Pyrene Safrole Selenium, total 4 | | | | | |
| Phorate Potassium, total Pronamide Propionitrile Pyrene Safrole Selenium, total <4 | | | | | |
| Potassium, total Pronamide Propionitrile Propionitrile Pyrene Safrole Selenium, total <4 | | | | | |
| Propionitrile Propionitril | | | | | |
| Pyrene Safrole Safrole Safrole Safrole Safrole Selenium, total Selenium, total Selenium, total Selenium, total Solids, total dissolved Solids, total dissolved Solids, total suspended Styrene Styrene Sulfate Sulfide, total Sulfate Sulfide, total Sulfate Sulfide, total Selection Sulfate Sulfide, total Selection Sel | | | | | |
| Safrole Selenium, total Selenium, total Selenium, total Selenium, total Selenium, total Sodium, total Solids, total dissolved Solids, total suspended Styrene Sulfiate Sulfiate Sulfiate Sulfiate Sulfiate, total Sulfate Sulfiate S | | | | | |
| Selenium, total | | | | | |
| Silver, total Sodium, total Sodium, total Solids, total dissolved Solids, total dissolved Solids, total suspended Styrene Styrene Sulfate Sulfide, total Sulfate Sulfide, total Sulfate Sulfide, total Stephone Styrene Sulfate Sulfide, total Sulfate Sulfide, total Stephone Styrene S | | _1 | _1 | _1 | |
| Sodium, total Solids, total dissolved Solids, total dissolved Solids, total suspended Styrene Styrene Sulfate Sulfide, total Sulfate Sulfate Sulfide, total Sulfate Sulf | | | | | |
| Solids, total dissolved Solids, total suspended Styrene St | | , | | ,- - - | , |
| Styrene | Solids, total dissolved | | | | |
| Sulfate Sulfide, total Tetrachloroethylene <1 | | | | | . |
| Sulfide, total Tetrachloroethylene <1 | | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | | | | | |
| Thallium, total | | <1 | <1 | <1 | <1 |
| Tin, total <1 | Thallium, total | | • | - | |
| Toluene | Thionazin | | | | |
| Toxaphene Trans-1,2-dichloroethylene <1 <1 <1 <1 <1 <1 <1 < | | ا بدء | ه ر | | |
| Trans-1,2-dichloroethylene <1 | | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene <1 | | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene <5 | | | | | |
| Trichlorofluoromethane <1 | Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 |
| Vanadium, total <20 | | | | | |
| Vinyl acetate <5 | | | | | |
| Vinyl chloride <1 | | | | | |
| Xylenes, total <2 <2 <2 <2 | | - | - | - | |
| Zinc, total | Xylenes, total | <2 | <2 | <2 | <2 |
| | | <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 |
|---|--------------|----------|----------|--------------|----------|--------------|------------|----------|-----------|------------|
| (3 4)-methylphenol | ug/L | | | <8 | | <8 | | | | |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| 1,1,2,2-tetrachloroethane | ug/L ug/L | <1 <1 | | <1 <1 | <1 <1 | <1 <1 | <1 <1 | | | <1 <1 |
| 1,1,2-trichloroethane | ug/L ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| 1,1-dichloroethylene | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| 1,1-dichloropropene | ug/L | | | <1 | | <1 | | | | |
| 1,2,3-trichloropropane | ug/L | <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 |
| 1,2-dibromoethane | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| 1,2-dichloroethane | ug/L | <1 <1 | | <1 | <1 <1 | <1 <1 | <1 <1 | | | <1 <1 |
| 1,2-dichloropropane 1,2-dinitrobenzene | ug/L ug/L | | | <1 <8 | <u> </u> | <8 | ~ 1 | | | \ \ \ \ \ |
| 1,3,5-trinitrobenzene | ug/L 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 |
| 1,4-naphthoguinone | 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 <8 | | <.5 <8 | | | | |
| 2,4,5-trichlorophenol 2,4,6-trichlorophenol | ug/L ug/L | | | <8 | | <8 | | | | |
| 2,4,0-thchlorophenor 2,4-d | ug/L 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 |
| 2-chloronaphthalene | ug/L | | | <8 | | <8 | | | | |
| 2-chlorophenol 2-hexanone (mbk) | ug/L | <5 | | <8 <5 | <5 | <8 <5 | <5 | | | <5 |
| 2-nethylnaphthalene | ug/L ug/L | \3 | | <8 | ~5 | <8 | 75 | | | \3 |
| 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 4,4´-ddt | ug/L ug/L | | | <.05 <.05 | | <.06 <.06 | | | | |
| 4,4 -aat 4,6-dinitro-2-methylphenol | ug/L ug/L | | | <8 | | <8 | | | | |
| 4-aminobiphenyl | ug/L 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 |
| 4-nitroaniline | ug/L | | | <8 | | <8 | | | | |
| 4-nitrophenol | ug/L | | | <8 | | <8 | | | | |
| 5-nitro-o-toluidine 7,12-dimethylbenz(a)anthracene | ug/L ug/L | | | <8 <8 | | <8 <8 | | | | |
| Acenaphthene | ug/L ug/L | | | <8 | | <8 | | | | |
| Acenaphthylene | ug/L ug/L | | | <8 | | <8 | | | | |
| Acetone | ug/L | <10 | | <10 | <10 | <10 | <10 | | | <10 |
| Acetonitrile | ug/L | | | <10 | - 10 | <10 | -10 | | | |
| Acetophenone | ug/L | | | <8 | | <8 | | | | |
| Acrolein | ug/L | | | <10 | | <10 | | | | |
| Acrylonitrile | ug/L | <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 | | <u></u> | <.05 | | <.06 | | <u> </u> | | |

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

Table 9

Analytical Data Summary for MW-96R

| Constituents | 4/16/2024 | 10/15/2024 |
|--|-----------|------------|
| (3 4)-methylphenol | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 |
| 1,1,1-trichloroethane | <1 <1 | <1 <1 |
| 1,1,2,2-tetrachloroethane 1,1,2-trichloroethane | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 |
| 1,1-dichloropropene | | |
| 1,2,3-trichloropropane | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene 1,2,4-trichlorobenzene | | |
| 1,2-dibromo-3-chloropropane | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 |
| 1,2-dinitrobenzene 1,3,5-trinitrobenzene | | |
| 1,3-dichlorobenzene | | |
| 1,3-dichloropropane | | |
| 1,3-dinitrobenzene | | |
| 1,4-dichlorobenzene | <1 | <1 |
| 1,4-naphthoquinone | | |
| 1,4-phenylenediamine 1-naphthylamine | | |
| 2,2-dichloropropane | | |
| 2,3,4,6-tetrachlorophenol | | |
| 2,4,5-t | | |
| 2,4,5-tp (silvex) | | |
| 2,4,5-trichlorophenol | | |
| 2,4,6-trichlorophenol 2,4-d | | |
| 2,4-dichlorophenol | | |
| 2,4-dimethylphenol | | |
| 2,4-dinitrophenol | | |
| 2,4-dinitrotoluene | | |
| 2,6-dichlorophenol | | |
| 2,6-dinitrotoluene 2-acetylaminofluorene | | |
| 2-butanone (mek) | <10 | <10 |
| 2-chloronaphthalene | " | |
| 2-chlorophenol | | |
| 2-hexanone (mbk) | <5 | <5 |
| 2-methylnaphthalene | | |
| 2-methylphenol 2-naphthylamine | | |
| 2-nitroaniline | | |
| 2-nitrophenol | | |
| 3,3'-dichlorobenzidine | | |
| 3,3'-dimethylbenzidine | | |
| 3-methylcholanthrene 3-nitroaniline | | |
| 4,4´-ddd | | |
| 4,4´-dde | | |
| 4,4'-ddt | | |
| 4,6-dinitro-2-methylphenol | | |
| 4-aminobiphenyl | | |
| 4-bromophenyl phenyl ether 4-chloro-3-methylphenol | | |
| 4-chloroaniline | | |
| 4-chlorophenyl phenyl ether | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 |
| 4-nitroaniline | | |
| 4-nitrophenol 5-nitro-o-toluidine | | |
| 7,12-dimethylbenz(a)anthracene | | |
| Acenaphthene | | |
| Acenaphthylene | | |
| Acetone | <10 | <10 |
| Acetonitrile | | |
| Acreloin | | |
| Acrolein Acrylonitrile | <5 | <5 |
| Aldrin | `` `` | ~3 |
| Alkalinity, as caco3 | | |
| Allyl chloride | | |
| Alpha-bhc | ı | |

^{* -} 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 |
|--|--------------|----------|----------|--------------|-----------|--------------|-----------|----------|-----------|------------|
| Anthracene | ug/L | | | <8 | | <8 | | | | |
| Antimony, total | ug/L | <2 | | <2 | <2 | <2 | <2 | | | <2 |
| Arochlor 1016 Arochlor 1221 | ug/L ug/L | | | <.10 <.20 | | <.13 <.26 | | | | |
| Arochlor 1232 | ug/L 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 |
| Azobenzene | ug/L | 1160 | 696 | <8 667 | 406 | <8 661 | 190 | | | 576 |
| Barium, total Benzene | ug/L ug/L | <1 | 696 | <1 | 406 <1 | <1 | 190 <1 | | | 576 <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 | -4 | | <8 | -4 | <8 | -4 | | | -4 |
| Beryllium, total Beta-bhc | ug/L ug/L | <4 | | <4 <.05 | <4 | <4 <.06 | <4 | | | <4 |
| Bis (2-chloroethoxy) methane | ug/L 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 |
| Bromodichloromethane | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Bromoform | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Bromomethane | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Butyl benzyl phthalate Cadmium, total | ug/L ug/L | <.8 | | <8 <.8 | <.8 | <8 <.8 | <.8 | | | <.8 |
| Carbon disulfide | ug/L ug/L | <1 | | <1 <1 | <1 | <.o | <1 <1 | | | <.0 <1 |
| Carbon tetrachloride | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Chlordane | ug/L | | | <.10 | | <.13 | | | | |
| Chlorobenzene | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Chlorobenzilate | ug/L | | | <8 | | <8 | | | | |
| Chloroethane | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Chloroform | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Chloromethane Chloroprene | ug/L ug/L | <1 | | <1 <1 | <1 | <1 <1 | <1 | | | <1 |
| Chromium, total | ug/L ug/L | <8 | | <8 | <8 | <8 | <8 | | | <8 |
| Chrysene | ug/L | 10 | | <8 | ٠٠ | <8 | ٠, | | | 10 |
| Cis-1,2-dichloroethylene | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Cobalt, total | ug/L | 16.8 | 11.9 | 11.4 | 7.6 | 11.1 | 2.2 | 11.2 | 10.0 | 10.6 |
| Copper, total | ug/L | <4 | | <4 | <4 | <4 | <4 | | | <4 |
| Cyanide, total | mg/L | | | <.005 | | <.005 | | | | |
| Delta-bhc Diallate | ug/L ug/L | | | <.05 <8 | | <.06 <8 | | | | |
| Dibenzo(a,h)anthracene | ug/L ug/L | | | <8 | | <8 | | | | |
| Dibenzofuran | ug/L | | | <8 | | <8 | | | | |
| Dibromochloromethane | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Dibromomethane | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Dichlorodifluoromethane | ug/L | | | <1 | | <1 | | | | |
| Dieldrin | ug/L | | | <.05 | | <.06 | | | | |
| Diethyl phthalate Dimethoate | ug/L | | | <8 | | <8 | | | | |
| Dimethoate Dimethylphthalate | ug/L ug/L | | | <.5 <8 | | <.5 <8 | | | | |
| Di-n-butyl phthalate | ug/L 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 sulfato | ug/L | | | <.05 | | <.06 | | | | |
| Endosulfan sulfate Endrin | ug/L ug/L | | | <.05 <.05 | | <.06 <.06 | | | | |
| Endrin Endrin aldehyde | ug/L 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 |
| Famphur | ug/L | | | <.5 | | <.5 | | | | |
| Fluoranthene | ug/L | | | <8 | | <8 | | | | |
| Fluorene | ug/L | | | <8 | | <8 <.06 | | | | |
| | | | | - NE I | | < n6 | | | | |
| Gamma-bhc (lindane) Heptachlor | ug/L ug/L | | | <.05 <.05 | | <.06 | | | | |

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

Table 9

Analytical Data Summary for MW-96R

| | | Allaly |
|---|-----------|------------|
| Constituents | 4/16/2024 | 10/15/2024 |
| Anthracene | | |
| Antimony, total | <2 | <2 |
| Arochlor 1016 | | |
| Arochlor 1221 Arochlor 1232 | | |
| Arochlor 1232 | | |
| Arochlor 1248 | | |
| Arochlor 1254 | | |
| Arochlor 1260 | | |
| Arsenic, total | <4.0 | 6.6 |
| Azobenzene | 404 | 000 |
| Barium, total | 124 <1 | 338 <1 |
| Benzene Benzo(a)anthracene | | <u> </u> |
| Benzo(a)pyrene | | |
| Benzo(b)fluoranthene | | |
| Benzo(g,h,i)perylene | | |
| Benzo(k)fluoranthene | | |
| Benzyl alcohol | | |
| Beryllium, total | <4 | <4 |
| Beta-bhc Bis (2-chloroethoxy) methane | | |
| Bis(2-chloroethyl) ether | | |
| Bis(2-chloroisopropyl) ether | | |
| Bis(2-ethylhexyl) phthalate | | |
| Bromochloromethane | <1 | <1 |
| Bromodichloromethane | <1 | <1 |
| Bromoform | <1 | <1 |
| Bromomethane | <1 | <1 |
| Butyl benzyl phthalate Cadmium, total | <.8 | <.8 |
| Carbon disulfide | <1 | <.o |
| Carbon tetrachloride | <1 | <1 |
| Chlordane | | |
| Chlorobenzene | <1 | <1 |
| Chlorobenzilate | | |
| Chloroethane | <1 | <1 |
| Chloroform | <1 | <1 |
| Chloromethane | <1 | <1 |
| Chloroprene Chromium, total | <8 | <8 |
| Chrysene | \ \ | ٠0 |
| Cis-1,2-dichloroethylene | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 |
| Cobalt, total | 1.8 | 10.5 |
| Copper, total | <4 | <4 |
| 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 | | |
| 1 | | |
| Endrin aldehyde Ethyl methacrylate | | |
| Ethyl methanesulfonate | | |
| Ethylbenzene | <1 | <1 |
| Famphur | | |
| Fluoranthene | | |
| Fluorene | | |
| Gamma-bhc (lindane) | | |
| Heptachlor Heptachlor epoxide | | |
| L DEDIACION EDOXIDE | 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 |
|--|--------------|------------|----------|------------|-----------|------------|-----------|----------|-----------|---------------------------------------|
| Hexachlorobenzene | ug/L | | | <.05 | | <.06 | | | | |
| Hexachlorobutadiene | ug/L | | | <8 | | <8 | | | | |
| Hexachlorocyclopentadiene | ug/L | | | <8 | | <8 | | | | |
| Hexachloroethane Hexachloropropene | ug/L ug/L | | | <8 <8 | | <8 <8 | | | | |
| Indeno(1,2,3-cd)pyrene | ug/L ug/L | | | <8 | | <8 | | | | |
| Isobutanol | mg/L | | | <1 | | <1 | | | | |
| Isodrin | ug/L | | | <8 | | <8 | | | | |
| Isophorone | ug/L | | | <8 | | <8 | | | | |
| Isosafrole | ug/L | | | <8 | | <8 | | | | |
| Kepone | ug/L | | | <8 | | <8 | | | | |
| Lead, total | ug/L | <4 | | <4 | <4 | <4 | <4 | | | <4 |
| 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 |
| 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 |
| Naphthalene | ug/L | | | <8 | 2 - | <8 | | | | |
| Nickel, total | ug/L | 8.8 | | 5.9 | 6.8 | 4.5 | 5.6 | | | 4.6 |
| Nitrobenzene | ug/L | | | <8 | | <8 | | | | |
| N-nitrosodiethylamine | ug/L | | | <8 | | <8 | | | | |
| N-nitrosodimethylamine | ug/L | | | <8 <8 | | <8 <8 | | | | |
| N-nitrosodi-n-butylamine N-nitroso-di-n-propylamine | ug/L ug/L | | | <8 | | <8 | | | | |
| N-nitrosodiphenylamine | ug/L ug/L | | | <8 | | <8 | | | | |
| N-nitrosomethylethylamine | ug/L 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 | рЙ | | | | | | 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 | -10 | | <8 | 0.4 | <8 <4.0 | 7.0 | <4.0 | | -10 |
| Selenium, total | ug/L | <4.0 <4 | | <4.0 <4 | 9.1 <4 | <4.0 <4 | 7.8 <4 | <4.0 | | <4.0 <4 |
| Silver, total Styrene | ug/L ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Sulfide, total | mg/L | `' | | <.1 | `' | <.3 | ~1 | | | `' |
| Tetrachloroethylene | ug/L | <1 | | <1 | <1 | <.s | <1 | | | <1 |
| Thallium, total | ug/L | <2 | | <2 | <2 | <2 | <2 | | | <2 |
| Thionazin | ug/L | | | <.5 | | <.5 | ٠,٢ | | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| Tin, total | ug/L | | | <20 | | <20 | | | | |
| Toluene | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Toxaphene | ug/L | | | <.20 | . | <.26 | | | | 1 |
| Trans-1,2-dichloroethylene | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | | <5 | <5 | <5 | <5 | | | <5 |
| Trichloroethylene | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Trichlorofluoromethane | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Vanadium, total | ug/L | <20 | | <20 | <20 | <20 | <20 | | | <20 |
| Vinyl acetate | ug/L | <5 | | <5 | <5 | <5 | <5 | | | <5 |
| Vinyl chloride | ug/L | <1 | | <1 | <1 | <1 | <1 | | | <1 |
| Xylenes, total | ug/L | <2 | | <2 | <2 | <2 | <2 | | | <2 |
| Zinc, total | ug/L | <20 | | <20 | <20 | <20 | <20 | 1 | | <20 |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-96R

| Constituents | 4/16/2024 | 10/15/2024 |
|--|-----------|------------|
| Hexachlorobenzene | | |
| Hexachlorobutadiene | | |
| Hexachlorocyclopentadiene | | |
| Hexachloroethane | | |
| Hexachloropropene | | |
| Indeno(1,2,3-cd)pyrene | | |
| Isobutanol | | |
| Isodrin | | |
| Isophorone | | |
| Isosafrole | | |
| Kepone Lead, total | <4 | <4 |
| Mercury, total | `~ | 74 |
| Methacrylonitrile | | |
| Methapyrilene | | |
| Methoxychlor | | |
| Methyl iodide | <1 | <1 |
| Methyl methacrylate | | |
| Methyl methanesulfonate | | |
| Methyl parathion | | |
| Methylene chloride | <5 | <5 |
| Naphthalene | | |
| Nickel, total | 5.3 | 4.6 |
| Nitrobenzene | | |
| N-nitrosodiethylamine | | |
| N-nitrosodimethylamine | | |
| N-nitrosodi-n-butylamine | | |
| N-nitroso-di-n-propylamine N-nitrosodiphenylamine | | |
| N-nitrosodiprienylamine N-nitrosomethylethylamine | | |
| N-nitrosomethylethylamine N-nitrosopiperidine | | |
| N-nitrosopyrrolidine | | |
| O,o,o-triethyl phosphorothioate | | |
| O-toluidine | | |
| Parathion | | |
| P-dimethylaminoazobenzene | | |
| Pentachlorobenzene | | |
| Pentachloronitrobenzene (pcnb) | | |
| Pentachlorophenol | | |
| pH | | |
| Phenacetin | | |
| Phenanthrene | | |
| Phenol | | |
| Phorate | | |
| Pronamide | | |
| Propionitrile | | |
| Pyrene | | |
| Safrole | 7.4 | <4.0 |
| Selenium, total Silver, total | 7.4 <4 | <4.0 <4 |
| Styrene | <1 | <1 |
| Sulfide, total | `' | `' |
| Tetrachloroethylene | <1 | <1 |
| Thallium, total | <2 | <2 |
| Thionazin | | ~_ |
| Tin, total | | |
| Toluene | <1 | <1 |
| Toxaphene | . | - 1 |
| Trans-1,2-dichloroethylene | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 |
| Trichloroethylene | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 |
| Vanadium, total | <20 | <20 |
| Vinyl acetate | <5 | <5 |
| Vinyl chloride | <1 | <1 |
| Xylenes, total | <2 | <2 |
| Zinc, total | <20 | <20 |

 $[\]ensuremath{^{\star}}$ - 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 |
|----------------------------------|--------------|------------|-----------|-------------------|------------|------------|-------------|-----------|-----------|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| 1,2,3-trichloropropane | ug/L | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | | |
| 1,2-dibromo-3-chloropropane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 <1 | | |
| 1,2-dibromoetriarie | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | | |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | |
| Alkalinity, as caco3 | mg/L | 555 | 455 | 435 | -0 | 350 | .0 | | |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | -4 | -4 |
| Arsenic, total | ug/L | <4 160 | <4 179 | <4 202 | <4 535 | <4 244 | <4 264 | <4 | <4 |
| Barium, total Benzene | ug/L ug/L | <1 | <179 | 202 1 | 535 <1 | 244 <1 | 264 <1 | | |
| Berzene Beryllium, total | ug/L ug/L | <4 | <4 | <4 | <4 | <4 | <4 | | |
| Bromochloromethane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | | |
| Calcium, total | mg/L | 115 | 110 | 142 | | 167 | | | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Carbon tetrachloride | ug/L | <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 | | |
| Chloroethane | ug/L | <1 | <1 <1 | <1 <1 | <1 <1 | <1 | <1 <1 | | |
| Chloroform Chloromethane | ug/L ug/L | <1 <1 | <1 | <1 | <1 | <1 <1 | <1 <1 | | |
| Chromium, total | ug/L ug/L | <8 | <8 | <8 | <8 | <8 | <8 | | |
| Cis-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | `'' | `' |
| Cobalt, total | ug/L | <.8 | <.8 | <.8 | 1.8 | <.8 | <.8 | <.8 | <.8 |
| Copper, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | - | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | | |
| Magnesium, total | mg/L | 45.0 | 41.5 | 50.7 | | 55.8 | | | |
| Methyl iodide | ug/L | <1 <5 | <1 <5 | <1 | <1 | <1 <5 | <1 <5 | | |
| Methylene chloride Nickel, total | ug/L ug/L | <4.0 | <4.0 | <5 5.8 | <5 13.4 | <4.0 | <4.0 | | |
| Nitrogen, ammonia | mg/L | <1 | <1 | 3.0 <1 | 13.4 | <1 | ~4.0 | | |
| pH | pH | `' | 71 | ``' | | ` | | | |
| Potassium, total | mg/L | 2.1 | 1.5 | 3.7 | | 6.3 | | | |
| Selenium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | | |
| Silver, total | ug/L | <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 | | |
| Sulfate | mg/L | 23.2 | 17.2 | 18.2 | ار | 16.8 | ا من | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 <4 | <1 <4 | <1 | <1 | | |
| Thallium, total Toluene | ug/L ug/L | <4 <1 | <4 <1 | <4 <1 | <4 <1 | <4 <1 | <4 <1 | | |
| Trans-1,2-dichloroethylene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 <1 | <1 <1 | | |
| Trans-1,3-dichloropropene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Trans-1,3-dichloro-2-butene | ug/L ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | <20 | | |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | | |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | | |
| Zinc, total | ug/L | <20 | <8 | <8 | <8 | <8 | <8 | | |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-97

| Constituents | 10/22/2018 | 4/22/2019 | 10/23/2019 | 4/10/2020 | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 |
|-----------------------------|------------|-----------|------------|--------------|--------------|--------------|--------------|--------------|-------------|
| 1,1,1,2-tetrachloroethane | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-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 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | | | | - <5 | <5 | - <5 | - <5 | <10 | <10 |
| 2-hexanone (mbk) | | | | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | | | | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | | | | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | | | | <5 | <5 | <5 | <5 | <5 | <5 |
| Alkalinity, as caco3 | | | | 424 | ٠,0 | 7.5 | ٦٥ | 7.5 | , |
| Antimony, total | | | | <2 | <2 | <2 | <2 | <2 | <2 |
| | <4 | _1 | -1 | <4 | <4 | < <u>4</u> | <4 | <4 | <4 |
| Arsenic, total | <4 | <4 | <4 | | | 287 | 259 | 300 | 275 |
| Barium, total | | | | 279 | 269 | | | | |
| Benzene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | | | | <4 | <4 | <4 | <4 | <4 | <4 |
| 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 | | | | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | | | | | | | |
| Carbon disulfide | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloride | | | | | | | | | |
| Chlorobenzene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | | | | <8 | <8 | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | <.8 | <.8 | <.8 | <.4 | <.4 | <.4 | <.4 | <.4 | <.4 |
| Copper, total | | | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | | | | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | | | | • | • | • | • | | • |
| Methyl iodide | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | | | | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | | | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Nitrogen, ammonia | | | | ~ 4.0 | ~4. 0 | ~ ∓.0 | ~4. 0 | ~ ∓.0 | ~4.0 |
| pH | | | | 7.2 | | | | | |
| Potassium, total | | | | 1.2 | | | | | |
| | | | | -1 | _1 | _1 | -1 | -1 | _1 |
| Selenium, total | | | | <4 | <4 <4 | <4 <4 | <4 | <4 <4 | <4 <4 |
| Silver, total | | | | <4 | <4 | <4 | <4 | <4 | <4 |
| Sodium, total | | | | | | | | | |
| Solids, total dissolved | | | | | | | | | |
| Solids, total suspended | | | | | | | | | |
| Styrene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | | | | | | | | | . |
| Tetrachloroethylene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | | | | <2 | <2 | <2 | <2 | <2 | <2 |
| Toluene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | | | | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | | | | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | | | | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ' | • | ' | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | | | | <20 | <20 | <20 | <20 | <20 | <20 |
| | | | | -20 | -20 | -20 | -20 | -20 | -20 |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-97

| Constituents | 4/11/2023 | 10/13/2023 | 4/17/2024 | 7/18/2024 | 10/15/2024 |
|---|------------|------------|-----------|-----------|-------------|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | | <1 |
| 1,2,3-trichloropropane 1,2-dibromo-3-chloropropane | <1 <5 | <1 <5 | <1 <5 | | <1 <5 |
| 1,2-dibromo-3-chloropropane | <1 | <5 <1 | <5 <1 | | <5 <1 |
| 1,2-dibromoetriane | <1 | <1 | <1 | | <1 |
| 1.2-dichloroethane | <1 | <1 | <1 | | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | | <1 |
| 2-butanone (mek) | <10 | <10 | <10 | | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | | <5 |
| Acetone | <10 | <10 | <10 | | <10 |
| Acrylonitrile | <5 | <5 | <5 | | <5 |
| Alkalinity, as caco3 | | | | | |
| Antimony, total | <2 | <2 | <2 | | <2 |
| Arsenic, total | <4 | <4 264 | <4 215 | | <4 |
| Barium, total Benzene | 290 <1 | 264 <1 | 315 <1 | | 274 <1 |
| Benzene Beryllium, total | <1 | <1 <4 | <1 <4 | | <4 |
| Bromochloromethane | <1 | <1 | <1 | | <1 |
| Bromodichloromethane | <1 | <1 | <1 | | <1 |
| Bromoform | <1 | <1 | <1 | | <1 |
| Bromomethane | <1 | <1 | <1 | | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | | <.8 |
| Calcium, total | | | | | |
| Carbon disulfide | <1 | <1 | <1 | | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | | <1 |
| Chloride | | | | | |
| Chlorobenzene | <1 | <1 | <1 | | <1 |
| Chloroethane | <1 | <1 | <1 | | <1 |
| Chloroform | <1 | <1 | <1 | | <1 |
| Chloromethane | <1 | <1 | <1 | | <1 |
| Chromium, total | <8 <1 | <8 <1 | <8 <1 | | <8 <1 |
| Cis-1,2-dichloroethylene Cis-1,3-dichloropropene | <1 | <1 <1 | <1 | | <1 |
| Cobalt, total | <.4 | <.4 | <.4 | | <.4 |
| Copper, total | <4.0 | <4.0 | 7.1 | <4.0 | <4.0 |
| Dibromochloromethane | <1 | <1 | <1 | | <1 |
| Dibromomethane | <1 | <1 | <1 | | <1 |
| Ethylbenzene | <1 | <1 | <1 | | <1 |
| Lead, total | <4 | <4 | <4 | | <4 |
| Magnesium, total | | | | | |
| Methyl iodide | <1 | <1 | <1 | | <1 |
| Methylene chloride | <5 | <5 | <5 | | <5 |
| Nickel, total | <4.0 | <4.0 | <4.0 | | <4.0 |
| Nitrogen, ammonia | | | | | |
| pH | | | | | |
| Potassium, total Selenium, total | <4 | <4 | <4 | | <4 |
| | <4 | <4 | <4 | | <4 |
| Silver, total Sodium, total | \ 4 | \4 | \4 | | ~4 |
| Solidin, total | | | | | |
| Solids, total suspended | | | | | |
| Styrene | <1 | <1 | <1 | | <1 |
| Sulfate | " | | | | ' |
| Tetrachloroethylene | <1 | <1 | <1 | | <1 |
| Thallium, total Thallium, total | <2 | <2 | <2 | | <2 |
| Toluene | <1 | <1 | <1 | | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | | <5 |
| Trichloroethylene | <1 | <1 | <1 | | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | | <1 |
| Vanadium, total | <20 | <20 | <20 | | <20 |
| Vinyl acetate | <5 | <5 -1 | <5 | | <5 |
| Vinyl chloride Xylenes, total | <1 <2 | <1 <2 | <1 <2 | | <1 <2 |
| Zinc, total | <20 | <20 | <20 | | <20 |
| | \20 | ~20 | ~20 | | ~20 |

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

Table 9

Analytical Data Summary for 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 |
|---|---|------------|-----------|---------------|-----------|------------|---------------|------------|-----------|
| 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 | <5 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | <10.0 | <10.0 | 18.4 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | ug/L | 7.4 | 25.3 | <4.0 129.0 | 7.8 | <4.0 | <4.0 133.0 | 4.8 | <4.0 |
| Barium, total | ug/L | 171.0 | 241.0 | | 193.0 | 102.0 | | 94.4 <1 | 157.0 |
| Benzene Benzelium total | ug/L | <1 <4 | <1 <4 | <1 <4 | <1 <4 | <1 <4 | <1 <4 | <1 <4 | <1 <4 |
| Beryllium, total | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromochloromethane Bromodichloromethane | ug/L | <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L ug/L | <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L ug/L | <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium. total | ug/L ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L ug/L | <1 | <.o | <1 | <1 <1 | <1 | <1 <1 | <.0 <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | <8.0 | 9.8 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Cis-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | 3.0 | 4.4 | .8 | 5.0 | <.8 | 1.3 | 2.4 | 2.0 |
| Copper. total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Selenium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <2 | <2 | <2 |
| 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 | | | <1 | <1 | <1 | <1 | | | |
| Trans-1,4-dichloro-2-butene | | | <5 | <5 | <5 | <5 | <5 | | |
| Trichloroethylene | l ug/L <1 shape ug/L <1 shape sha | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | thane ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | <8 | <8> | <8 | <8 | <8 | <20 | <20 | <20 |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-98

| 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 |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <5 | <5 | <5 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 6.4 | 6.3 | 48.0 | <4.0 |
| Barium, total | 147.0 | 125.0 | 149.0 | 117.0 | 183.0 | 136.0 | 217.0 | 325.0 | 137.0 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane Chloroform | <1 <1 |
| | <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 | <1 <1 | <1 <1 |
| Chloromethane | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Chromium, total Cis-1,2-dichloroethylene | <0.0 <1 |
| Cis-1,2-dichloropropene | <1 | <1 | <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | 2.2 | .6 | 2.2 | .7 | 3.6 | 2.1 | 5.5 | 4.7 | 1.9 |
| Copper, total | <4.0 | 4.1 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead. total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |

 $[\]ensuremath{^{\star}}$ - 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 |
|---|---------------------|------------|-----------|-----------|-----------|------------|-----------|------------|-----------|
| 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 | <5 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | <2 <4 | <2 <4 | <2 <4 | <2 <4 | <2 <4 | <2 <4 | <2 <4 | <2 <4 |
| Arsenic, total | ug/L | | 109.0 | 140.0 | 93.9 | | 110.0 | 123.0 | 124.0 |
| Barium, total | ug/L | 131.0 | | | | 81.0 | | | |
| Benzene Bendlium total | ug/L | <1 <4 | <1 <4 | <1 <4 | <1 <4 | <1 <4 | <1 <4 | <1 <4 | <1 <4 |
| Beryllium, total | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromochloromethane Bromodichloromethane | ug/L | <1 | <1 <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L ug/L | <1 | <1 <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L ug/L | <1 | <1 <1 | <1 <1 | <1 <1 | <1 | <1 | <1 | <1 |
| Cadmium. total | ug/L ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L ug/L | <1 | <.o | <.o | <1 <1 | <1 | <1 <1 | <.0 <1 | <1 |
| Carbon tetrachloride | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | <8.0 | 23.4 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Cis-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | - <1 | <1 |
| Cobalt, total | ug/L | 5.2 | 3.4 | 6.0 | 2.5 | .8 | 3.1 | 2.7 | 4.1 |
| Copper. total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | ug/L | 5.6 | 5.1 | 8.8 | 4.3 | <4.0 | 5.1 | 7.1 | 6.5 |
| Selenium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <4 | <4 | <4 | <4 | | | <2 | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | | | <1 | | | | | | |
| Trans-1,3-dichloropropene | | | <1 | <1 | | | | | |
| Trans-1,4-dichloro-2-butene | | | <5 | <5 | | | | | |
| Trichloroethylene | ug/L <1 <1 <1 | | <1 | <1 | <1 | <1 | | | |
| Trichlorofluoromethane | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L <20 <20 <20 | | <20 | <20 | <20 | <20 | <20 | | |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | <8.0 | <8.0 | 11.2 | <8.0 | 23.6 | 27.8 | 20.8 | <20.0 |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-99

| Constituents | 10/19/2020 | 4/5/2021 | 10/8/2021 | 4/6/2022 | 10/25/2022 | 4/11/2023 | 10/13/2023 | 4/18/2024 | 10/15/2024 |
|--|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|------------|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <5 | <5 | <5 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 <4 |
| Arsenic, total Barium, total | <4 118.0 | <4 117.0 | <4 130.0 | <4 110.0 | <4 134.0 | <4 89.4 | <4 134.0 | <4 164.0 | 88.8 |
| Benzene | 118.0 | 117.0 <1 | 130.0 | 110.0 <1 | 134.0 | 89.4 <1 | 134.0 | 164.0 | 88.8 <1 |
| Beryllium, total | <4 | <4 | <4 | <1 <4 | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | 3.8 | 3.2 | 4.0 | 3.5 | 3.6 | 2.2 | 3.3 | 4.1 | .9 |
| Copper, total | <4.0 | 5.3 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | 6.9 | 5.1 | 5.5 | 5.3 | 6.2 | <4.0 | 5.3 | 6.3 | <4.0 |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2 <1 | <2 <1 | <2 <1 | <2 <1 | <2 <1 | <2 <1 | <2 <1 | <2 <1 | <2 <1 |
| Toluene | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Trans-1,2-dichloroethylene Trans-1,3-dichloropropene | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Trans-1,3-dichloropropene | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <5 | <1 <5 |
| Trans-1,4-dichloro-2-butene Trichloroethylene | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 |
| Trichloroethylene Trichlorofluoromethane | <1 | <1 | <1 <1 | <1 <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium. total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Variadium, total Vinyl acetate | <5 | <20 <5 | <20 <5 | <20 <5 | <5 | <5 | <5 | <20 <5 | <5 |
| Vinyl acetate Vinyl chloride | <5 <1 | <0 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |
| | -20.0 | -20.0 | -20.0 | -20.0 | -20.0 | -20.0 | -20.0 | -20.0 | -20.0 |

 $[\]ensuremath{^{\star}}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for SRAMP A

| Constituents | Units | 10/14/2016 | 4/10/2017 | 4/22/2019 | 12/17/2019 | 4/10/2020 | 4/5/2021 |
|------------------------------|--------------|------------|-----------|-----------|------------|-----------|-----------|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1.0 | <1.0 | 1.4 | <1.0 | <1.0 | <1.0 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <5 | <5 |
| 1.2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1.0 | <1.0 | 1.7 | <1.0 | <1.0 | <1.0 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | <2 | <2 | <2 | - 1 | <2 | <2 |
| Arsenic, total | ug/L | <4 | <4 | <4 | | <4 | <4 |
| Barium, total | ug/L | 232 | 196 | 250 | | 247 | 155 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | ug/L | <4 | <4 | <4 | ., | <4 | <4 |
| Bod (5 day) | mg/L | <5 | 25 | <5 | | | <5 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium. total | ug/L | <.8 | <.8 | <.8 | . ' | <.8 | <.8 |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Chemical oxygen demand | mg/L | <10 | <10 | <20 | '' | * 1 | <20 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | <8 | <8 | <8 | '' | <8 | <8 |
| Cis-1,2-dichloroethylene | ug/L | <1.0 | 1.3 | 2.8 | <1.0 | <1.0 | <1.0 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1.0 |
| Cobalt, total | ug/L | <.8 | <.8 | <.8 | '' | <.4 | <.4 |
| Copper, total | ug/L | <4 | <4 | <4 | | <4 | <4 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | `' | <4 | <4 |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | ug/L | <4 | <4 | <4 | | <4 | <4 |
| Nitrogen, ammonia | mg/L | <1 | <1 | <1 | | `~ | <1 |
| pH | pH | 8.1 | 7.8 | 7.9 | | | 8.3 |
| Selenium, total | ug/L | <4 | <4 | <4 | | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | | <4 | <4 |
| Solids, total suspended | mg/L | <2 | <2 | <4 | | | <3 |
| Styrene | ug/L | <1 | <1 <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L ug/L | <4 | <4 | <2 | `' | <2 | <2 |
| Toluene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L ug/L | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L ug/L | <1 | <1 | <1 | <1 <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L ug/L | <20 | <20 | <20 | ~" | <20 | <20 |
| Vinyl acetate | | <5 | <20 <5 | <5 | <5 | <20 <5 | <20 <5 |
| Vinyl acetate Vinyl chloride | ug/L | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 | <5 <1 |
| | ug/L | | | <1 <2 | | <2 | |
| Xylenes, total | ug/L | <2 | <2 | | <2 | | <2 |
| Zinc, total | ug/L | <8 | <8 | <20 | | <20 | <20 |

^{* -} 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 | :1 <1 <1 <1 | | 4/16/2024 | | |
|-----------------------------|---|-----------|---------------------------------------|------------|------------|-------------|------|------------|----------------|--|
| 1,1,1,2-tetrachloroethane | ug/L | <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 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <10 | <10 | <10 | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 4-methyl-2-pentanone (mibk) | ug/L <5 <5 <5 | | <5 | <5 | <5 | <5 | <5 | | | |
| Acetone | | | <10 | <10 | <10 | <10 | <10 | | | |
| Acrylonitrile | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Antimony, total | ug/L | <2 | ٦ | <2 | <2 | <2 | <2 | <2 | <2 | |
| Arsenic, total | ug/L | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | |
| Barium, total | ug/L ug/L | 36.8 | | 32.6 | 32.0 | 22.8 | 18.7 | 15.3 | 16.1 | |
| Benzene | ug/L ug/L | <1 | <1 | 52.0 <1 | 32.0 <1 | <1 | <1 | <1 | <1 | |
| Beryllium, total | ug/L ug/L | <4 | `' | <4 | <4 | <4 | <4 | <4 | <4 | |
| Bod (5 day) | mg/L | <5 | | ~4 | ~4 | ~ 4 | ~4 | ~ 4 | \ - | |
| Bromochloromethane | | <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 | <1 | <1 | |
| | ug/L | <1 | <1 | <1 | • | <1 | | | | |
| Bromomethane | ug/L | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | - | <1 | | <1 | <1 | <1 | |
| Cadmium, total | ug/L | <.8 | | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Carbon tetrachloride | ug/L | <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 | |
| 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 | |
| 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 | | <.4 | <.4 | <.4 | <.4 | <.4 | <.4 | |
| Copper, total | ug/L | <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 | |
| 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 | |
| Nitrogen, ammonia | mg/L | <1 | | | | | | | | |
| pH | pH | 7.6 | | | | | | | | |
| Selenium, total | ug/L | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | |
| Silver, total | ug/L | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | |
| Solids, total suspended | mg/L | <3 | | | • | | | · | • | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Thallium, total | ug/L | <2 | *1 | <2 | <2 | <2 | <2 | <2 | <2 | |
| Toluene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Trans-1,2-dichloroethylene | ug/L ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Trans-1,3-dichloropropene | | | | | - | | | <1 | <1 | |
| Trans-1,4-dichloro-2-butene | ug/L <1 <1 <1 <1 <1 <1 <1 e ug/L <5 <5 <5 <5 <5 | | <5 | <5 | | | | | | |
| Trichloroethylene | ug/L | | | | <5 <1 | <5 <1 | | | | |
| | ug/L <1 <1 <1 <1 ug/L <1 <1 <1 | | | | | | | | | |
| Trichlorofluoromethane | | | <1 | | <1 | <1 | <1 | <1 | | |
| Vanadium, total | | <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 | |
| Zinc, total | ug/L | | | <20 | | | | | | |

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

Table 9

Analytical Data Summary for SW-1

| Constituents | Units | 10/17/2014 | 4/14/2016 | 10/14/2016 | 4/10/2017 | 4/17/2018 | 7/2/2018 | 10/22/2018 |
|---|--------------|--|-----------|------------|-------------------|------------|----------|---------------------------|
| 1,1,1,2-tetrachloroethane | ug/L | | | <1 | <1 | <1 | | <1 |
| 1,1,1-trichloroethane | ug/L | | | <1 | <1 | <1 | | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | | | <1 | <1 | <1 | | <1 |
| 1,1,2-trichloroethane | ug/L | | | <1 | <1 | <1 | | <1 |
| 1,1-dichloroethane | ug/L | | | <1.0 | 1.1 | 1.2 | <1.0 | <1.0 |
| 1,1-dichloroethylene | ug/L | | | <1 | <1 | <1 | | <1 |
| 1,2,3-trichloropropane | ug/L | | | <1 | <1 | <1 | | - <1 |
| 1,2-dibromo-3-chloropropane | ug/L | | | <1 | <1 | <1 | | <1 |
| 1.2-dibromoethane | ug/L | | | <1 | <1 | <1 | | <1 |
| 1,2-dibromoetriarie | ug/L ug/L | | | <1.0 | <1.0 | 3.6 | <1.0 | <1.0 |
| 1,2-dichloroethane | | | | <1.0 | <1.0 | 3.0 <1 | <1.0 | <1.0 |
| 1,2-dichloropropane | ug/L | | | <1 | <1 | <1 <1 | | <1 |
| | ug/L | | | | | | | |
| 1,4-dichlorobenzene | ug/L | | | <1 | <1 | <1 | | <1 |
| 2-butanone (mek) | ug/L | | | <5 | <5 | <5 | | <5 |
| 2-hexanone (mbk) | ug/L | | | <5 | <5 | <5 | | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | | | <5 | <5 | <5 | | <5 |
| Acetone | ug/L | | | <10 | <10 | <10 | | <10 |
| Acrylonitrile | ug/L | | | <5 | <5 | <5 | | <5 |
| Antimony, total | ug/L | | | <2 | <2 | <2 | | <2 |
| Arsenic, total | ug/L | | | <4 | <4 | <4 | | <4 |
| Barium, total | ug/L | | | 150 | 201 | 169 | | 182 |
| Benzene | ug/L | | | <1 | <1 | <1 | | <1 |
| Beryllium, total | ug/L | | | <4 | <4 | <4 | | <4 |
| Bromochloromethane | ug/L | | | <1 | <1 | <1 | | <1 |
| Bromodichloromethane | ug/L | | | <1 | <1 | <1 | | <1 |
| Bromoform | ug/L | | | <1 | <1 | <1 | | <1 |
| Bromomethane | ug/L | | | <1 | <1 | <1 | | <1 |
| Cadmium, total | ug/L | | | <.8 | <.8 | <.8 | | <.8 |
| Carbon disulfide | ug/L | | | <1 <1 | <1 <1 | <1 <1 | | <1 |
| Carbon distillide Carbon tetrachloride | | | | <1 | <1 | <1 | | <1 |
| | ug/L | 24 | -10 | `1 | | \ 1 | | `1 |
| Chemical oxygen demand | mg/L | 21 | <10 | | | | | |
| Chloride | mg/L | 17 | 24 | | 4.0 | | | 4.0 |
| Chlorobenzene | ug/L | | | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 |
| Chloroethane | ug/L | | | <1 | <1 | <1 | | <1 |
| Chloroform | ug/L | | | <1 | <1 | <1 | | <1 |
| Chloromethane | ug/L | | | <1 | <1 | <1 | | <1 |
| Chromium, total | ug/L | | | <8 | <8 | <8 | | <8 |
| Cis-1,2-dichloroethylene | ug/L | | | <1 | <1 | <1 | | <1 |
| Cis-1,3-dichloropropene | ug/L | | | <1 | <1 | <1 | | <1 |
| Cobalt, total | ug/L | | | <.8 | <.8 | <.8 | | <.8 |
| Copper, total | ug/L | | | <4 | <4 | <4 | | <4 |
| Dibromochloromethane | ug/L | | | <1 | <1 | <1 | | <1 |
| Dibromomethane | ug/L | | | <1 | <1 | <1 | | <1 |
| Ethylbenzene | ug/L | | | <1 | <1 | <1 | | <1 |
| Iron, dissolved | ug/L | <100 | <100 | | | | | |
| Lead, total | ug/L | | | <4 | <4 | <4 | | <4 |
| Methyl iodide | ug/L | | | <1 | <1 | <1 | | <1 |
| Methylene chloride | ug/L | | | <5 | <5 | <5 | | <5 |
| Nickel, total | ug/L ug/L | | | <4.0 | <4.0 | 4.1 | | <4.0 |
| Nitrogen, ammonia | mg/L | <1 | <1 | ~0 | ~ - .0 | 7.1 | | ~ - 7.0 |
| Phenols, total | mg/L | <.1 | ``' | | | | | |
| | | \ \.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | -4 | -4 | -4 | | |
| Selenium, total | ug/L | | | <4 | <4 | <4 | | <4 |
| Silver, total | ug/L | | | <4 | <4 | <4 | | <4 |
| Solids, total suspended | mg/L | | | <2 | | | | |
| Styrene | ug/L | | | <1 | <1 | <1 | | <1 |
| Tetrachloroethylene | ug/L | | | <1 | <1 | <1 | | <1 |
| Thallium, total | ug/L | | | <4 | <4 | <4 | | <4 |
| Toluene | ug/L | | | <1 | <1 | <1 | | <1 |
| Total organic halogens (tox) | mg/L | .021 | | | | | | |
| Trans-1,2-dichloroethylene | ug/L | | | <1 | <1 | <1 | | <1 |
| Trans-1,3-dichloropropene | ug/L | | | <1 | <1 | <1 | | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | | | <5 | <5 | <5 | | <5 |
| Trichloroethylene | ug/L | | | <1 | <1 | <1 | | <1 |
| Trichlorofluoromethane | ug/L | | | <1 | <1 | <1 | | <1 |
| Vanadium, total | ug/L | | | <20 | <20 | <20 | | <20 |
| Vinyl acetate | | | | <5 | <5 | <5 | | <5 |
| | ug/L | | | | | - | | |
| Vinyl chloride | ug/L | | | <1 | <1 | <1 | | <1 |
| Xylenes, total | ug/L | | | <2 | <2 | <2 | | <2 |
| Zinc, total | ug/L | | | <8 | <8> | <8 | | <8 |

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

Table 10 – Historic SSI and SSL– Not Required

Table 11 – Corrective Action Trend Analysis– Not Required

| Leachate Level Summary | |
|-----------------------------------|--|
| 2024 Annual Water Quality Report | |
| Marshall County Sanitary Landfill | |
| Permit No. 64-SDP-02-75P | |

Monthly Leachate Levels - Marshall County Landfill 2024

| | OPER | ATING LANI | DFILL - LINE | D | C | LOSED LAN | NDFILL - UN | LINED |
|------------|------------|----------------|--------------|------------|------------|-------------|-------------|-------------|
| | | Area B4 | | | Area B1 | Area B3 | Area | C/D |
| Date | LPZ-101 | LPZ-102 | GPZ - 105 | LPZ-106 | LW -73 | LW-75 | LW-78 | LW-79 |
| | (cell bse) | (in trench) | Grndwater | (cell bse) | | | | |
| | 10.0 Depth | 8.3 Depth | 12.1 Depth | 7.8 Depth | 30.08 Dept | 45.23 Depth | 25.90 Depth | 23.00 Depth |
| 1/4/24 | 10 dry | 8.14 | 12.09 | 7.8 dry | 29.66 | 32.26 | 17.71 | 15.64 |
| 2/8/24 | 10 dry | 7.95 | 12 | 7.8 dry | 29.65 | 31.54 | 17.75 | 15.05 |
| 3/12//2024 | 10 dry | 8.1 | 12 | 7.8 dry | 29.66 | 31.66 | 17.66 | 15.51 |
| 4/17/24 | 10 dry | 8.01 | 12.02 | 7.8 dry | 29.64 | 32.05 | 17.43 | 15.4 |
| 5/15/24 | 10 dry | 8.03 | 11.86 | 7.8 dry | 29.66 | 31.6 | 17.37 | 14.75 |
| 6/25/24 | 10 dry | 8.06 | 11.94 | 7.8 dry | 29.65 | 31.01 | 17.17 | 13.96 |
| 7/23/24 | 10 dry | 8.05 | 11.89 | 7.8 dry | 29.66 | 30.89 | 17.18 | 13.85 |
| 8/8/24 | 10 dry | 8.07 | 11.91 | 7.8 dry | 29.67 | 30.86 | 17.21 | 13.46 |
| 9/5/24 | 10 dry | 8.09 | 11.95 | 7.8 dry | 29.66 | 31.01 | 17.21 | 13.51 |
| 10/15/24 | 10 dry | 8.1 12 | | 7.8 dry | 29.68 | 31.4 | 17.38 | 14.34 |
| 11/18/24 | 10 dry | dry 8.02 11.99 | | 7.8 dry | 29.67 | 31.1 | 17.32 | 14.54 |
| 12/9/24 | 10 dry | 8.09 | 12.04 | 7.8 dry | 29.69 | 31.18 | 17.36 | 14.37 |

Table 13 – Gas Monitoring Summary

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

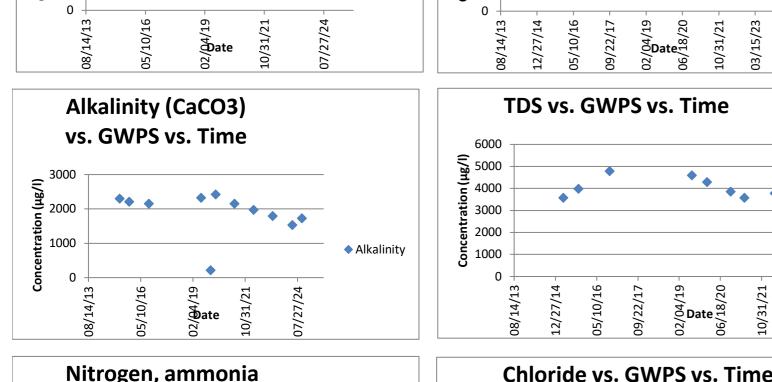
| | 25-Jan-24 | 16-Apr-24 | 18-Jul-24 | 15-Oct-24 |
|---------------------------------|-----------|-----------|-----------|-----------|
| Reference Location | LEL | LEL | LEL | LEL |
| | % | % | % | % |
| Scale House Interior | 0 | 0 | 0 | 0 |
| Old Scale House Interior | 0 | 0 | 0 | 0 |
| Electronics 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 | 22.8 | 0 |
| GP-7 | 24.3 | 34.6 | 0 | 0 |
| GP-8 (MW-213) | 0 | 0 | 0 | 0 |
| GU-2 | 0 | 0 | 0 | 0 |
| GU-3 | 0 | 0 | 0 | 0 |

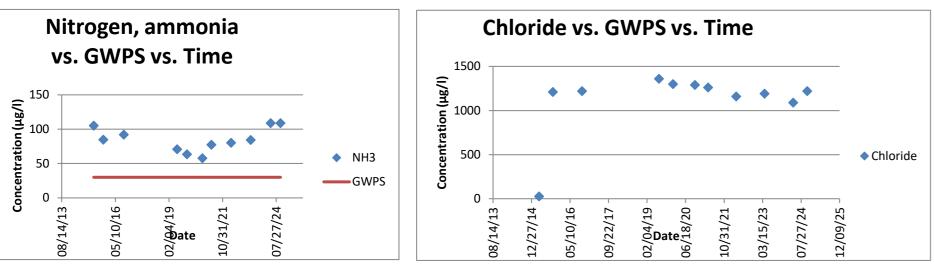
Table 14 – LW-75 Leachate Quality Data

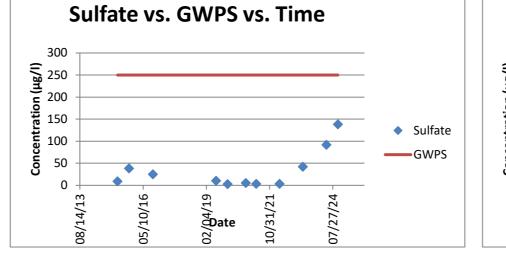
Table 14 Leachate Well LW-75 - Leachate Quality over Time

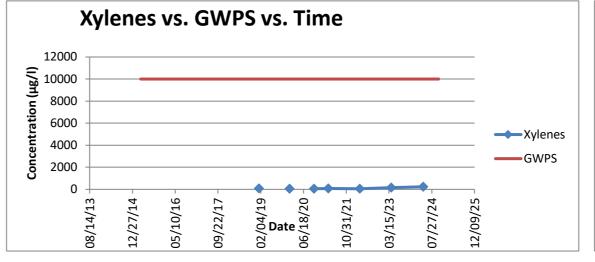
Annual Water Quality Report Marshall County Sanitary Landfill

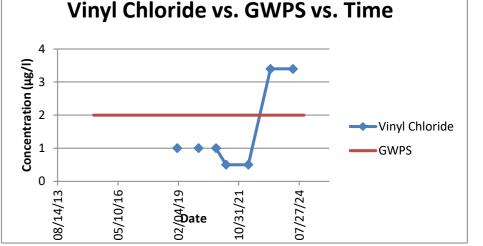
| • | entration GWPS | Alkalinity Concentration | | Nitrogen (N PS Concentrati | on GW | pH VPS Concentration | | PS GWF | S Concentration | | chloride VPS Concentration | | Sulfate SWPS Concentrat | | Benzene WPS Concentrat | | Ethyl Ben WPS Concentr | ation | Xylene GWPS Concentra | | | cis-1,2-dichloroeth GWPS Concentration | (| Vinyl Chlorid GWPS Concentratio | n GW | Cobalt VPS Concentration | | Metha WPS Conce | entration GWPS |
|---|----------------|-----------------------------|---------------|--|-------------|-------------------------|------|--------|-----------------|--------------|-------------------------------|------|---------------------------------------|--------|---------------------------|------|---------------------------|------------------|--|-----------------|---------|---|-------------|------------------------------------|--------|-----------------------------|------|--------------------|----------------------------|
| mg/L | O . | mg/L | mg/l 00 no | _ | | g/L mg/L 30 | mg/ | L mg/l | | mg 3570 n | g/L mg/L | | ng/L mg/L none | n 9 | ng/L ug/L | ug | g/L ug/L | | ıg/L ug/L | ug/L ug/L | | ug/L ug/L | ι | ug/L ug/L 70 | ug/ | /L ug/L | u | g/L mg/L | mg/L |
| 4/3/2015 10/1/2015 | none | | 10 no | | 105 84.8 | 30 | | 5 | | 3980 n | | .210 | | 38.5 | 250 250 | | 5 | | 700 700 | 10000 10000 | | 75 75 | | 70 70 | | 2 | | 2.1 2.1 | none none |
| 10/1/2015 | none | | 50 no | | 92.2 | 30 | | 5 | | 4790 n | | .210 | | 24.7 | 250 | | 5 | | 700 | 10000 | | 75 75 | | 70 | | 2 | | 2.1 | none |
| 1/15/2019 | none | | | | 92.2 | 30 | | 5 | 9 | | | .220 | | 24.7 | 250 | 7.8 | 5 | 77 0 | 700 | 86 10000 | 18 | | 2.5 | 70 70 | 1 | 2 | | 2.1 | none |
| 7/8/2019 | none none | | no 20 no | | 71 | 30 | 7 | 5 | 9 | 4590 n | one | .360 | none | 10.2 | 250 | 7.0 | 5 | 77.0 | 700 | 10000 | 10 | .2 /3 | 2.3 | 70 70 | 1 | 2 | | 2.1 | none |
| 10/23/2019 | 67 none | | no | | /1 | 30 | , | 5 | 9 | | ione | .500 | none | 10.2 | 250 | | 5 | | 700 | 10000 | | 75 75 | | 70 | | 2 | | 2.1 | none |
| 1/7/2020 | 58 none | | 11 no | | 63.3 | | 7.2 | 5 | 9 | 4290 n | | .300 | | 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 | | 20 no | | 03.3 | | 6.9 | 5 | 9 | | ione | .500 | none | 2.0 | 250 | 2.5 | 5 | 40.4 | 700 | 10000 | 11 | .2 75 75 | 2.5 | 70 | - | 2 | 13 | 2.1 | 11.5 none |
| 10/19/2020 | 52 none | | no | | 57.9 | 30 | 0.5 | 5 | 9 | 3860 n | | 290 | | 5.2 | 250 | 3.4 | 5 | 38.6 | 700 | 49.2 10000 | q | .4 75 | 1 | 70 | 1 | 2 | 13.8 | 2.1 | none |
| 4/5/2021 | 64 none | | .50 no | | 77.3 | 30 | 7 | 5 | | 3570 n | | 260 | | 3.5 | 250 | 4.8 | 5 | 39.9 | 700 | 71.4 10000 | | . 4 75 | 1 | 70 | 0.5 | 2 | 13.8 | 2.1 | 6.53 none |
| 4/6/2022 | 86 none | | 70 no | | 80.3 | | 6.9 | 5 | | 3780 n | | 160 | | 3.2 | 250 | 5.2 | 5 | | 700 | 62.1 10000 | | 10 75 | 0.5 | 70 | 0.5 | 2 | 20 | 2.1 | 6.41 |
| 4/10/2023 | 73 none | | 90 no | | | | 6.7 | 5 | | 3970 n | | 190 | | 42.2 | 250 | 9.4 | 5 | | 700 | 161 10000 | 67 | | 5.4 | , 0 | 3.4 | 2 | 30.9 | 2.1 | 1.36 none |
| 4/16/2024 | 123 none | | 30 no | | 109 | | 7.1 | 5 | | 3680 n | | .090 | | 92 | 250 | 8.9 | 5 | | 700 | 231 10000 | | 53 75 | 6.8 | | 3.4 | 2 | 22.1 | | none |
| 10/15/2024 | 82 none | | 30 no | | | | 6.6 | 5 | | 3780 n | | .220 | | 138 | 250 | | 5 | | 700 | 10000 | | 75 | | 70 | | 2 | 18.8 | | 5.53 none |
| BOD vs | . GWPS vs. | Time | | | i | pH vs. GWPS | vs. | Time | | | | | Sulfat | te vs. | . GWPS vs. | Time | e | | X | ylenes vs. GWPS | vs. Tir | ne | | V | inyl C | chloride vs. | GWF | PS vs. Ti | ime |
| Concentration (hg/l) 120 100 80 40 20 0 8 | • | 1 + 4 | | ◆ BOD Output (I) and incitation (II) | 8 🕂 | - F1 - 71 | - 61 | 1 1 | 23 - | | pH Low GWPS High GWPS | | Concentration (hg/l) 250 200 150 50 0 | • | . • • • • | * | | Sulfate •GWPS | Concentration (lig/l) 10000 - 00000 - 0000 - 0000 - 0000 - 0000 - 0000 - 0000 - 0000 - 0000 - 00000 - 0000 - 0000 - 0000 - 0000 - 0000 - 0000 - 0000 - 0000 - 00000 - 0000 - 0000 - 0000 - 0000 - 0000 - 0000 - 0000 - 0000 - 0000 | | • • • | 23 | Xylene GWPS | 5 | | | | | → Vinyl Chloride — GWPS |

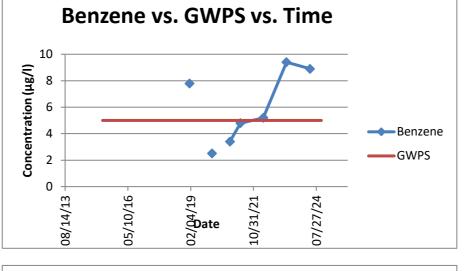


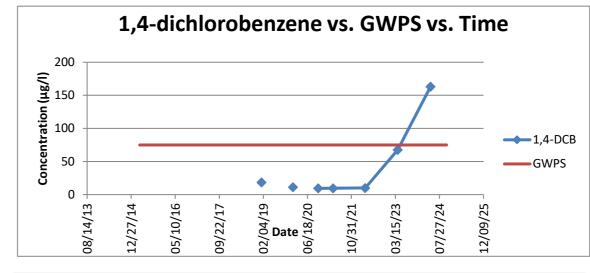


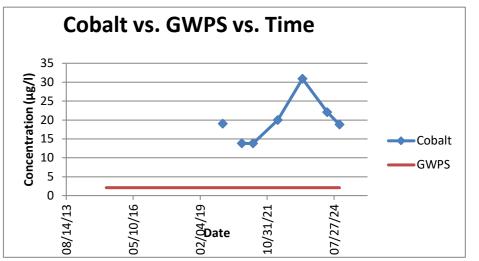


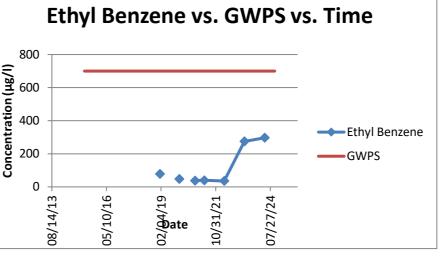


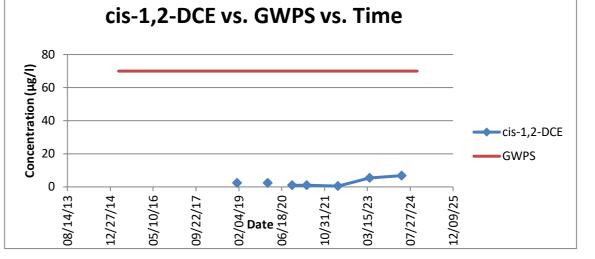












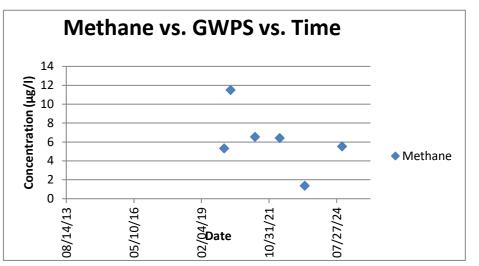


Table 15 – Vent Gas Evaluation Summary

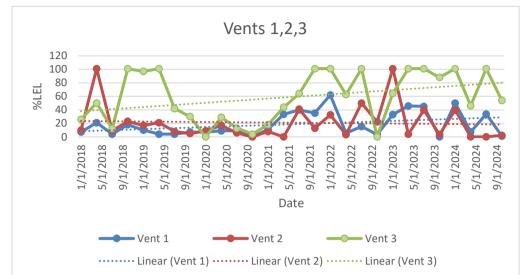
Table 15
SRAMP Vent Gas Evaluation
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

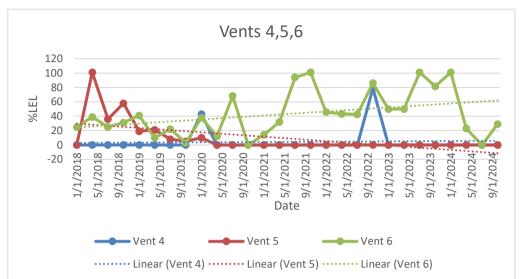
Y: 101 = a value that exceeds 100% of the LEL

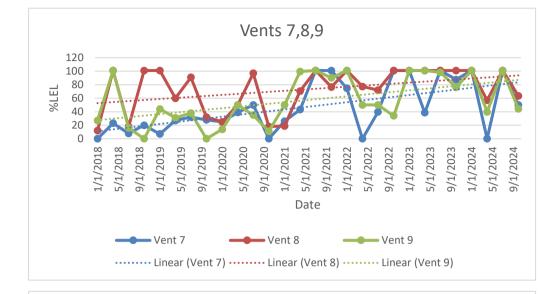
| Date | Vent 1 | Vent 2 | Vent 3 | Vent 4 | Vent 5 | Vent 6 | Vent 7 | Vent 8 | Vent 9 | Vent 10 | Vent 11 | Vent 12 | Vent 13 | Vent 14 | Vent 15 | Vent 16 | Vent 17 | Vent 18 | Vent 19 | Vent 20 | Vent 21 | Vent 22 | Vent 23 | Vent 24 | Vent 25 | Vent 26 | Vent 27 |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 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 | | 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 | | 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 | | 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 | | 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 | | 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 | | 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 | | 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 | | 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 | | 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 | | 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 | | 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 | | 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 |

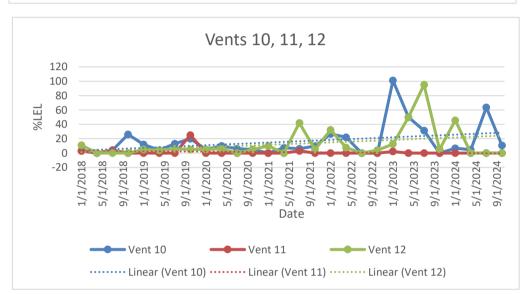
Table 15
SRAMP Vent Gas Evaluation
Annual Water Quality Report
Marshall County Sanitary Landfill
Permit No. 64-SDP-02-75P

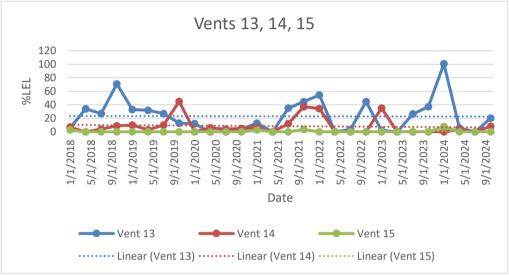
KEY: 101 = a value that exceeds 100% of the LEL

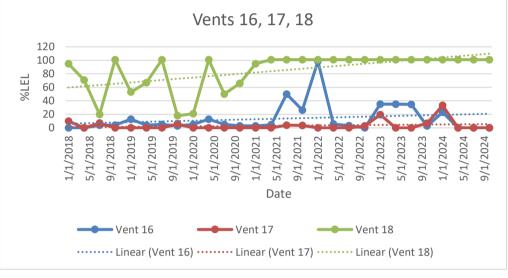


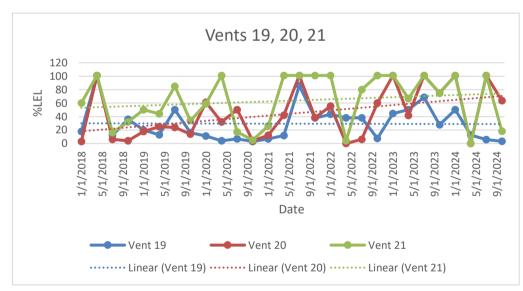


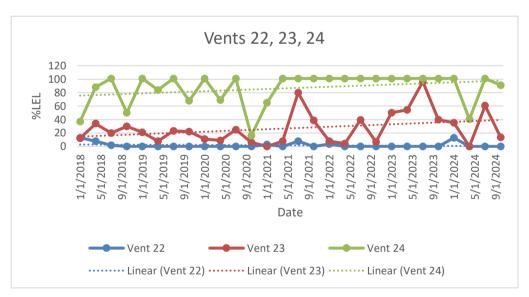












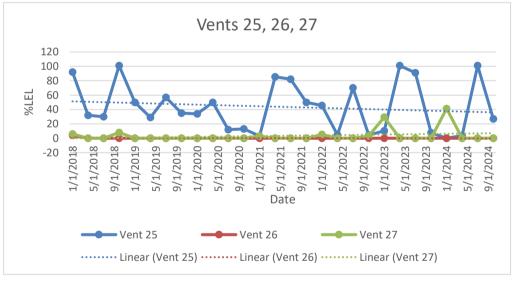


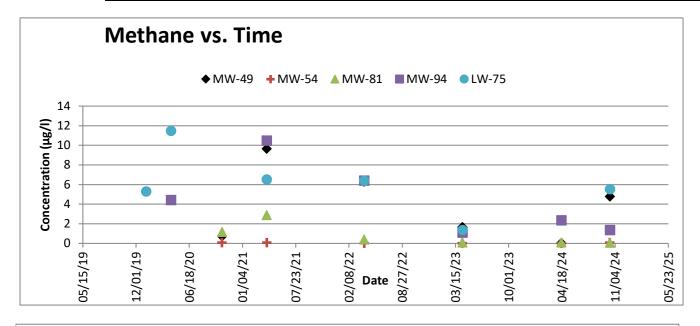
Table 16 – Dissolved Methane, Ethane, Ethene, and Alkalinity and pH CAMP Testing Summary

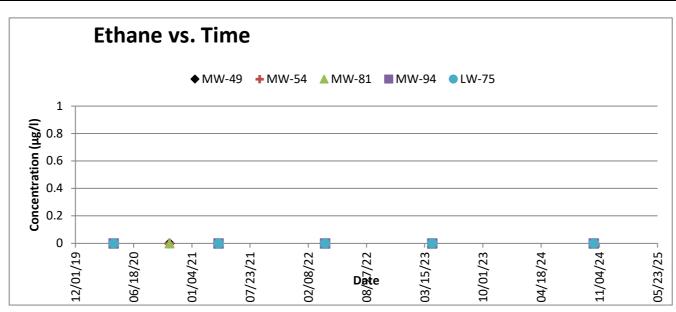
Table 16

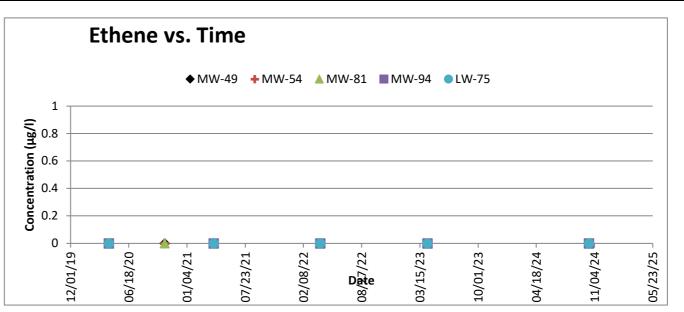
Methane, Ethane, Ethene, Alkalinity, and pH over Time

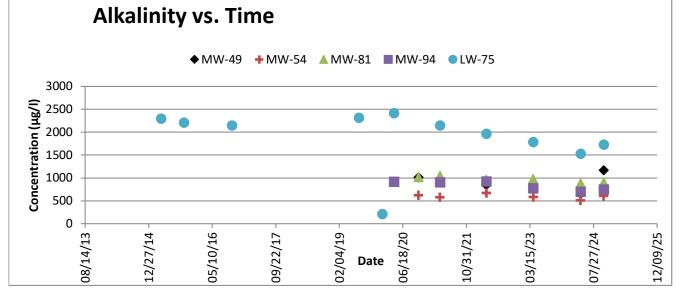
Annual Water Quality Report Marshall County Sanitary Landfill Permit No. 64-SDP-02-75P

| Ī | Methane | | | | | Ethane | | | | | | Ethene | | | | | Alkalinity | | | | | | рН | | | | |
|-------------|---------------|---------------|---------------|---------------|---------------|----------|---------------|----------|----------|---------------|---------|---------------|---------|---------------|---------|---------------|------------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|--|--|
| | MW-49 | MW-54 | MW-81 | MW-94 | LW-75 | MW-49 | MW-54 | MW-81 | MW-94 | LW-75 | MW-49 | MW-54 | MW-81 | MW-94 | LW-75 | MW-49 | MW-54 | MW-81 | MW-94 | LW-75 | MW-49 | MW-54 | MW-81 | MW-94 | LW-75 | | |
| Sample Date | Concentration | Concentration | Concentration | Concentration | Concentration | GWPS | Concentration | GWPS | GWPS | Concentration | GWPS | Concentration | GWPS | Concentration | GWPS | Concentration | GWPS | Concentration | GWPS | Concentration | GWPS | Concentration | GWPS | Concentration | GWPS | | |
| I | ng/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 | | |
| 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 | 2 | | | | | | | | | | | | | | 211 | L | | | | | | |
| 4/10/2020 | | | | 4.44 | 11.5 | 5 | | | <0.010 | <0.013 | | | | <0.010 | <0.013 | | | | 919 | 9 2420 |) | | | 6. | 6.9 | | |
| 10/19/2020 | 0.737 | 0.068 | 1.16 | 5 | | <0.010 | <0.014 | <0.010 | | | <0.010 | <0.014 | <0.010 | | | 1010 | 624 | 1020 | 1 | | 6.4 | 4 6. | 7 | 6.6 | | | |
| 4/5/2021 | 9.66 | 0.063 | | 10.5 | | <0.013 | <0.010 | <0.010 | <0.010 | <0.010 | <0.013 | <0.010 | <0.010 | <0.010 | <0.010 | 960 | 581 | 1050 | 904 | 4 2150 | 6.7 | 7 6. | 8 | 6.7 | 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 | 1 670 | 965 | 923 | 1970 | 6.5 | 5 6. | 8 | 6.6 | 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 | 5 1790 | 6.5 | 5 | | 6.6 | 6.7 | | |
| 4/16/2024 | 0.0223 | 0.0091 | 0.0962 | 2.37 | <u>'</u> | | | | | | | | | | | 652 | 512 | 886 | 698 | 1530 | 6.5 | 5 6. | 7 | 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 | 1170 | 612 | 907 | 752 | 2 1730 | 6.3 | 6. | 4 | 6.3 | 6.6 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |









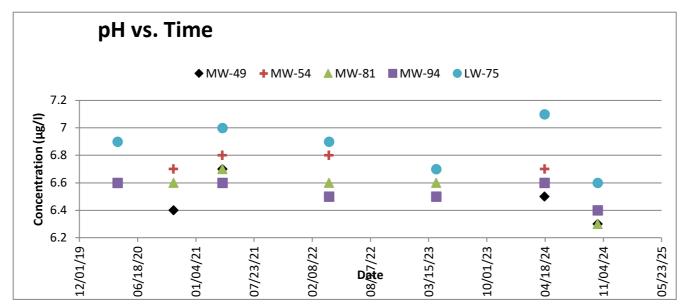
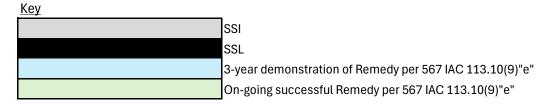


Table 17 – Progress of the Remedy

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



| 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 | Fall 2026 |
|---|------------------------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|-----------|
| | Cobalt | | | | | | | | | | | | | |
| MW-87 (AZPOC) - related to | 1,2-dichloropropane | | | | | | | | | | | | | |
| Supplemental Well MW-81 | cis-1,2-dichloroethene | | | | | | | | | | | | | |
| | Vinyl Chloride | | | | | | | | | | | | | |
| MW-89 (AZPOC) - related to Supplemental Well MW-54 | Cobalt | | | | | | | | | | | | | |
| | Arsenic | | | | | | | | | | | | | |
| M/M/ 04 (A7DOO) walatadta | Cobalt | | | | | | | | | | | | | |
| MW-91 (AZPOC) - related to Supplemental Well MW-49 | Selenium | | | | | | | | | | | | | |
| Supplemental Well MW-49 | 1,1-dichloroethane | | | | | | | | | | | | | |
| | Vinyl Chloride | | | | | | | | | | | | | |
| | Arsenic | | | | | | | | | | | | | |
| MW-97 (AZPOC) - related to | Cobalt | | | | | | | | | | | | | |
| Supplemental Well MW-94 | cis-1,2-dichloroethene | | | | | | | | | | | | | |
| | Vinyl Chloride | | | | | | | | | | | | | |

Appendix A Field Sampling Forms

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

4/16/2024 Weather Conditions: Overcast mist breezy 50 degrees Sampled by: Todd Whipple

IDNR Form 542-1322

Monitoring Well: MW-49 (dg)

Primary Sampling Method: Secondary Sampling Method: No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

Date

4/16/2024

Time

9:10

Water Level Water Elevation

999.88

20.11

Notes

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) | 14.83 |
| | |

| ANALYTES, CONTAINERS, AND VOLUMES | | | | | | | | |
|-----------------------------------|---------------------|----------------------------|---|---|---|--|--|--|
| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) | | | |
| All | Field NTU | 10 | 10 | | 14.83 | | | |
| Appendix I | Metals | 150 | 150 | | 14.83 | | | |
| Appendix I | VOC | 240 | 240 | | 14.83 | | | |
| Full Appendix II | 10 more containers | 5620 | | | | | | |
| TSS | TSS | 1000 | | | | | | |
| Supplemental | bis 2 | 946 | | | | | | |
| Supplemental | add VOC, alkalinity | 370 | 0 | | | | | |
| Total | | | 400 | 0 | | | | |

| RGE & SAMPLE | METHOD - Purg | e by Waterra Inertia | al Lift Pump, then w | rell rest, then sam | ole collection | | | | |
|--------------|---------------|----------------------|----------------------|---------------------|----------------|-----------|------------------|---------------------|------------|
| TOC | 1019.99 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry |
| Well Depth | 26.42 | Before purging | 4/16/2024 | 9:10 | 20.11 | 999.88 | 2 | 1.9 | yes |
| | | After purging | | | | 1019.99 | | | |
| | | Top of Screen Janua | ary 1990 | | | 1003.57 | | | |
| | | | | | | 16.42 | feet above (+) o | r below (-) top sci | reen |
| | | Bottom of Well Janu | ary 1990 | | | 993.57 | | | |
| | | Bottom of Well | 4/16/2024 | | 26.25 | 993.74 | | | |
| | | | | | | 0.17 | feet sedimentati | on | |
| | | Before Sampling | | 9:24 | 24.64 | 995.35 | | | |
| | | Recovery | | 10:42 | 21.31 | 998.68 | | | |
| | | Recovery | | | | 1019.99 | | | |
| | | Recovery | | | | 1019.99 | | | |
| | | Recovery | | | | 1019.99 | | <u> </u> | <u> </u> |

Monitoring Well: MW-54 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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) | 19.53 |

| Date | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 4/16/2024 | 8:46 | 17.46 | 1017.98 | |

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 | | 19.53 |
| Appendix I | Metals | 150 | 150 | | 19.53 |
| Appendix I | VOC | 240 | 240 | | 19.53 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | add VOC, alkalinity | 370 | 0 | | |
| Total | | | 400 | 0 | |

| RGE & SAMPLE | EMETHOD - Purge | by waterra inertia | ai Liit Pump, then v | ven rest, then sam | ne conection | | | | |
|--------------|-----------------|---------------------|----------------------|--------------------|--------------|-----------|------------------|---------------------|-------------|
| TOC | 1035.44 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 31.95 | Before purging | 4/16/2024 | 8:46 | 17.46 | 1017.98 | 3 | 1.3 | no |
| | | After purging | | | | 1035.44 | | | • |
| | | Top of Screen Janua | ary 1990 | | | 1013.49 | | | |
| | | | | | | 21.95 | feet above (+) o | r below (-) top sci | reen |
| | | Bottom of Well Janu | ary 1990 | | | 1003.49 | | | |
| | | Bottom of Well | 4/16/2024 | | 31.80 | 1003.64 | | | |
| | | | | | | 0.15 | feet sedimentati | on | |
| | | Before Sampling | | 9:01 | 25.45 | 1009.99 | | | |
| | | Recovery | | 10:40 | 21.48 | 1013.96 | | | |
| | | Recovery | | | | 1035.44 | | | |
| | | Recovery | | | | 1035.44 | | | |
| | | Recovery | | | | 1035.44 | | | |

Monitoring Well: MW-66 (ug)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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 |
|-----------|------|-------------|-----------------|-------|
| 4/16/2024 | | >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 | |

| 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 1 | 1990 | | | 995.53 | | | |
| | | | | | | 36.86 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well May | 1990 | | | 980.53 | | | |
| | | Bottom of Well | 10/25/2022 | | 51.80 | 980.59 | | | |
| | | | | | | 0.06 | feet sedimentati | on | |
| | | Before Sampling | | | | 1032.39 | | | |
| | | Recovery | | | | 1032.39 | | | |
| | | Recovery | | | | 1032.39 | | | |
| | | Recovery | | | | 1032.39 | | | |
| | | Recovery | | | | 1032.39 | | | |

Monitoring Well: MW-81 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

NO PURGE METHOD

| 110 1 OILOL IIILIII | <u> </u> |
|---------------------|----------|
| 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) | 1.56 |

| Date | Time | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 4/16/2024 | 11:20 | 22.49 | 986.78 | |

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 | | 1.56 |
| Appendix I | Metals | 150 | 150 | | 1.56 |
| Appendix I | VOC | 240 | 240 | | 1.56 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | add VOC, alkalinity | 370 | 0 | | |
| Total | | | 400 | 0 | |

| IRGE & SAMPLE | METHOD - Purge | by waterra inertia | i Lift Pump, then v | ven rest, then sam | pie collection | | | | |
|---------------|----------------|---------------------|---------------------|--------------------|----------------|-----------|------------------|---------------------|-------------|
| TOC | 1009.27 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 35.00 | Before purging | 4/16/2024 | 11:20 | 22.49 | 986.78 | 3 | 1.5 | no |
| | | After purging | | | | 1009.27 | | • | • |
| | | Top of Screen Janua | ary 1990 | | | 989.27 | | | |
| | | | | | | 20.00 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 974.27 | | | |
| | | Bottom of Well | 4/16/2024 | | 33.90 | 975.37 | | | |
| | | | | | | 1.10 | feet sedimentati | on | |
| | | Before Sampling | | 11:32 | 26.50 | 982.77 | | | |
| | | Recovery | | 14:43 | 22.64 | 986.63 | | | |
| | | Recovery | | | | 1009.27 | | | |
| | | Recovery | | | | 1009.27 | | | |
| | | Recovery | | | | 1009.27 | | | |

Monitoring Well: MW-85 (ug)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

NO PURGE METHOD

| NO I DIVOL MILITI | 00 |
|---------------------|---------|
| 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 | 64.00 |
| Top sample | 975.27 |
| Bottom sample | 971.27 |
| Turbidity(NTU) | 6.76 |

| Date | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 4/16/2024 | 7:51 | 37.42 | 1001.85 | • |

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 6.76 |
| Appendix I | Metals | 150 | 150 | | 6.76 |
| Appendix I | VOC | 240 | 240 | | 6.76 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 1039.27 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|----------------------------|---------------------|-----------------------------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 72.07 | Before purging | 4/16/2024 | 7:51 | 37.42 | 1001.85 | 3 | 0.5 | no |
| | | After purging | | | | 1039.27 | | | |
| | Top of Screen January 1990 | | | | | 982.20 | | | |
| | | | | | | 57.07 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | Bottom of Well January 1990 | | | 967.20 | | | |
| | | Bottom of Well | 4/16/2024 | | 71.20 | 968.07 | | | |
| | | | | | | 0.87 | feet sedimentati | on | |
| | | Before Sampling | | 8:03 | 52.40 | 986.87 | | | |
| | | Recovery | | 10:50 | 38.31 | 1000.96 | | | |
| | | Recovery | | | | 1039.27 | | | |
| | | Recovery | | | | 1039.27 | | | |
| | | Recovery | | | | 1039.27 | | | |

Monitoring Well: MW-87 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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 | 14.50 |
| Top sample | 949.70 |
| Bottom sample | 945.70 |
| Turbidity(NTU) | 1.82 |

| Date | Time | Water Level | Water Elevation | Notes | |
|-----------|-------|-------------|-----------------|-------|--|
| 4/16/2024 | 11:02 | 5.25 | 958.95 | | |

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 1.82 |
| Appendix I | Metals | 150 | 150 | | 1.82 |
| Appendix I | VOC | 240 | 240 | | 1.82 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | | 400 | 0 | _ |

| TOC | 964.2 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|-------|---------------------|-----------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 21.58 | Before purging | 4/16/2024 | 11:02 | 5.25 | 958.95 | 3 | 1.1 | no |
| | | After purging | | | | 964.20 | | • | |
| | | Top of Screen Janu | ary 1990 | | | 952.62 | | | |
| | | | | | | 11.58 | feet above (+) o | r below (-) top sci | reen |
| | | Bottom of Well Janu | iary 1990 | | | 942.62 | | | |
| | | Bottom of Well | 4/16/2024 | | 21.00 | 943.20 | | | |
| | | | | | | 0.58 | feet sedimentati | on | |
| | | Before Sampling | | 11:11 | 11.76 | 952.44 | | | |
| | | Recovery | | 14:41 | 6.19 | 958.01 | | | |
| | | Recovery | | | | 964.20 | | | |
| | | Recovery | | | | 964.20 | | | |
| | | Recovery | | | | 964.20 | | | <u> </u> |

Monitoring Well: MW-89 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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) | 2.11 |

| Date | Time | Water Level | Water Elevation | Notes | |
|-----------|-------|-------------|-----------------|-------|---|
| 4/16/2024 | 10:44 | 8.26 | 1004.53 | | _ |

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 2.11 |
| Appendix I | Metals | 150 | 150 | | 2.11 |
| Appendix I | VOC | 240 | 240 | | 2.11 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | - | 400 | 0 | |

| URGE & SAMPLE | E METHOD - Purge t | by waterra inertia | ai Litt Pump, then v | ven rest, then samp | ie collection | | | | |
|---------------|--------------------|---------------------|----------------------|---------------------|---------------|-----------|------------------|---------------------|-------------|
| TOC | 1012.79 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 27.50 | Before purging | 4/16/2024 | 10:44 | 8.26 | 1004.53 | 3 | 1.0 | no |
| | | After purging | | | | 1012.79 | | | |
| | | Top of Screen Janua | ary 1990 | | | 995.25 | | | |
| | | | | | | 17.54 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 985.25 | | | |
| | | Bottom of Well | 4/16/2024 | | 27.30 | 985.49 | | | |
| | | | | | | 0.24 | feet sedimentati | on | |
| | | Before Sampling | | 10:55 | 18.60 | 994.19 | | | |
| | | Recovery | | 14:36 | 10.12 | 1002.67 | | | |
| | | Recovery | | | | 1012.79 | | | |
| | | Recovery | | | | 1012.79 | | | |
| | | Recovery | | | | 1012.79 | | | |

Monitoring Well: MW-91 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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) | 1.69 |

Date Time Water Level Water Elevation Notes 4/16/2024 10:05 8.79 969.78

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 | | 1.69 |
| Appendix I | Metals | 150 | 150 | | 1.69 |
| Appendix I | VOC | 240 | 240 | | 1.69 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | - | 400 | 0 | |

| URGE & SAMPLE | : METHOD - Purge | by waterra inertia | ai Litt Pump, then v | veli rest, then samp | ie collection | | | | |
|---------------|------------------|---------------------|----------------------|----------------------|---------------|-----------|------------------|---------------------|-------------|
| TOC | 978.57 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 17.50 | Before purging | 4/16/2024 | 10:05 | 8.79 | 969.78 | 3 | 2.1 | no |
| | • | After purging | | | | 978.57 | | | |
| | | Top of Screen Janu | ary 1990 | | | 971.07 | | | |
| | | | | | | 7.50 | feet above (+) o | r below (-) top scr | een |
| | | Bottom of Well Janu | ary 1990 | | | 961.07 | | | |
| | | Bottom of Well | 4/16/2024 | | 17.00 | 961.57 | | | |
| | | | | | | 0.50 | feet sedimentati | on | |
| | | Before Sampling | | 10:13 | 10.79 | 967.78 | | | |
| | | Recovery | | 14:34 | 8.01 | 970.56 | | | |
| | | Recovery | | | | 978.57 | | | |
| | | Recovery | | | | 978.57 | | | |
| | | Recovery | | | | 978.57 | | | |

Monitoring Well: MW-93 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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 | 18.50 |
| Top sample | 903.41 |
| Bottom sample | 899.41 |
| Turbidity(NTU) | 5.75 |

| Date | Time | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 4/16/2024 | 11:43 | 18.41 | 903.5 | |

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 5.75 |
| Appendix I | Metals | 150 | 150 | | 5.75 |
| Appendix I | VOC | 240 | 240 | | 5.75 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | - | 400 | 0 | _ |

| JRGE & SAMPLE | METHOD - Purge | e by waterra inertia | ai Liπ Pump, then v | ven rest, then sam | ole collection | | | | |
|---------------|----------------|----------------------|---------------------|--------------------|----------------|-----------|------------------|---------------------|-------------|
| TOC | 921.91 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 22.25 | Before purging | 4/16/2024 | 11:43 | 18.41 | 903.50 | 2 | 3.2 | dry |
| | • | After purging | | | | 921.91 | | • | • |
| | | Top of Screen Janu | ary 1990 | | | 909.74 | | | |
| | | | | | | 12.17 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | iary 1990 | | | 899.74 | | | |
| | | Bottom of Well | 4/16/2024 | | 22.20 | 899.71 | | | |
| | | | | | | -0.03 | feet sedimentati | on | |
| | | Before Sampling | | 11:52 | 21.50 | 900.41 | | | |
| | | Recovery | | 14:49 | 18.62 | 903.29 | | | |
| | | Recovery | | | | 921.91 | | | |
| | | Recovery | | | | 921.91 | | | |
| | | Recovery | | | | 921.91 | | | |

Monitoring Well: MW-94 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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) | 6.96 |

| Date | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 4/16/2024 | 8:29 | 15.36 | 1015.63 | |

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|---------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 6.96 |
| Appendix I | Metals | 150 | 150 | | 6.96 |
| Appendix I | VOC | 240 | 240 | | 6.96 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | add VOC, alkalinity | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 1030.99 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|---------|---------------------|-----------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 27.85 | Before purging | 4/16/2024 | 8:29 | 15.36 | 1015.63 | 3 | 1.5 | No |
| | | After purging | | | | 1030.99 | | | |
| | | Top of Screen Janua | ary 1990 | | | 1013.14 | | | |
| | | | | | | 17.85 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 1003.14 | | | |
| | | Bottom of Well | 4/16/2024 | | 27.50 | 1003.49 | | | |
| | | | | | | 0.35 | feet sedimentati | on | |
| | | Before Sampling | | 8:40 | 20.90 | 1010.09 | | | |
| | | Recovery | | 10:35 | 15.75 | 1015.24 | | | |
| | | Recovery | | | | 1030.99 | | | |
| | | Recovery | | | | 1030.99 | | | |
| | | Recovery | | | | 1030.99 | | | |

Monitoring Well: MW-95 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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 | 17.50 |
| Top sample | 956.05 |
| Bottom sample | 952.05 |
| Turbidity(NTU) | 2.27 |

Date Time Water Level Water Elevation Notes 4/16/2024 7:35 7.45 966.1

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 | | 2.27 |
| Appendix I | Metals | 150 | 150 | | 2.27 |
| Appendix I | VOC | 240 | 240 | | 2.27 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 973.55 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|--------|---------------------|-----------|-------|-------|-----------|--------------------|---------------------|-------------|
| Well Depth | 23.39 | Before purging | 4/16/2024 | 7:35 | 7.45 | 966.10 | 3 | 1.2 | No |
| | | After purging | | | | 973.55 | | | |
| | | Top of Screen Janua | ary 1990 | | | 960.16 | | | |
| | | | | | | 13.39 | feet above (+) or | r below (-) top scr | reen |
| | | Bottom of Well Janu | ıary 1990 | | | 950.16 | | | |
| | | Bottom of Well | 4/16/2024 | | 23.40 | 950.15 | | | |
| | | | | | | -0.01 | feet sedimentation | on | |
| | | Before Sampling | | 7:44 | 16.21 | 957.34 | | | |
| | | Recovery | | 10:46 | 10.11 | 963.44 | | | |
| | | Recovery | | | | 973.55 | | | |
| | | Recovery | | | | 973.55 | | | |
| | | Recovery | | | | 973.55 | | | |

Monitoring Well: MW-96R (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

Date

4/16/2024

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) | 14.22 | red |
| | <u> </u> | - |

Water Level Water Elevation

931.22

10.63

Notes

Time

7:55

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 14.22 |
| Appendix I | Metals | 150 | 150 | | 14.22 |
| Appendix I | VOC | 240 | 240 | | 14.22 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 941.85 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|--------|---------------------|-----------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 20.80 | Before purging | 4/16/2024 | 7:55 | 10.63 | 931.22 | 5 | 3.0 | No |
| | | After purging | | | | 941.85 | | | |
| | | Top of Screen Janua | ary 1990 | | | 931.05 | | | |
| | | | | | | 10.80 | feet above (+) o | r below (-) top sci | reen |
| | | Bottom of Well Janu | ary 1990 | | | 921.05 | | | |
| | | Bottom of Well | 4/16/2024 | | 20.80 | 921.05 | | | |
| | | | | | | 0.00 | feet sedimentati | on | |
| | | Before Sampling | | 8:18 | 16.78 | 925.07 | | | |
| | | Recovery | | 14:55 | 9.98 | 931.87 | | | |
| | | Recovery | | | | 941.85 | | | |
| | | Recovery | | | | 941.85 | | | |
| | | Recovery | | | | 941.85 | | | |

Monitoring Well: MW-97 (dg)

GENERAL INFORMATION

| OLIVEIVAL IIVI OKI | iAIIOII |
|----------------------|-------------|
| 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 |

Primary Sampling Method: Secondary Sampling Method:

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

NO PURGE METHOD

| TOC | 1015.38 |
|-------------------|------------|
| Well Depth | 37.10 |
| Top Screen | 988.28 |
| Bottom Screen | 978.28 |
| Bottom Well | 978.28 |
| Sampler Length (f | (t) 4.00 |
| Sampler Volume (m | nL) 440.00 |
| Feet cordage | 31.00 |
| Top sample | 984.38 |
| Bottom sample | 980.38 |
| Turbidity(NTU) | 2.20 |

| Date | Time | Water Level | Water Elevation | Notes | |
|-----------|------|-------------|-----------------|-------|--|
| 4/16/2024 | 8:09 | 11.17 | 1004.21 | | |

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 | | 2.20 |
| 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 | bis2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 1015.38 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|---------|---------------------|-----------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 37.10 | Before purging | 4/16/2024 | 8:09 | 11.17 | 1004.21 | 3 | 0.7 | No |
| | | After purging | | | | 1015.38 | | | |
| | | Top of Screen Janua | ary 1990 | | | 988.28 | | | |
| | | | | | | 27.10 | feet above (+) o | r below (-) top scr | een |
| | | Bottom of Well Janu | ary 1990 | | | 978.28 | | | |
| | | Bottom of Well | 4/16/2024 | | 36.80 | 978.58 | | | |
| | | | | | | 0.30 | feet sedimentati | on | |
| | | Before Sampling | | 8:20 | 24.00 | 991.38 | | | |
| | | Recovery | | 10:33 | 15.78 | 999.60 | | | |
| | | Recovery | | | | 1015.38 | | | |
| | | Recovery | | | | 1015.38 | | | |
| | | Recovery | | | | 1015.38 | | | |

Monitoring Well: MW- 98 (up)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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) | 393.50 |

Date Time Water Level **Water Elevation** Notes 947.68 4/16/2024 9:48 5.56

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 393.50 |
| Appendix I | Metals | 150 | 150 | | 393.50 |
| Appendix I | VOC | 240 | 240 | | 393.50 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis2 | 946 | | | |
| Supplemental | | 370 | 0 | | |
| Total | | | 400 | 0 | |

| IRGE & SAMPLE | WETHOD - Purge | by waterra mertia | i Liπ Pump, then v | ven rest, then sam | pie collection | - | | | |
|---------------|----------------|---------------------|--------------------|--------------------|----------------|-----------|------------------|---------------------|-------------|
| TOC | 953.24 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 21.65 | Before purging | 4/16/2024 | 9:48 | 5.56 | 947.68 | 3 | 1.1 | No |
| | | After purging | | | | 953.24 | | • | • |
| | | Top of Screen Janua | ary 1990 | | | 941.81 | | | |
| | | | | | | 11.43 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 931.59 | | | |
| | | Bottom of Well | 4/16/2024 | | 21.65 | 931.59 | | | |
| | | | | | | 0.00 | feet sedimentati | on | |
| | | Before Sampling | | 9:56 | 12.32 | 940.92 | | | |
| | | Recovery | | 14:30 | 5.51 | 947.73 | | | |
| | | Recovery | | | | 953.24 | | | |
| | | Recovery | | | | 953.24 | | | |
| | | Recovery | | | | 953.24 | | <u> </u> | |

Monitoring Well: MW-99 (up)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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) | 1.60 |

| Date | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 4/16/2024 | 9:34 | 11.8 | 902.18 | |

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 1.60 |
| Appendix I | Metals | 150 | 150 | | 1.60 |
| Appendix I | VOC | 240 | 240 | | 1.60 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis2 | 946 | | | |
| Supplemental | | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 913.98 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|--------|---------------------|-----------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 21.90 | Before purging | 4/16/2024 | 9:34 | 11.8 | 902.18 | 3 | 1.8 | No |
| | | After purging | | | | 913.98 | | | |
| | | Top of Screen Janua | ary 1990 | | | 902.35 | | | |
| | | | | | | 11.63 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 892.08 | | | |
| | | Bottom of Well | 4/16/2024 | | 21.90 | 892.08 | | | |
| | | | | | | 0.00 | feet sedimentati | on | |
| | | Before Sampling | | 9:43 | 12.80 | 901.18 | | | |
| | | Recovery | | 10:53 | 11.84 | 902.14 | | | |
| | | Recovery | | | | 913.98 | | | |
| | | Recovery | | | | 913.98 | | | |
| | | Recovery | | | | 913.98 | | | |

MARSHALL COUNTY SANITARY LANDFILL

PERMIT # 64-SDP-2-75P

4/16/2024 Sampled by: Todd Whipple Weather Conditions: Overcast mist breezy 50 degrees

IDNR Form 542-1324

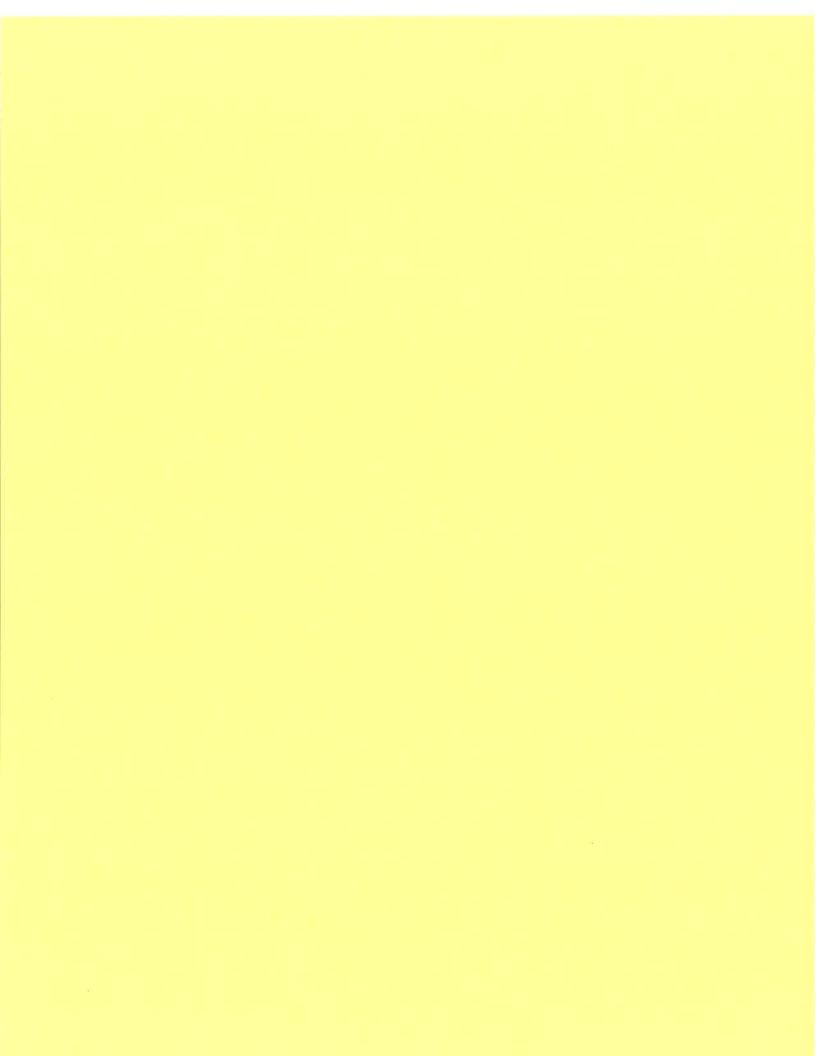
| | Date | lime | Type | Flowing | Quantity | Discolored | Odor | Litter | 1 |
|---------|-----------|------|-------------|---------|---------------|------------|------|--------|---|
| SRAMP B | 4/16/2024 | 8:30 | Tile Outlet | trickle | 250 mL/30 sec | No | No | No | l |

| NTU | рН | Conductivity | Temp.(C) |
|------|----|--------------|----------|
| 2.09 | | | |

IDNR Form 542-1324

| | Date | Time | туре | Flowing | Quantity | Discolored | Odor | Litter | ĺ |
|--------|-----------|------|---------------|---------|----------|------------|------|--------|---|
| PECS B | 4/16/2024 | | Surface Water | No | Dry | No | No | No | l |

| NIU | рн | Conductivity | remp.(C) |
|-----|----|--------------|----------|
| NTH | nH | Conductivity | Temn (C) |



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

10/15/2024 Sampled by: Todd Whipple Weather Conditions: Sunny breezy 40-57 degrees

IDNR Form 542-1322

Monitoring Well: MW-49 (dg)

Primary Sampling Method: Secondary Sampling Method:

No-Purge for Appendix I

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 |
| Purae 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 | 20.00 |
| Top sample | 999.99 |
| Bottom sample | 995.99 |
| Turbidity(NTU) | 8.80 |
| | |

 Date
 Time
 Water Level
 Water Elevation
 Notes

 10/15/2024
 12:38
 16.39
 1003.6

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|---------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 8.80 |
| Appendix I | Metals | 150 | 150 | | 8.80 |
| Appendix I | VOC | 240 | 240 | | 8.80 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | add VOC, alkalinity | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 1019.99 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|---------|---------------------|------------|-------|-------|-----------|--------------------|---------------------|-------------|
| Well Depth | 26.42 | Before purging | 10/15/2024 | 12:38 | 16.39 | 1003.60 | | 0.0 | |
| | | After purging | | | | 1019.99 | | | |
| | | Top of Screen Janu | ary 1990 | | | 1003.57 | | | |
| | | | | | | 16.42 | feet above (+) or | r below (-) top scr | een |
| | | Bottom of Well Janu | ary 1990 | | | 993.57 | | | |
| | | Bottom of Well | 10/15/2024 | | 26.25 | 993.74 | | | |
| | | | | | | 0.17 | feet sedimentation | on | |
| | | Before Sampling | | | | 1019.99 | | | |
| | | Recovery | | | | 1019.99 | | | |
| | | Recovery | | | | 1019.99 | | | |
| | | Recovery | | | | 1019.99 | | | |
| | | Recovery | | | | 1019.99 | | | |

Monitoring Well: MW-54 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

NO PURGE METHOD

| NO I ONCE MEIN | | | |
|---------------------|---------|--|--|
| 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) | 5.99 | | |

| Date | Time | Water Level | Water Elevation | Notes |
|------------|-------|-------------|-----------------|-------|
| 10/15/2024 | 12:20 | 18.01 | 1017.43 | |

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 | | 5.99 |
| Appendix I | Metals | 150 | 150 | | 5.99 |
| Appendix I | VOC | 240 | 240 | | 5.99 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | add VOC, alkalinity | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 1035.44 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|---------|---------------------|------------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 31.95 | Before purging | 10/15/2024 | 12:20 | 18.01 | 1017.43 | | 0.0 | |
| | | After purging | | | | 1035.44 | | | • |
| | | Top of Screen Janua | ary 1990 | | | 1013.49 | | | |
| | | | | | | 21.95 | feet above (+) o | r below (-) top sci | reen |
| | | Bottom of Well Janu | ary 1990 | | | 1003.49 | | | |
| | | Bottom of Well | 10/15/2024 | | 31.80 | 1003.64 | | | |
| | | | | | | 0.15 | feet sedimentati | on | |
| | | Before Sampling | | | | 1035.44 | | | |
| | | Recovery | | | | 1035.44 | | | |
| | | Recovery | | | | 1035.44 | | | |
| | | Recovery | | | | 1035.44 | | | • |
| | | Recovery | | | | 1035.44 | | | |

Monitoring Well: MW-66 (ug)

GENERAL INFORMATION

| OLIVEIVAL IIVI OIVI | ATION |
|----------------------|-------------|
| 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 |

Primary Sampling Method: Secondary Sampling Method:

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

NO PURGE METHOD

| NO I ONCE MEIN | 00 |
|---------------------|---------|
| 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 |
|------------|------|-------------|-----------------|-------|
| 10/15/2024 | | >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 | |

| 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 (+) o | r below (-) top scr | reen |
| | | Bottom of Well May | 1990 | | | 980.53 | | | |
| | | Bottom of Well | 10/25/2022 | | 51.80 | 980.59 | | | |
| | | | | | | 0.06 | feet sedimentati | on | |
| | | Before Sampling | | | | 1032.39 | | | |
| | | Recovery | | | | 1032.39 | | | |
| | | Recovery | | | | 1032.39 | | | |
| | | Recovery | | | | 1032.39 | | | |
| | | Recovery | | | | 1032.39 | | | <u> </u> |

Monitoring Well: MW-81 (dg)

GENERAL INFORMATION

| OLIVE IIII OIVI | OENERAL IN ORMATION | | | | | |
|----------------------|---------------------|--|--|--|--|--|
| 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 | | | | | |

Primary Sampling Method: Secondary Sampling Method:

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

NO PURGE METHOD

| 10 1 01(02 111211102 | | | | |
|----------------------|---------|--|--|--|
| 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) | 2.50 | | | |

| Date | Time | Water Level | Water Elevation | Notes |
|------------|-------|-------------|-----------------|-------|
| 10/15/2024 | 15:48 | 21.11 | 988.16 | |

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|---------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 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 | bis 2 | 946 | | | |
| Supplemental | add VOC, alkalinity | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 1009.27 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|---------|---------------------|------------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 35.00 | Before purging | 10/15/2024 | 15:48 | 21.11 | 988.16 | | 0.0 | |
| | | After purging | | | | 1009.27 | | | |
| | | Top of Screen Janua | ary 1990 | | | 989.27 | | | |
| | | | | | | 20.00 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 974.27 | | | |
| | | Bottom of Well | 10/15/2024 | | 33.90 | 975.37 | | | |
| | | | | | | 1.10 | feet sedimentati | on | |
| | | Before Sampling | | | | 1009.27 | | | |
| | | Recovery | | | | 1009.27 | | | |
| | | Recovery | | | | 1009.27 | | | |
| | | Recovery | | | | 1009.27 | | | |
| | | Recovery | | | | 1009.27 | | | |

Monitoring Well: MW-85 (ug)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

NO PURGE METHOD

| 10 1 01102 m211102 | | | | |
|---------------------|---------|--|--|--|
| 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) | 2.99 | | | |

| Date | Time | Water Level | Water Elevation | Notes |
|------------|-------|-------------|-----------------|-------|
| 10/15/2024 | 11:33 | 35.38 | 1003.89 | |

ANALYTES, CONTAINERS, AND VOLUMES

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 2.99 |
| Appendix I | Metals | 150 | 150 | | 2.99 |
| Appendix I | VOC | 240 | 240 | | 2.99 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 1039.27 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|---------|---------------------|------------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 72.07 | Before purging | 10/15/2024 | 11:33 | 35.38 | 1003.89 | | 0.0 | |
| | | After purging | | | | 1039.27 | | | |
| | | Top of Screen Janua | ary 1990 | | | 982.20 | | | |
| | | | | | | 57.07 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 967.20 | | | |
| | | Bottom of Well | 10/15/2024 | | 71.20 | 968.07 | | | |
| | | | | | | 0.87 | feet sedimentati | on | |
| | | Before Sampling | | | | 1039.27 | | | |
| | | Recovery | | | | 1039.27 | | | |
| | | Recovery | | | | 1039.27 | | | |
| | | Recovery | | | | 1039.27 | | | |
| | | Recovery | | | | 1039.27 | | | |

Monitoring Well: MW-87 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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) | 2.53 |

| Date | Time | Water Level | Water Elevation | Notes |
|------------|-------|-------------|-----------------|-------|
| 10/15/2024 | 15:36 | 7.98 | 956.22 | • |

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 | | 2.53 |
| Appendix I | Metals | 150 | 150 | | 2.53 |
| Appendix I | VOC | 240 | 240 | | 2.53 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 964.2 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|-------|---------------------|------------|-------|-------|-----------|--------------------|---------------------|-------------|
| Well Depth | 21.58 | Before purging | 10/15/2024 | 15:36 | 7.98 | 956.22 | | 0.0 | |
| | | After purging | | | | 964.20 | | | |
| | | Top of Screen Janu | ary 1990 | | | 952.62 | | | |
| | | | | | | 11.58 | feet above (+) or | r below (-) top scr | een |
| | | Bottom of Well Janu | iary 1990 | | | 942.62 | | | |
| | | Bottom of Well | 10/15/2024 | | 21.00 | 943.20 | | | |
| | | | | | | 0.58 | feet sedimentation | on | |
| | | Before Sampling | | | | 964.20 | | | |
| | | Recovery | | | | 964.20 | | | |
| | | Recovery | | | | 964.20 | | | |
| | | Recovery | | | | 964.20 | | | |
| | | Recovery | | | | 964.20 | | | |

Monitoring Well: MW-89 (dg)

GENERAL INFORMATION

| OENERAL IN ONIN THOR | | | | | |
|----------------------|-------------|--|--|--|--|
| 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 | | | | |

Primary Sampling Method: Secondary Sampling Method:

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

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) | 2.66 |

Date Time Water Level Water Elevation Notes 10/15/2024 15:20 8.75 1004.04

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 | | 2.66 |
| Appendix I | Metals | 150 | 150 | | 2.66 |
| Appendix I | VOC | 240 | 240 | | 2.66 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 1012.79 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|---------|---------------------|------------|-------|-------|-----------|--------------------|---------------------|-------------|
| Well Depth | 27.50 | Before purging | 10/15/2024 | 15:20 | 8.75 | 1004.04 | | 0.0 | |
| | | After purging | | | | 1012.79 | | | |
| | | Top of Screen Janu | ary 1990 | | | 995.25 | | | |
| | | | | | | 17.54 | feet above (+) or | r below (-) top scr | een |
| | | Bottom of Well Janu | lary 1990 | | | 985.25 | | | |
| | | Bottom of Well | 10/15/2024 | | 27.30 | 985.49 | | | |
| | | | | | | 0.24 | feet sedimentation | on | |
| | | Before Sampling | | | | 1012.79 | | | |
| | | Recovery | | | | 1012.79 | | | |
| | | Recovery | | | | 1012.79 | | | |
| | | Recovery | | | | 1012.79 | | | |
| | | Recovery | | | | 1012.79 | | | |

Monitoring Well: MW-91 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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) | 3.20 |

| Date | Time | Water Level | Water Elevation | Notes |
|------------|-------|-------------|-----------------|-------|
| 10/15/2024 | 15:09 | 11.50 | 967.07 | |

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 | | 3.20 |
| Appendix I | Metals | 150 | 150 | | 3.20 |
| Appendix I | VOC | 240 | 240 | | 3.20 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | - | 400 | 0 | |

| TOC | 978.57 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|--------|---------------------|------------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 17.50 | Before purging | 10/15/2024 | 15:09 | 11.50 | 967.07 | | 0.0 | |
| | | After purging | | | | 978.57 | | • | |
| | | Top of Screen Janua | ary 1990 | | | 971.07 | | | |
| | | | | | | 7.50 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 961.07 | | | |
| | | Bottom of Well | 10/15/2024 | | 17.00 | 961.57 | | | |
| | | | | | | 0.50 | feet sedimentati | on | |
| | | Before Sampling | | | | 978.57 | | | |
| | | Recovery | | | | 978.57 | | | |
| | | Recovery | | | | 978.57 | | | |
| | | Recovery | | | | 978.57 | | | |
| | | Recovery | | | | 978.57 | | | |

Monitoring Well: MW-93 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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 | 18.50 |
| Top sample | 903.41 |
| Bottom sample | 899.41 |
| Turbidity(NTU) | 3.49 |

| Date | Time | Water Level | Water Elevation | Notes |
|------------|------|-------------|-----------------|-------|
| 10/15/2024 | 9.53 | 18 42 | 903 49 | |

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 | | 3.49 |
| Appendix I | Metals | 150 | 150 | | 3.49 |
| Appendix I | VOC | 240 | 240 | | 3.49 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | | 400 | 0 | |

| RGE & SAMPLE | METHOD - Purge | by waterra inertia | ai Liπ Pump, then v | ven rest, then sam | ole collection | | | | |
|--------------|----------------|---------------------|---------------------|--------------------|----------------|-----------|------------------|---------------------|-------------|
| TOC | 921.91 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 22.25 | Before purging | 10/15/2024 | 9:53 | 18.42 | 903.49 | | 0.0 | |
| | | After purging | | | | 921.91 | | | |
| | | Top of Screen Janua | ary 1990 | | | 909.74 | | | |
| | | | | | | 12.17 | feet above (+) o | r below (-) top sci | reen |
| | | Bottom of Well Janu | ary 1990 | | | 899.74 | | | |
| | | Bottom of Well | 10/15/2024 | | 22.20 | 899.71 | | | |
| | | | | | | -0.03 | feet sedimentati | on | |
| | | Before Sampling | | | | 921.91 | | | |
| | | Recovery | | | | 921.91 | | | |
| | | Recovery | | | | 921.91 | | | |
| | | Recovery | | | | 921.91 | | | |
| | | Recovery | | | | 921.91 | | | |

Monitoring Well: MW-94 (dg)

GENERAL INFORMATION

| SENERAL IN CRIMATION | | | | | |
|----------------------|-------------|--|--|--|--|
| 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 | | | | |

Primary Sampling Method: Secondary Sampling Method:

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

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) | 4.00 |

Date Time Water Level Water Elevation Notes 10/15/2024 12:03 16.10 1014.89

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|---------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 4.00 |
| Appendix I | Metals | 150 | 150 | | 4.00 |
| Appendix I | VOC | 240 | 240 | | 4.00 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | add VOC, alkalinity | 370 | 0 | | |
| Total | | | 400 | 0 | |

| RGE & SAMPLE | EMETHOD - Purge b | iy waterra inertia | ii Lift Pump, then we | en rest, then samp | ne conection | | | | |
|--------------|-------------------|---------------------|-----------------------|--------------------|--------------|-----------|--------------------|-------------------|-------------|
| TOC | 1030.99 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 27.85 | Before purging | 10/15/2024 | 12:03 | 16.10 | 1014.89 | | 0.0 | |
| | | After purging | | | | 1030.99 | | | |
| | | Top of Screen Janua | ary 1990 | | | 1013.14 | | | |
| | | | | | | 17.85 | feet above (+) or | below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 1003.14 | | | |
| | | Bottom of Well | 10/15/2024 | | 27.50 | 1003.49 | | | |
| | | | | | | 0.35 | feet sedimentation | on | |
| | | Before Sampling | | | | 1030.99 | | | |
| | | Recovery | | | | 1030.99 | | | |
| | | Recovery | | | | 1030.99 | | | |
| | | Recovery | | | | 1030.99 | | | |
| | | Recovery | | | | 1030.99 | | | |

Monitoring Well: MW-95 (dg)

GENERAL INFORMATION

| <u> </u> | |
|----------------------|-------------|
| 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 |

Primary Sampling Method: Secondary Sampling Method:

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

NO PURGE METHOD

| NO I DIVOL METH | 00 | | |
|---------------------|--------|--|--|
| 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) | 4.31 | | |

| Date | Time | Water Level | Water Elevation | Notes | |
|------------|-------|-------------|-----------------|-------|--|
| 10/15/2024 | 11.07 | 5 41 | 968 14 | | |

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 4.31 |
| Appendix I | Metals | 150 | 150 | | 4.31 |
| Appendix I | VOC | 240 | 240 | | 4.31 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | | 400 | 0 | |

| TOC | 973.55 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|--------|---------------------|------------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 23.39 | Before purging | 10/15/2024 | 11:07 | 5.41 | 968.14 | | 0.0 | |
| | | After purging | | | | 973.55 | | | |
| | | Top of Screen Janua | ary 1990 | | | 960.16 | | | |
| | | | | | | 13.39 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 950.16 | | | |
| | | Bottom of Well | 10/15/2024 | | 23.40 | 950.15 | | | |
| | | | | | | -0.01 | feet sedimentati | on | |
| | | Before Sampling | | | | 973.55 | | | |
| | | Recovery | | | | 973.55 | | | |
| | | Recovery | | | | 973.55 | | | |
| | | Recovery | | | | 973.55 | | | |
| | | Recovery | | | | 973.55 | | | |

Monitoring Well: MW-96R (dg)

GENERAL INFORMATION

| OLIVE IVI OIVI | ,, , , , , , , , , , , , , , , , , , , |
|----------------------|--|
| 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 |

Primary Sampling Method: Secondary Sampling Method:

red

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

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) | 14.54 |

Time Water Level **Water Elevation** Notes Date 10/15/2024 13:59 13.81 928.04

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 14.54 |
| Appendix I | Metals | 150 | 150 | | 14.54 |
| Appendix I | VOC | 240 | 240 | | 14.54 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis 2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | _ | 400 | 0 | |

| TOC | 941.85 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|--------|---------------------|------------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 20.80 | Before purging | 10/15/2024 | 13:59 | 13.81 | 928.04 | | 0.0 | |
| | | After purging | | | | 941.85 | | | |
| | | Top of Screen Janu | ary 1990 | | | 931.05 | | | |
| | | | | | | 10.80 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | uary 1990 | | | 921.05 | | | |
| | | Bottom of Well | 10/15/2024 | | 20.80 | 921.05 | | | |
| | | | | | | 0.00 | feet sedimentati | on | |
| | | Before Sampling | | | | 941.85 | | | |
| | | Recovery | | | | 941.85 | | | |
| | | Recovery | | | | 941.85 | | | |
| | | Recovery | | | | 941.85 | | | |
| | | Recovery | | | | 941.85 | | | |

Monitoring Well: MW-97 (dg)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

NO PURGE METHOD

| 110 1 OILOL MEIL | <u> </u> | | |
|---------------------|----------|--|--|
| 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) | 1.95 | | |

| Date | Time | Water Level | Water Elevation | Notes |
|------------|-------|-------------|-----------------|-------|
| 10/15/2024 | 11:49 | 14.15 | 1001.23 | |

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 1.95 |
| Appendix I | Metals | 150 | 150 | | 1.95 |
| Appendix I | VOC | 240 | 240 | | 1.95 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis2 | 946 | | | |
| Supplemental | Minerals | 370 | 0 | | |
| Total | | - | 400 | 0 | |

| TOC | 1015.38 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|---------|---------------------|------------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 37.10 | Before purging | 10/15/2024 | 11:49 | 14.15 | 1001.23 | | 0.0 | |
| | | After purging | | | | 1015.38 | | • | • |
| | | Top of Screen Janua | ary 1990 | | | 988.28 | | | |
| | | | | | | 27.10 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 978.28 | | | |
| | | Bottom of Well | 10/15/2024 | | 36.80 | 978.58 | | | |
| | | | | | | 0.30 | feet sedimentati | on | |
| | | Before Sampling | | | | 1015.38 | | | |
| | | Recovery | | | | 1015.38 | | | |
| | | Recovery | | | | 1015.38 | | | |
| | | Recovery | | | | 1015.38 | | • | • |
| | | Recovery | | | | 1015.38 | | | |

Monitoring Well: MW- 98 (up)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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) | 6.06 |

Time Water Level **Water Elevation** Notes Date 946.48 10/15/2024 14:53 6.76

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 6.06 |
| Appendix I | Metals | 150 | 150 | | 6.06 |
| Appendix I | VOC | 240 | 240 | | 6.06 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis2 | 946 | | | |
| Supplemental | | 370 | 0 | | |
| Total | | _ | 400 | 0 | _ |

| TOC | 953.24 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|------------|--------|---------------------|------------|-------|-------|-----------|------------------|---------------------|-------------|
| Well Depth | 21.65 | Before purging | 10/15/2024 | 14:53 | 6.76 | 946.48 | | 0.0 | |
| | | After purging | | | | 953.24 | | | |
| | | Top of Screen Janu | ary 1990 | | | 941.81 | | | |
| | | | | | | 11.43 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | uary 1990 | | | 931.59 | | | |
| | | Bottom of Well | 10/15/2024 | | 21.65 | 931.59 | | | |
| | | | | | | 0.00 | feet sedimentati | on | |
| | | Before Sampling | | | | 953.24 | | | |
| | | Recovery | | | | 953.24 | | | |
| | | Recovery | | | | 953.24 | | | |
| | | Recovery | | | | 953.24 | | | |
| | | Recovery | | | | 953.24 | | | |

Monitoring Well: MW-99 (up)

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 |

Primary Sampling Method: Secondary Sampling Method:

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

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 | 16.00 |
| Top sample | 897.98 |
| Bottom sample | 893.98 |
| Turbidity(NTU) | 3.34 |

| Date | Time | Water Level | Water Elevation | Notes |
|------------|-------|-------------|-----------------|-------|
| 10/15/2024 | 10:10 | 11.74 | 902.24 | |

ANALYTES, CONTAINERS, AND VOLUMES

| | Analyte | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|--------------------|----------------------------|---|---|---|
| All | Field NTU | 10 | 10 | | 3.34 |
| Appendix I | Metals | 150 | 150 | | 3.34 |
| Appendix I | VOC | 240 | 240 | | 3.34 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | bis2 | 946 | | | |
| Supplemental | | 370 | 0 | | |
| Total | | | 400 | 0 | |

| RGE & SAMPLE | : METHOD - Purge | e by waterra inertia | ai Liπ Pump, then w | ren rest, then samp | ole collection | | | | |
|--------------|------------------|----------------------|---------------------|---------------------|----------------|-----------|------------------|---------------------|-------------|
| TOC | 913.98 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 21.90 | Before purging | 10/15/2024 | 10:10 | 11.74 | 902.24 | | 0.0 | |
| | | After purging | | | | 913.98 | | | |
| | | Top of Screen Janu | ary 1990 | | | 902.35 | | | |
| | | | | | | 11.63 | feet above (+) o | r below (-) top scr | reen |
| | | Bottom of Well Janu | ary 1990 | | | 892.08 | | | |
| | | Bottom of Well | 10/15/2024 | | 21.90 | 892.08 | | | |
| | | | | | | 0.00 | feet sedimentati | on | |
| | | 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

10/15/2024 Sampled by: Todd Whipple Weather Conditions: Sunny breezy 40-57 degrees

IDNR Form 542-1324

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter | 1 |
|---------|------------|------|-------------|---------|----------|------------|------|--------|---|
| SRAMP B | 10/15/2024 | | Tile Outlet | No | Dry | No | No | No | ĺ |

| NTU | рН | Conductivity | Temp.(C) |
|-----|----|--------------|----------|
| | | | |

IDNR Form 542-1324

| | Date | Time | Туре | Flowing | Quantity | Discolored | Odor | Litter | ĺ |
|--------|------------|------|---------------|---------|----------|------------|------|--------|---|
| PECS B | 10/15/2024 | | Surface Water | No | Dry | No | No | No | 1 |

| NIU | рН | 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 2024

Prepared for:

Marshall County Sanitary Landfill
2313 Marshalltown Blvd.

Marshalltown, Marshall County, IA 50158

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

May 2024

INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the first semi-annual monitoring event in 2024 at the 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 cis-1.2-Dichloroethene 1.1.2.2-Tetrachloroethane Bromodichloromethane trans-1,2-Dichloroethene Tetrachloroethene Bromoform 1.2-Dichloropropane Carbon disulfide Toluene Carbon tetrachloride cis-1,3-Dichloropropene 1,1,1-Trichloroethane trans-1,3-Dichloropropene 1.1.2-Trichloroethane Chlorobenzene Chloroethane Ethylbenzene Trichloroethene Chloroform 2-Hexanone Trichlorofluoromethane Dibromochloromethane Bromomethane 1,2,3-Trichloropropane 1.2-Dibromo-3-chloropropane Chloromethane Vinvl 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 Silver, Total Barium, Total Copper, Total Cadmium, Total Lead, Total Vanadium, Total Cadmium, Total Nickel, Total Zinc, Total

The ground water data obtained during the first semi-annual monitoring event in 2024 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. 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, 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 2024, the site prediction limit exceedances detected are summarized in the table below.

| Trace Metal Prediction Limit Exceedance | s During the First Semi- | Annual Monitoring Event in 2024 |
|---|--------------------------|---------------------------------|
| | | |

| Well | Trace Metal Detected | Result, μg/L | Prediction Limit, μg/L | Prediction Limit Type | Verified/ Awaiting Verification |
|-------|----------------------|-----------------|---------------------------|--------------------------|------------------------------------|
| | Arsenic | 11.9 | 7.8000 | Nonparametric | Verified |
| MW-93 | Cobalt | 9.8 | 6.0584 | Normal | Verified |
| | Nickel | 25.5 | 8.8000 | Nonparametric | Verified |
| MW-97 | Copper | 7.1 | 5.3000 | 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 3 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 (8.160 μ g/L) exceeds the Iowa Statewide Standard of 2.1 μ g/L. The remainder of the calculated 95% LCLs are below the respective GWPS.

Supplemental Wells

Monitoring wells MW-49, MW-54, MW-81, MW-94, and MW-96R are now 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 nickel at MW-54, nickel at MW-94, and barium at MW96R.

Intrawell statistics

Because MW-93 monitors a leachate storage lagoon, the current data was also compared to background using intrawell statistics. Intrawell statistics are appropriate for facilities where the upgradient wells do not accurately characterize the natural ground water conditions downgradient from the facility. This may be due to different hydrogeological conditions where the wells are screened, having too few upgradient wells to account for the spatial variability, or the site exhibiting no definable hydraulic gradient. Intrawell statistics compare new measurements to the historical data at each ground water monitoring well independently. It is recommended that at least eight background samples be obtained prior to performing the statistics.

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

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

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

Many groundwater monitoring parameters are not detected at a frequency great enough to generate the combined Shewhart-CUSUM control charts. For constituents that are detected less than 25% of the time at a particular well, the data should be plotted as a time series until a sufficient number of data points are available to provide a 99% confidence nonparametric prediction limit. Thirteen independent measurements (with 1 resample) are necessary to achieve a 99% confidence (1% false positive rate) nonparametric prediction limit. Eight independent measurements (for pass 1 of 2 resamples) are necessary to achieve a 99% confidence nonparametric prediction limit. The nonparametric prediction limit is the largest determination out of the data set collected for that well and parameter. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

In developing the statistical background, the historical data must be thoroughly screened for anomalous data due to sampling error, analytical error, or simply by chance alone. An erroneous data point, if not removed prior to the mean and variance computations, would yield a larger control limit thus increasing the false negative rate. The DUMPStat® program screens for outliers using the Dixon test. If the Dixon test indicates an outlier, the value is compared to three times the median value for intrawell analyses. If the

value fails both criteria of the two-stage screening, the value is considered a statistical outlier and will not be used in the mean and variance determinations. 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 were evaluated using the combined Shewhart-CUSUM control chart method. The previous background 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.

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 5% 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 2024 monitoring are summarized below.

VOCs Detected During the First Semi-Annual Monitoring Event in 2024

| Well | VOC Detected | Result, μg/L | Reporting Limit, μg/L | Verified or Awaiting Verification | Ground Water Standard |
|---------------|--------------------------|--------------|--------------------------|--------------------------------------|--------------------------|
| | 1,1-Dichloroethane | 1.1 | 1 | Verified | 140 ^b |
| MW-49 | 1,4-Dichlorobenzene | 3.3 | 1 | Verified | 75ª |
| W -49 | Chloroethane | 4.6 | 1 | Verified | 2800 ^b |
| | cis-1,2-Dichloroethene | 2.4 | 1 | Verified | 70ª |
| MW-54 | 1,4-Dichlorobenzene | 2.3 | 1 | Verified | 75ª |
| | 1,1-Dichloroethane | 28.2 | 1 | Verified | 140 ^b |
| | 1,2-Dichloroethane | 12.3 | 1 | Verified | 5ª |
| | 1,2-Dichloropropane | 6.5 | 1 | Verified | 5ª |
| | 1,4-Dichlorobenzene | 4.7 | 1 | Verified | 75ª |
| MW-81 | Chlorobenzene | 1.7 | 1 | Verified | 100ª |
| MW-81 | Chloroethane | 6.8 | 1 | Verified | 2800 ^b |
| | cis-1,2-Dichloroethene | 164 | 1 | Verified | 70ª |
| | trans-1,2-Dichloroethene | 2.2 | 1 | Verified | 100ª |
| | Trichloroethene | 1.4 | 1 | Verified | 5ª |
| | Vinyl chloride | 6.8 | 1 | Verified | 2ª |
| | 1,1-Dichloroethane | 1.3 | 1 | Verified | 140 ^b |
| | 1,2-Dichloropropane | 1.1 | 1 | Verified | 5 ^a |
| N 6717 . O. 4 | Benzene | 2.0 | 1 | Verified | 75ª |
| MW-94 | Chloroethane | 4.3 | 1 | Verified | 2800 ^b |
| | cis-1,2-Dichloroethene | 5.2 | 1 | Verified | 70ª |
| | Vinyl chloride | 2.2 | 1 | Verified | 2ª |

a - USEPA MCL

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).

b – Iowa Statewide Standard

The 95% LCL for 1,2-dichloropropane at MW-81 (7.623 μ g/L) exceeds the USEPA MCL of 5 μ g/L. The 95% LCL for *cis*-1,2-dichloroethene at MW-81 (135.323 μ g/L) exceeds the USEPA MCL of 70 μ g/L. The 95% LCL for vinyl chloride at MW-81 (6.454 μ g/L) exceeds the USEPA MCL of 2 μ g/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 2024

Table 1

Analytical Data Summary for 4/16/2024 to 4/18/2024

| 1.1.1-inchroenbane ugil. ct ct ct ct ct ct ct c | Constituents | Units | MW-49 | MW-54 | MW-81 | MW-85 | MW-87 | MW-89 | MW-91 | MW-93 | MW-94 | MW-95 | MW-96R |
|--|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1,1,2,2,ethandenoethane yg, | 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1.1.2.2.etharboroethane upl. | 1,1,1-trichloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichioroenhane | 1,1,2,2-tetrachloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1.1-dichloroethylene | 1,1-dichloroethane | ug/L | 1.1 | <1.0 | 28.2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.3 | <1.0 | <1.0 |
| 1,2-distromosphane ug/L < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 | 1,1-dichloroethylene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dishorosenane ug/L <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-dichiprorbenzene | 1,2-dibromo-3-chloropropane | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dichlorobenzene | 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | 1,2-dichlorobenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1.4-dichlorobenzene | 1,2-dichloroethane | ug/L | <1.0 | <1.0 | 12.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-butanone (mek) | 1,2-dichloropropane | ug/L | <1.0 | <1.0 | 6.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 |
| 2-hexanone (mbk) ug/L <5 <5 <5 <5 <5 <5 <5 < | 1,4-dichlorobenzene | ug/L | 3.3 | 2.3 | 4.7 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| A-methyl-2-penhanone (mibk) ug/L <5 <5 <5 <5 <5 <5 <5 < | 2-butanone (mek) | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acertonne ug/L c10 c10 | 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Activative Act | 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aklainity, as caco3 | Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Aklainity, as caco3 | Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total Ug/L C2 C2 C2 C2 C2 C2 C2 C | Alkalinity, as caco3 | | 652 | 512 | 886 | | | | | | 698 | | |
| Assenic, fotal Ug/L 53.7 4.8 6.8 64.0 | | | | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| Barrium, total ug/L 429,0 449,0 1940,0 1144,0 117.0 240,0 1880,0 243,0 308,0 42.77 124.0 Berryllium, total ug/L c4 c4 c4 c4 c4 c4 c4 c | | | | | | | | <4.0 | <4.0 | | | | <4.0 |
| Benzene | | | | | | | 117.0 | 240.0 | | | | | 124.0 |
| Beryllium, total ug/L c4 c4 c4 c4 c4 c4 c4 c | | | | | | | | | | | | | <1 |
| Bromochloromethane ug/L <1 <1 <1 <1 <1 <1 <1 < | Beryllium, total | | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Bromodichloromethane ug/L <1 <1 <1 <1 <1 <1 <1 < | Bromochloromethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoferm ug/L <1 <1 <1 <1 <1 <1 <1 < | Bromodichloromethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromorehane | Bromoform | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cachon disulfide ug/L 9 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 | Bromomethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon disulfide | Cadmium, total | | .9 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon tetrachloride | Carbon disulfide | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | Carbon tetrachloride | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | Chlorobenzene | | <1.0 | <1.0 | 1.7 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroferm | Chloroethane | | 4.6 | <1.0 | 6.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 4.3 | <1.0 | <1.0 |
| Chloromethane | Chloroform | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total Ug/L C8 C8 C8 C8 C8 C8 C8 C | Chloromethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,2-dichloroethylene ug/L 24 <1.0 164.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1 | Chromium, total | | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Cis-1,3-dichloropropene | Cis-1,2-dichloroethylene | | 2.4 | <1.0 | 164.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 5.2 | <1.0 | <1.0 |
| Copper, total | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Copper, total Ug/L 7.5 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 | | | 5.8 | 10.6 | 10.5 | .4 | <.4 | <.4 | <.4 | 9.8 | 10.2 | <.4 | 1.8 |
| Dibromochloromethane ug/L <1 <1 <1 <1 <1 <1 <1 < | | | 7.5 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromomethane Ug/L <1 <1 <1 <1 <1 <1 <1 < | Dibromochloromethane | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | Dibromomethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl iodide | Ethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl iodide | Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Methylene chloride | Methyl iodide | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| PH | Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| PH Selenium, total Ug/L C4.0 | | 16.2 | 22.4 | 13.4 | <4.0 | <4.0 | <4.0 | <4.0 | 25.5 | 9.2 | <4.0 | 5.3 |
| Silver, total Ug/L C4 C4 C4 C4 C4 C4 C4 C | pH . | рЙ | 6.5 | 6.7 | 6.6 | | | | | | 6.6 | | |
| Silver, total Ug/L V4 V4 V4 V4 V4 V4 V4 V | Selenium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 7.4 |
| Styrene | Silver, total | | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Thallium, total ug/L v2 v2 v2 v2 v2 v2 v2 v | Styrene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total ug/L v2 v2 v2 v2 v2 v2 v2 v | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Trans-1,2-dichloroethylene 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 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 11 | | <1 | <1 | | | | <1 | <1 | | <1 | | <1 |
| Trans-1,3-dichloropropene ug/L <1 <1 <1 <1 <1 <1 <1 < | | | <1.0 | <1.0 | 2.2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trans-1,4-dichloro-2-butene ug/L <5 <5 <5 <5 <5 <5 <5 < | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethylene | | | | <5 | | | | | | <5 | <5 | | <5 |
| Trichlorofluoromethane | | ug/L | | | | | | | | | | | <1.0 |
| Vanadium, total ug/L <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 | | | 1 | | | | | | | | | | <1 |
| Vinyl acetate ug/L <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 | | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl chloride ug/L <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1 | | | | | | | | | | | | | <5 |
| Xylenes, total | | | | | - | | | | | | | | <1.0 |
| | | | | | | | | | | | | | <2 |
| Zinc, total ug/L 22.7 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 21.4 <20.0 <20.0 <20.0 | Zinc, total | ug/L | 22.7 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | | 21.4 | <20.0 | | <20.0 |

 $^{^{\}star}$ - The displayed value is the arithmetic mean of multiple database matches.

Table 1

Analytical Data Summary for 4/16/2024 to 4/18/2024

| 0 | MAY 07 | MANA/ 00 | NAVA 00 | CD AMD D |
|---|------------|-------------|-------------|-------------|
| Constituents | MW-97 | MW-98 | MW-99 | SRAMP B |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 <1 | <1 |
| 1,1,1-trichloroethane 1,1,2,2-tetrachloroethane | <1 <1 | <1 <1 | <1 | <1 <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-dichloropropane | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,4-dichlorobenzene 2-butanone (mek) | <1.0 | <1.0 <10 | <1.0 <10 | <1.0 |
| 2-hexanone (mbk) | <10 <5 | <10 <5 | <5 | <10 <5 |
| 4-methyl-2-pentanone (mibk) | <5 <5 | <5 | <5 | <5 |
| Acetone | <10 | <10 | <10 | <10 |
| Acrylonitrile | <5 | <5 | <5 | <5 |
| Alkalinity, as caco3 | | | | |
| Antimony, total | <2 | <2 | <2 | <2 |
| Arsenic, total | <4.0 | 48.0 | <4.0 | <4.0 |
| Barium, total | 315.0 | 325.0 | 164.0 | 16.1 |
| Benzene | <1 | <1 | <1 | <1 |
| Beryllium, total | <4 | <4 | <4 | <4 |
| Bromochloromethane Bromodichloromethane | <1 <1 | <1 <1 | <1 <1 | <1 <1 |
| Bromoform | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroethane | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | <1 | <1 | <1 | <1 |
| Chromethane | <1 | <1 | <1 | <1 |
| Chromium, total Cis-1,2-dichloroethylene | <8 <1.0 | <8 <1.0 | <8 <1.0 | <8 <1.0 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1.0 |
| Cobalt, total | <.4 | 4.7 | 4.1 | <.4 |
| Copper, total | 7.1 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 |
| Methyl iodide | <1 | <1 | <1 | <1 |
| Methylene chloride Nickel, total | <5 <4.0 | <5 <4.0 | <5 6.3 | <5 <4.0 |
| pH | \4.0 | \4.0 | 0.5 | ٧4.0 |
| Selenium, total | <4.0 | <4.0 | <4.0 | <4.0 |
| Silver, total | <4 | <4 | <4 | <4 |
| Styrene | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 |
| Thallium, total | <2 | <2 | <2 | <2 |
| Toluene | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1.0 | <1.0 | <1.0 | <1.0 |
| Trans-1,3-dichloropropene Trans-1,4-dichloro-2-butene | <1 <5 | <1 <5 | <1 <5 | <1 <5 |
| Trichloroethylene | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | <1.0 | <1.0 | <1.0 | <1.0 |
| Vanadium, total | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1.0 | <1.0 | <1.0 | <1.0 |
| Xylenes, total | <2 | <2 | <2 | <2 <20.0 |
| Zinc, total | <20.0 | <20.0 | <20.0 | |

 $^{^{\}star}$ - 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 MW-66 | 04/03/2015 | ND ND | 4.0000 | | |
| Arsenic, total Arsenic, total | ug/L ug/L | MW-66 | 07/06/2015 10/01/2015 | ND | 4.0000 4.0000 | | |
| Arsenic, total | ug/L ug/L | MW-66 | 04/14/2016 | ND | 4.0000 | | |
| Arsenic, total | ug/L ug/L | MW-66 | 10/13/2016 | ND | 4.0000 | | |
| Arsenic, total | ug/L ug/L | MW-66 | 04/10/2017 | ND | 4.0000 | | |
| Barium, total | ug/L | MW-66 | 10/16/2014 | IND | 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 ND | 8.0000 | | |
| Chromium, total | ug/L | MW-66 | 10/13/2016 | | 8.0000 | | |
| Cobalt total | ug/L | MW-66 MW-66 | 04/10/2017 | ND ND | 0.0000 | | |
| Cobalt, total | ug/L ug/L | MW-66 | 10/16/2014 01/14/2015 | ND ND | 0.8000 0.8000 | | |
| Cobalt, total | ug/L ug/L | MW-66 | 04/03/2015 | ND | 0.8000 | | |
| Cobalt, total | ug/L ug/L | MW-66 | 07/06/2015 | ND | 0.8000 | | |
| Cobalt, total | ug/L 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 4.0000 | | |
| Selenium, total | ug/L | MW-66 | 04/14/2016 | ND | | | |
| Selenium, total | ug/L | MW-66 | 10/13/2016 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-66 MW-66 | 04/10/2017 10/16/2014 | ND ND | 4.0000 | | |
| Silver, total | ug/L | MW-66 | | 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 | 1 1 | 4.0000 | | |
| Silver, total | ug/L | MW-66 | 10/01/2015 | ND ND | 4.0000 | | |
| Silver, total | ug/L | 1 | 04/14/2016 | 1 1 | 4.0000 | | |
| Silver, total | ug/L | MW-66 MW-66 | 10/13/2016 | ND | 4.0000 | | |
| Silver, total Thallium, total | ug/L ug/L | MW-66 | 04/10/2017 10/16/2014 | ND ND | 4.0000 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 01/14/2015 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 04/03/2015 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | | MW-66 | 07/06/2015 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 10/01/2015 | ND | 1.0000 | 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 04/14/2016 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 10/13/2016 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 04/10/2017 | ND | 4.0000 | 2.0000 | ** |
| Vanadium, total | ug/L | MW-66 | 10/16/2014 | ND | 20.0000 | 2.0000 | |
| Vanadium, total | ug/L ug/L | MW-66 | 01/14/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-66 | 04/03/2015 | ND | 20.0000 | | |
| | | MW-66 | 07/06/2015 | ND | I | | |
| Vanadium, total | ug/L | MW-66 | 10/01/2015 | ND | 20.0000 20.0000 | | |
| Vanadium, total | ug/L | MW-66 | | ND | 20.0000 | | |
| Vanadium, total Vanadium, total | ug/L | MW-66 | 04/14/2016 10/13/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L 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 ug/L | MW-66 | 01/14/2015 | ND | 8.0000 | 20.0000 | ** |
| Zinc, total | ug/L | MW-66 | 04/03/2015 | IND | 54.6000 | 20.0000 | |
| 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 | 20.0000 | |
| 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 | | |
| 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 | | |
| , | | | | | | | 1 |
| Arsenic, total | ug/L | MW-85 | 10/01/2015 | 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 | 10/13/2016 | 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 | | |
| 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 Barium, total | ug/L | MW-85 MW-85 | 10/13/2016 | | 149.0000 | | |
| l – | ug/L ug/L | MW-85 | 04/10/2017 10/09/2017 | | 175.0000 143.0000 | | |
| Barium, total | ug/L ug/L | MW-85 | 04/17/2018 | | 143.0000 | | |
| Barium, total Barium, total | ug/L ug/L | MW-85 | 10/22/2018 | | 146.0000 | | |
| Barium, total | ug/L 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 | | |
| 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 04/11/2023 | ND ND | 4.0000 | | |
| Beryllium, total Beryllium, total | ug/L | MW-85 MW-85 | 10/13/2023 | ND ND | 4.0000 | | |
| Beryllium, total | ug/L ug/L | MW-85 | 04/17/2024 | ND | 4.0000 4.0000 | | |
| Cadmium, total | ug/L ug/L | MW-85 | 10/16/2014 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-85 | 01/14/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-85 | 04/03/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-85 | 07/06/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-85 | 10/01/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-85 | 04/14/2016 | ND | 0.8000 | | |
| | ug/L ug/L | MW-85 | 10/13/2016 | ND | 0.8000 | | |
| (Cadmillim total | 1 44/L | | 04/10/2017 | ND | 0.8000 | | |
| Cadmium, total | | | | 1 .40 | | | 1 |
| Cadmium, total | ug/L | MW-85 MW-85 | | ND | U 8000 I | | |
| Cadmium, total Cadmium, total | ug/L ug/L | MW-85 | 10/09/2017 | ND | 0.8000 | | |
| Cadmium, total Cadmium, total Cadmium, total | ug/L ug/L ug/L | MW-85 MW-85 | 10/09/2017 04/17/2018 | ND | 0.8000 | | |
| Cadmium, total Cadmium, total Cadmium, total Cadmium, total | ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 | 10/09/2017 04/17/2018 10/22/2018 | ND ND | 0.8000 0.8000 | | |
| Cadmium, total Cadmium, total Cadmium, total Cadmium, total Cadmium, total | ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 | 10/09/2017 04/17/2018 10/22/2018 04/22/2019 | ND ND ND | 0.8000 0.8000 0.8000 | | |
| Cadmium, total Cadmium, total Cadmium, total Cadmium, total | ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 | 10/09/2017 04/17/2018 10/22/2018 | ND ND | 0.8000 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 | 10/19/2020 | 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 MW-85 | 10/13/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-85 | 04/17/2024 | ND ND | 0.8000 | | |
| Chromium, total | ug/L ug/L | MW-85 | 10/16/2014 01/14/2015 | ND | 8.0000 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 MW-85 | 04/10/2020 | ND ND | 8.0000 | | |
| Chromium, total | ug/L ug/L | MW-85 | 10/19/2020 04/05/2021 | ND | 8.0000 8.0000 | | |
| Chromium, total | ug/L ug/L | MW-85 | 10/08/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L 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 | | |
| 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 ND | 0.8000 | | |
| Cobalt, total | ug/L ug/L | MW-85 MW-85 | 04/10/2017 10/09/2017 | ND | 0.8000 0.8000 | | |
| Cobalt, total | ug/L 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 MW-85 | 10/13/2023 | ND | 0.4000 | 0.8000 | |
| Cobalt, total Copper, total | ug/L ug/L | MW-85 | 04/17/2024 10/16/2014 | ND | 0.4000 4.0000 | | \vdash |
| Copper, total | ug/L 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 | ND | 4.8000 | | |
| Copper, total | ug/L | MW-85 MW-85 | 04/22/2019 10/23/2019 | ND | 4.0000 4.0000 | | |
| Copper, total | ug/L ug/L | MW-85 | 04/10/2020 | ND | 4.0000 | | |
| Copper, total | ug/L ug/L | MW-85 | 10/19/2020 | ND | 4.0000 | | |
| Copper, total | ug/L 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 | | |
| | | | · | | | · | |

^{* -} Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1 **Upgradient Data**

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|------------------------------|-------------------------|--|----------------|----------------------------|----------|---|
| Lead, total | ug/L | MW-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 | | |
| l | ug/L ug/L | MW-85 | 10/13/2016 | ND | 4.0000 | | |
| Lead, total | | 1 | | | | | |
| 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 | U | MW-85 | 04/11/2023 | ND | 4.0000 | | |
| l | ug/L | 1 | | | | | |
| Lead, total | ug/L | MW-85 | 10/13/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-85 | 04/17/2024 | ND | 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 | | MW-85 | 10/22/2018 | IND | | | * |
| l | ug/L | | | ND | 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 | | |
| Selenium, total | ug/L | MW-85 | 10/16/2014 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-85 | 01/14/2015 | ND | 4.0000 | | |
| l = | | 1 | | ND | | | |
| Selenium, total | ug/L | MW-85 | 04/03/2015 | | 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 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 | | |
| Silver, total | ug/L | MW-85 | 10/16/2014 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-85 | 01/14/2015 | ND | 4.0000 | | |
| | | | 04/03/2015 | ND | 4.0000 | | |
| Silver total | | MW-85 | | | | | |
| Silver, total | ug/L | MW-85 | | | | | |
| Silver, total | ug/L ug/L | MW-85 | 07/06/2015 | ND | 4.0000 | | |
| Silver, total Silver, total | ug/L ug/L ug/L | MW-85 MW-85 | 07/06/2015 10/01/2015 | ND ND | 4.0000 4.0000 | | |
| Silver, total Silver, total Silver, total | ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 | 07/06/2015 10/01/2015 04/14/2016 | ND ND ND | 4.0000 4.0000 4.0000 | | |
| Silver, total Silver, total | ug/L ug/L ug/L | MW-85 MW-85 | 07/06/2015 10/01/2015 | ND ND | 4.0000 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 | |
|--|--------------------------------------|---|--|----------------|---|-------------|----|
| 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 | | |
| 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 | | ** |
| 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 | | ** |
| Thallium, total | ug/L | MW-85 | 10/13/2016 | ND | 4.0000 | | ** |
| Thallium, total | ug/L | MW-85 | 04/10/2017 | ND | 4.0000 | | ** |
| Thallium, total | ug/L | MW-85 | 10/09/2017 | ND | 4.0000 | | ** |
| Thallium, total | ug/L ug/L | MW-85 | 04/17/2018 | ND | 4.0000 | | ** |
| Thallium, total | ug/L ug/L | MW-85 | 10/22/2018 | ND | 4.0000 | 2.0000 * | ** |
| Thallium, total | ug/L ug/L | MW-85 | 04/22/2019 | ND | 2.0000 | 2.0000 | |
| Thallium, total | ug/L ug/L | MW-85 | 10/23/2019 | ND | 2.0000 | | |
| Thallium, total | ug/L ug/L | MW-85 | 04/10/2020 | ND | 2.0000 | | |
| Thallium, total | ug/L 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 | | |
| 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 | | |
| 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 | | ** |
| Zinc, total | ug/L | MW-85 | 10/13/2016 | ND | 8.0000 | | ** |
| | ug/L ug/L | MW-85 | 04/10/2017 | ND | 8.0000 | | ** |
| Zinc total | US/L | MW-85 | 10/09/2017 | ND | 8.0000 | | ** |
| Zinc, total | ug/I | | | | 8.0000 | 20.0000 | ** |
| Zinc, total | ug/L | | 04/17/2010 | | | ZU UUUU " | |
| Zinc, total Zinc, total | ug/L | MW-85 | 04/17/2018 | ND | | * | k |
| Zinc, total Zinc, total Zinc, total | ug/L ug/L | MW-85 MW-85 | 10/22/2018 | | 125.0000 | * | * |
| Zinc, total Zinc, total Zinc, total Zinc, total | ug/L ug/L ug/L | MW-85 MW-85 MW-85 | 10/22/2018 04/22/2019 | ND | 125.0000 20.0000 | * | * |
| Zinc, total Zinc, total Zinc, total Zinc, total Zinc, total Zinc, total | ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 | 10/22/2018 04/22/2019 10/23/2019 | ND ND | 125.0000 20.0000 20.0000 | * | * |
| Zinc, total | ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 | 10/22/2018 04/22/2019 10/23/2019 04/10/2020 | ND ND ND | 125.0000 20.0000 20.0000 20.0000 | * | * |
| Zinc, total Zinc, total Zinc, total Zinc, total Zinc, total Zinc, total | ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 | 10/22/2018 04/22/2019 10/23/2019 | ND ND | 125.0000 20.0000 20.0000 | * | * |

^{* -} Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1 **Upgradient Data**

| Constituent | Units | Well | Date | | Result | Adjusted | |
|--------------------------------------|--------------|----------------|--------------------------|----------|----------------------|----------|---|
| Zinc, total | ug/L | MW-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 | | |
| 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 | | |
| Arsenic, total | ug/L | MW-98 | 10/13/2016 | | 7.4000 | | |
| Arsenic, total | ug/L 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 ug/L | MW-98 | 04/17/2018 | . 10 | 7.8000 | | |
| Arsenic, total | ug/L ug/L | MW-98 | 10/22/2018 | ND | 4.0000 | | |
| Arsenic, total | ug/L ug/L | MW-98 | 04/22/2019 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-98 | 10/23/2019 | 140 | 4.8000 | | |
| Arsenic, total | ug/L ug/L | MW-98 | 04/10/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L ug/L | MW-98 | 10/19/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L ug/L | MW-98 | 04/05/2021 | ND | 4.0000 | | |
| | | MW-98 | 10/08/2021 | ND | | | |
| Arsenic, total | ug/L | | | 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 171.0000 | | |
| Barium, total | ug/L | MW-98 MW-98 | 10/13/2016 | | 241.0000 | | |
| Barium, total | ug/L ug/L | MW-98 | 04/10/2017 10/09/2017 | | 129.0000 | | |
| Barium, total | ug/L ug/L | MW-98 | 04/17/2018 | | 193.0000 | | |
| Barium, total | ug/L ug/L | MW-98 | 10/22/2018 | | 102.0000 | | |
| Barium, total Barium, total | ug/L ug/L | MW-98 | 04/22/2019 | | 133.0000 | | |
| Barium, total | ug/L ug/L | MW-98 | 10/23/2019 | | 94.4000 | | |
| | ug/L ug/L | MW-98 | 04/10/2020 | | 157.0000 | | |
| Barium, total | | MW-98 | 10/19/2020 | | 147.0000 | | |
| Barium, total | ug/L | 1 | | | | | |
| Barium, total | ug/L | MW-98 MW-98 | 04/05/2021 | | 125.0000 | | |
| Barium, total | ug/L | 1 | 10/08/2021 | | 149.0000 117.0000 | | |
| Barium, total | ug/L | MW-98 MW-98 | 04/06/2022 | | | | |
| Barium, total | ug/L | | 10/25/2022 | | 183.0000 136.0000 | | |
| Barium, total | ug/L | MW-98 | 04/11/2023 | | | | |
| Barium, total Barium, total | ug/L | MW-98 MW-98 | 10/13/2023 04/17/2024 | | 217.0000 325.0000 | | |
| , | ug/L | MW-98 | 10/13/2016 | ND | 4.0000 | | |
| Beryllium, total Beryllium, total | ug/L ug/L | MW-98 | 04/10/2017 | ND | | | |
| Beryllium, total | | MW-98 | 10/09/2017 | ND | 4.0000 4.0000 | | |
| Beryllium, total | ug/L ug/L | MW-98 | 04/17/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L ug/L | MW-98 | 10/22/2018 | ND | 4.0000 | | |
| Beryllium, total | | MW-98 | 04/22/2019 | ND | | | |
| Beryllium, total | ug/L | | | | 4.0000 | | |
| Beryllium, total | ug/L | MW-98 MW-98 | 10/23/2019 | ND ND | 4.0000 4.0000 | | |
| | ug/L | | 04/10/2020 | ND | | | |
| Beryllium, total Beryllium, total | ug/L | MW-98 | 10/19/2020 | | 4.0000 | | |
| Beryllium, total | ug/L | MW-98 | 04/05/2021 | ND | 4.0000 | | |
| | 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 | | - |
| Cadmium, total | ug/L | MW-98 | 10/13/2016 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-98 | 04/10/2017 | ND | 0.8000 | | |
| | ug/L | MW-98 | 10/09/2017 | ND | 0.8000 | | 1 |
| Cadmium, total Cadmium, total | ug/L | MW-98 | 04/17/2018 | 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**

| Cadmium, total ug/L MW-98 10/22/2018 ND 0.8000 Ug/L WW-98 10/23/2019 ND 0.8000 Ug/L WW-98 10/23/2019 ND 0.8000 Ug/L WW-98 10/13/2020 ND 0.8000 Ug/L WW-98 10/03/2021 ND 0.8000 Ug/L WW-98 10/03/2021 ND 0.8000 Ug/L WW-98 10/03/2021 ND 0.8000 Ug/L WW-98 10/03/2022 ND 0.8000 Ug/L WW-98 10/13/2022 ND 0.8000 Ug/L WW-98 10/13/2023 ND 0.8000 Ug/L WW-98 10/13/2023 ND 0.8000 Ug/L WW-98 10/13/2023 ND 0.8000 Ug/L WW-98 10/13/2016 ND 8.0000 Ug/L WW-98 10/13/2019 ND 8.0000 Ug/L WW-98 10/13/2020 ND 8.0000 Ug/L WW-9 | Constituent | Units | Well | Date | | Result | Adjusted | |
|--|-----------------|-------|----------|------------|------|--------|----------|----------------|
| Cadmium, total ug/L WW-98 10/23/2019 ND 0.8000 | Cadmium, total | ug/L | MW-98 | 10/22/2018 | ND | 0.8000 | | |
| Cadmium, total ug/L WW-98 04/10/2020 ND 0.8000 Cadmium, total ug/L WW-98 04/05/2021 ND 0.8000 Ug/L WW-98 04/05/2021 ND 0.8000 Ug/L WW-98 04/05/2022 ND 0.8000 Ug/L WW-98 04/05/2022 ND 0.8000 Ug/L WW-98 04/05/2022 ND 0.8000 Ug/L WW-98 04/11/2023 ND 0.8000 Ug/L WW-98 04/11/2024 ND 0.8000 Ug/L WW-98 04/11/2021 ND 0.8000 Ug/L WW-98 04/12/2019 ND 0.8000 Ug/L WW-98 04/12/2019 ND 0.8000 Ug/L WW-98 04/12/2021 ND 0.8 | Cadmium, total | ug/L | | | | 0.8000 | | |
| Cadmium, total ug/L MW-98 10/19/2020 ND 0.8000 | 11 ' | | 1 | | | | | |
| Cadmium, total ug/L MW-98 M-05/2021 ND 0.8000 Cadmium, total ug/L MW-98 M-06/2022 ND 0.8000 Cadmium, total ug/L MW-98 M-06/2022 ND 0.8000 Cadmium, total ug/L MW-98 M-07/2023 ND 0.8000 Cadmium, total ug/L MW-98 M-07/2024 ND 0.8000 Chromium, total ug/L MW-98 M-07/2024 ND 0.8000 Chromium, total ug/L MW-98 M-07/2027 ND 8.0000 Chromium, total ug/L MW-98 M-07/2020 ND 8.0000 M-07/2020 ND | | | 1 | | | | | |
| Cadmium, total ug/L MV-98 10/08/2021 ND 0.8000 Cadmium, total ug/L MV-98 10/25/2022 ND 0.8000 Cadmium, total ug/L MV-98 10/25/2023 ND 0.8000 Cadmium, total ug/L MV-98 10/13/2023 ND 0.8000 MV-98 | | | 1 | | | | | |
| Cadmium, total ug/L MV-98 M-08/E0202 ND 0.8000 Cadmium, total ug/L MV-98 MV-17/E024 ND 0.8000 Cadmium, total ug/L MV-98 MV-17/E024 ND 0.8000 Cadmium, total ug/L MV-98 MV-17/E024 ND 0.8000 MV-17/E | | 0 | | | | | | |
| Cadmium, total ug/L MW-98 M/25/2022 ND 0.8000 Cadmium, total ug/L MW-98 M/11/2023 ND 0.8000 Cadmium, total ug/L MW-98 M/12/2023 ND 0.8000 M/25/2021 ND 0.0000 M/25/2021 ND 0.0000 M/25/2021 ND 0.0000 M/25/2021 ND 0.0000 M/25/2 | | | 1 | | | | | |
| Cadmium, total ug/L MW-98 04/11/2023 ND 0.8000 Cadmium, total ug/L MW-98 04/17/2024 ND 0.8000 Cadmium, total ug/L MW-98 04/17/2024 ND 0.8000 MW-98 O4/17/2024 ND 0.8000 MW-98 O4/17/2024 ND 0.8000 MW-98 O4/17/2024 ND 0.8000 MW-98 O4/17/2024 ND 0.8000 MW-98 O4/17/2018 ND 8.0000 MW-98 O4/17/2019 ND 8.0000 MW-98 O4/17/20219 ND 8.0000 MW-98 O4/17/2020 ND 8.0000 MW-98 O4/17/2020 ND 8.0000 MW-98 O4/17/2020 ND 8.0000 MW-98 O4/05/2021 ND 8.0000 MW-98 O4/17/2023 ND 8.0000 MW-98 O4/17/2024 ND 9.0000 MW-98 O4/17/202 | | | | | | | | |
| Cadmium, total ug/L MW-98 04/17/2024 ND 0.8000 | | | | | | | | |
| Cadmium, total ug/L MW-98 04/17/2024 ND 0.8000 | | | | | | | | |
| Chromium, total ug/L MW-98 0.113/2016 ND 8.0000 Chromium, total ug/L MW-98 0.110/2017 ND 8.0000 MW-98 0.1009/2017 ND 8.0000 MW-98 0.1009/2019 ND 8.0000 MW-98 0.1009/2012 ND 8.0000 MW-98 0.1009/2013 ND 8.0000 MW-98 0.1009/2013 ND 8.0000 MW-98 0.1009/2013 ND 8.0000 MW-98 0.1009/2013 ND 8.0000 MW-98 0.1009/2017 | II = | | | | | | | |
| Chromium, total ug/L WW-98 04/10/2017 ND 8,0000 Chromium, total ug/L WW-98 04/17/2018 ND 8,0000 Chromium, total ug/L WW-98 04/17/2018 ND 8,0000 Chromium, total ug/L WW-98 04/22/2019 ND 8,0000 Chromium, total ug/L WW-98 04/22/2019 ND 8,0000 Chromium, total ug/L WW-98 04/22/2019 ND 8,0000 Chromium, total ug/L WW-98 04/10/2020 ND 8,0000 Chromium, total ug/L WW-98 04/10/2020 ND 8,0000 Chromium, total ug/L WW-98 04/10/2020 ND 8,0000 Chromium, total ug/L WW-98 04/05/2021 ND 8,0000 Chromium, total ug/L WW-98 04/05/2021 ND 8,0000 Chromium, total ug/L WW-98 04/05/2022 ND 8,0000 Chromium, total ug/L WW-98 04/11/2023 ND 8,0000 Chromium, total ug/L WW-98 04/11/2023 ND 8,0000 Chromium, total ug/L WW-98 04/11/2023 ND 8,0000 Chromium, total ug/L WW-98 04/11/2024 ND 8,0000 Chromium, total ug/L WW-98 04/11/2024 ND 8,0000 Cobalt, total ug/L WW-98 04/11/2024 ND 0,0000 Cobalt, total ug/L WW-98 04/11/2020 2,2000 Cobalt, total ug/L WW-98 04/10/2020 0,000 0,0 | | | | | | | | |
| Chromium, total ug/L WW-98 04/09/2017 ND 8.0000 Chromium, total ug/L WW-98 04/22/2018 ND 8.0000 WW-98 04/22/2019 ND 8.0000 WW-98 04/22/2019 ND 8.0000 WW-98 04/22/2019 ND 8.0000 WW-98 04/22/2019 ND 8.0000 WW-98 04/09/2020 ND 8.0000 WW-98 04/09/2021 ND 8.0000 WW-98 04/09/2021 ND 8.0000 WW-98 04/09/2021 ND 8.0000 WW-98 04/09/2022 ND 8.0000 WW-98 04/10/2020 ND 8.0000 WW-98 04/10/2020 ND 8.0000 WW-98 04/10/2020 ND 8.0000 WW-98 04/10/2020 WW-98 04/10/2021 ND 8.0000 WW-98 04/10/2021 WW-98 04/10/2021 Ug/L WW-98 04/10/2017 0.8000 WW-98 04/10/2021 Ug/L WW-98 04/10/2020 Ug/L WW-98 04/20/2019 Ug/L WW-98 04/ | | | 1 | | | | | |
| Chromium, total commun, total chromium, total ug/L MW-98 04/11/2023 ND 8.0000 Chromium, total ug/L MW-98 04/11/2023 ND 8.0000 Chromium, total ug/L MW-98 04/11/2023 ND 8.0000 Chromium, total ug/L MW-98 04/11/2021 ND 8.0000 | | | MW-98 | | ND | | | |
| Chromium, total Chromium, total Chromium, total Ug/L MW-98 | Chromium, total | ug/L | MW-98 | 04/17/2018 | ND | 8.0000 | | |
| Chromium, total commun, tota | Chromium, total | ug/L | MW-98 | 10/22/2018 | ND | 8.0000 | | |
| Chromium, total chromium, to | Chromium, total | ug/L | MW-98 | 04/22/2019 | ND | 8.0000 | | |
| Chromium, total Chromium, total Chromium, total Ug/L MW-98 | Chromium, total | ug/L | | 10/23/2019 | | 8.0000 | | |
| Chromium, total | | | 1 | | | | | |
| Chromium, total Chromium, to | | | | | | | | |
| Chromium, total Ug/L WW-98 10/12/2022 ND 8.0000 ND 8.0000 ND 9 10/12/2023 ND 8.0000 ND 9 10/12/2024 ND 9.0000 ND 9 10/12/2024 ND 9 10/12/202 | | | | | | | | |
| Chromium, total Chromium, total Chromium, total Chromium, total Chromium, total Chromium, total Ug/L WW-98 04/11/2023 ND 8.0000 Wg/L WW-98 04/11/2024 ND 8.0000 Wg/L WW-98 04/10/2017 Wg/L WW-98 04/10/2020 Wg/L WW-98 04/06/2021 Wg/L WW-98 04/06/2022 Wg/L WW-98 04/06/2021 Wg/L WW-98 04/06/2021 Wg/L WW-98 04/06/2021 Wg/L WW-98 04/06/2021 Wg/L WW-98 04/06/2022 Wg/L WW-98 04/06/2021 Wg/L WW-98 04/06 | | | | | | | | |
| Chromium, total Chromium, total Chromium, total Ug/L WW-98 | | · · | | | | | | |
| Chromium, total | | | | | | | | |
| Chomium, total ug/L WW-98 04/17/2024 ND 8.0000 | | | | | | | | |
| Cobalt, total | | | | | | | | |
| Cobalt, total | | | | | טויו | | | |
| Cobalt, total | | 0 | 1 | | | | | |
| Cobalt, total ug/L MW-98 04/17/2018 ND 0.8000 | 11 ' | | 1 | | | | | |
| Cobalt, total | | | | | | | | |
| Cobalt, total | | | MW-98 | | ND | | | |
| Cobalt, total | | | MW-98 | 04/22/2019 | | 1.3000 | | |
| Cobalt, total | Cobalt, total | ug/L | MW-98 | 10/23/2019 | | 2.4000 | | |
| Cobalt, total | Cobalt, total | ug/L | MW-98 | 04/10/2020 | | 2.0000 | | |
| Cobalt, total | Cobalt, total | ug/L | MW-98 | 10/19/2020 | | 2.2000 | | |
| Cobalt, total | | | 1 | | | | | |
| Cobalt, total | | | 1 | | | | | |
| Cobalt, total | | | | | | | | |
| Cobalt, total | | | 1 | | | | | |
| Cobalt, total Ug/L MW-98 04/17/2024 4.7000 Copper, total Ug/L MW-98 10/13/2016 ND 4.0000 Copper, total Ug/L MW-98 10/19/2017 ND 4.0000 Copper, total Ug/L MW-98 10/19/2017 ND 4.0000 Copper, total Ug/L MW-98 04/17/2018 ND 4.0000 Copper, total Ug/L MW-98 10/19/2018 ND 4.0000 Copper, total Ug/L MW-98 10/19/2018 ND 4.0000 Copper, total Ug/L MW-98 10/19/2019 ND 4.0000 Copper, total Ug/L MW-98 10/19/2020 ND 4.0000 Copper, total Ug/L MW-98 10/19/2022 ND 4.0000 Copper, total Ug/L MW-98 10/19/2022 ND 4.0000 Copper, total Ug/L MW-98 10/19/2022 ND 4.0000 Copper, total Ug/L MW-98 10/19/2023 ND 4.0000 Copper, total Ug/L MW-98 10/19/2021 ND 4.0000 Copper, total Ug/L MW-98 10/19/2017 ND 4.0000 Ug/L MW-98 04/17/2018 ND 4.0000 Ug/L Ead, total Ug/L MW-98 04/10/2017 ND 4.0000 Ug/L Ead, total Ug/L MW-98 04/10/2017 ND 4.0000 Ug/L Ead, total Ug/L MW-98 04/10/2018 ND 4.0000 Ug/L Ead, total Ug/L MW-98 04/10/2020 ND | II = | U | 1 | | | | | |
| Copper, total | | | | | | | | |
| Copper, total | | | | | ND | | | |
| Copper, total | II = 11 1 1 | | | | | | | |
| Copper, total | | | 1 | | | | | |
| Copper, total | | | 1 | | | | | |
| Copper, total | II = 11 1 1 | | 1 | | | | | |
| Copper, total | II = 11 1 1 | | | | | | | |
| Copper, total | | | | | | | | |
| Copper, total | II = 11 1 1 | | MW-98 | 04/10/2020 | ND | | | |
| Copper, total | | | | | ND | | | |
| Copper, total | | | 1 | | | | | |
| Copper, total | II 🕳 ' ' ' ' | | | | | | | |
| Copper, total | | | | | | | | |
| Copper, total | | | | | | | | |
| Copper, total ug/L MW-98 04/17/2024 ND 4.0000 | | | | | | | | |
| Lead, total | ''' ' | | | | | | | |
| 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 04/17/2018 ND 4.0000 Lead, total ug/L MW-98 04/22/2019 ND 4.0000 Lead, total ug/L MW-98 04/22/2019 ND 4.0000 Lead, total ug/L MW-98 04/10/2020 ND 4.0000 Lead, total ug/L MW-98 04/10/2020 ND 4.0000 Lead, total ug/L MW-98 04/05/2021 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 04/06/2022 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 | | | | | | | | $\vdash\vdash$ |
| 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 10/22/2019 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 10/08/2021 ND 4.0000 Lead, total ug/L MW-98 04/06/2022 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 | II ' | | | | | | | |
| 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 04/06/2022 ND 4.0000 Lead, total ug/L MW-98 04/05/2022 ND 4.0000 Lead, total ug/L MW-98 10/25/2022 ND 4.0000 Lead, total ug/L | | | | | | | | |
| 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 04/05/2021 ND 4.0000 Lead, total ug/L MW-98 04/06/2022 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 | | | | | | | | |
| 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 10/05/2021 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 10/25/2022 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 | | | | | | | | |
| 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 | | | | | | | | |
| 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 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 | | | | 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 10/25/2022 ND 4.0000 | | | | | | | | |
| | | | 1 | | | | | |
| Leau, total ug/L MW-98 U4/11/2023 ND 4.0000 | | | | | | | | |
| - | Lead, total | ug/L | IVIVV-98 | 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 | |
|------------------------------------|--------------|----------------|--------------------------|----------|--------------------|------------------|----|
| Lead, total | ug/L | MW-98 | 10/13/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-98 | 04/17/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-98 | 10/13/2016 | ND ND | 4.0000 | | |
| Nickel, total Nickel, total | ug/L ug/L | MW-98 MW-98 | 04/10/2017 10/09/2017 | ND | 4.0000 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 Nickel, total | ug/L ug/L | MW-98 MW-98 | 10/19/2020 04/05/2021 | ND ND | 4.0000 | | |
| Nickel, total | ug/L ug/L | MW-98 | 10/08/2021 | ND | 4.0000 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 | | |
| Selenium, total | ug/L | MW-98 | 10/13/2016 | ND ND | 4.0000 | | |
| Selenium, total Selenium, total | ug/L ug/L | MW-98 MW-98 | 04/10/2017 10/09/2017 | ND | 4.0000 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 Selenium, total | ug/L | MW-98 MW-98 | 10/08/2021 04/06/2022 | ND ND | 4.0000 4.0000 | | |
| Selenium, total | ug/L 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 | | |
| 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 Silver, total | ug/L ug/L | MW-98 MW-98 | 10/22/2018 04/22/2019 | ND ND | 4.0000 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 Silver, total | ug/L ug/L | MW-98 MW-98 | 10/25/2022 04/11/2023 | ND ND | 4.0000 4.0000 | | |
| Silver, total | ug/L ug/L | MW-98 | 10/13/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-98 | 04/17/2024 | ND | 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 MW-98 | 04/17/2018 10/22/2018 | ND ND | 4.0000 4.0000 | 2.0000 2.0000 | ** |
| Thallium, total Thallium, total | ug/L ug/L | MW-98 | 04/22/2019 | ND ND | 2.0000 | ∠.0000 | |
| Thallium, total | ug/L 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 Thallium, total | ug/L | MW-98 MW-98 | 10/25/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L ug/L | MW-98 | 04/11/2023 10/13/2023 | ND ND | 2.0000 2.0000 | | |
| Thallium, total | ug/L ug/L | MW-98 | 04/17/2024 | ND | 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 Vanadium, total | ug/L ug/L | MW-98 MW-98 | 10/23/2019 04/10/2020 | ND ND | 20.0000 20.0000 | | |
| | 1 44/L | 14144-90 | J-1 10/2020 | שויו | 20.0000 | | 1 |

^{* -} 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-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 | | |
| 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 | | |
| , | | MW-98 | | ND | | | |
| Zinc, total | ug/L | 1 | 04/11/2023 | | 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 | | _ |
| 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 | | |
| | | MW-99 | | ND | 2.0000 | | |
| Antimony, total | ug/L | | 04/10/2020 | | | | |
| 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 | | |
| Arsenic, total | ug/L | MW-99 | 10/13/2016 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-99 | 04/10/2017 | ND | 4.0000 | | |
| | | MW-99 | | ND | 4.0000 | | |
| Arsenic, total | ug/L | 1 | 10/09/2017 | | | | |
| 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 | | |
| , | | MW-99 | | ND | | | |
| Arsenic, total | ug/L | | 10/25/2022 | | 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 | | _ |
| 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 ug/L | MW-99 | 04/10/2020 | | 124.0000 | | |
| | | | | | 118.0000 | | |
| Barium, total | ug/L | MW-99 | 10/19/2020 | | | | |
| 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 | | |
| Danum, iotai | ug/L | MW-99 | 10/25/2022 | | 134.0000 | | |
| Barium, total | | MW-99 | 04/11/2023 | | 89.4000 | | |
| | ua/L | 10100-99 | | | | | |
| Barium, total Barium, total | ug/L ug/L | | | | 134,0000 | | |
| Barium, total Barium, total Barium, total | ug/L | MW-99 | 10/13/2023 | | 134.0000 164.0000 | | |
| Barium, total Barium, total | | | | ND | 134.0000 164.0000 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 | |
|--------------------------------|--------------|----------------|--------------------------|----------|------------------|----------|---|
| 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 | | |
| 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 | | |
| 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 | | |
| Cobalt, total | ug/L | MW-99 | 10/13/2016 | .,0 | 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 ug/L | MW-99 | 10/22/2018 | | 0.8000 | | * |
| Cobalt, total | ug/L ug/L | MW-99 | 04/22/2019 | | 3.1000 | | |
| Cobalt, total | ug/L ug/L | MW-99 | 10/23/2019 | | 2.7000 | | |
| Cobalt, total | ug/L 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 ug/L | MW-99 | 04/06/2022 | | 3.5000 | | |
| Cobalt, total | ug/L ug/L | MW-99 | 10/25/2022 | | 3.6000 | | |
| Cobalt, total | ug/L ug/L | MW-99 | 04/11/2023 | | 2.2000 | | |
| Cobalt, total | ug/L ug/L | MW-99 | 10/13/2023 | | 3.3000 | | |
| Cobalt, total | ug/L ug/L | MW-99 | 04/18/2024 | | 4.1000 | | |
| Copper, total | ug/L ug/L | MW-99 | 10/13/2016 | ND | 4.0000 | | |
| Copper, total | ug/L ug/L | MW-99 | 04/10/2017 | ND | 4.0000 | | |
| Copper, total | ug/L ug/L | MW-99 | 10/09/2017 | ND | 4.0000 | | |
| | ug/L ug/L | MW-99 | | ND | 4.0000 | | |
| Copper, total | | | 04/17/2018 | | | | |
| 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 ug/L | MW-99 MW-99 | 10/19/2020 | ND | 4.0000 | | |
| Copper, total | | . N/1///_UU | 04/05/2021 | 1 | 5.3000 | | 1 |
| Copper total | | | | NID | | | |
| Copper, total Copper, total | ug/L ug/L | MW-99 MW-99 | 10/08/2021 04/06/2022 | ND ND | 4.0000 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 | |
|------------------------------------|--------------|----------------|--------------------------|----------|------------------|----------|----------|
| 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 | | |
| Lead, total Lead, total | ug/L ug/L | MW-99 MW-99 | 10/13/2016 04/10/2017 | ND ND | 4.0000 | | |
| Lead, total | ug/L ug/L | MW-99 | 10/09/2017 | ND | 4.0000 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 | | |
| 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 MW-99 | 04/17/2018 | ND | 4.3000 | | |
| Nickel, total | ug/L | | 10/22/2018 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-99 MW-99 | 04/22/2019 10/23/2019 | | 5.1000 | | |
| Nickel, total Nickel, total | ug/L ug/L | MW-99 | 04/10/2020 | | 7.1000 6.5000 | | |
| Nickel, total | ug/L 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 | | |
| 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 Selenium, total | ug/L ug/L | MW-99 MW-99 | 10/13/2023 04/18/2024 | ND ND | 4.0000 4.0000 | | |
| Silver, total | ug/L ug/L | MW-99 | 10/13/2016 | ND | 4.0000 | | \vdash |
| Silver, total | ug/L 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 | | |
| 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 | | |

^{* -} 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-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 | | |
| 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 | | |
| 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 | | |

* - 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 | 04/16/2024 | ND | 2.0000 | | 2.0000 |
| Arsenic, total | ug/L | MW-87 | 04/16/2024 | ND | 4.0000 | | 7.8000 |
| Barium, total | ug/L | MW-87 | 04/16/2024 | | 117.0000 | | 460.7031 |
| Beryllium, total | ug/L | MW-87 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-87 | 04/16/2024 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-87 | 04/16/2024 | ND | 8.0000 | | 23.4000 |
| Cobalt, total | ug/L | MW-87 | 04/16/2024 | ND | 0.4000 | | 6.0584 |
| Copper, total | ug/L | MW-87 | 04/16/2024 | ND | 4.0000 | | 5.3000 |
| Lead, total | ug/L | MW-87 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-87 | 04/16/2024 | ND | 4.0000 | | 8.8000 |
| Selenium, total | ug/L | MW-87 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-87 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-87 | 04/16/2024 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-87 | 04/16/2024 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-87 | 04/16/2024 | ND | 20.0000 | | 54.6000 |
| Antimony, total | ug/L | MW-89 | 04/16/2024 | ND | 2.0000 | | 2.0000 |
| Arsenic, total | ug/L | MW-89 | 04/16/2024 | ND | 4.0000 | | 7.8000 |
| Barium, total | ug/L | MW-89 | 04/16/2024 | | 240.0000 | | 460.7031 |
| Beryllium, total | ug/L | MW-89 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-89 | 04/16/2024 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-89 | 04/16/2024 | ND | 8.0000 | | 23.4000 |
| Cobalt, total | ug/L | MW-89 | 04/16/2024 | ND | 0.4000 | | 6.0584 |
| Copper, total | ug/L | MW-89 | 04/16/2024 | ND | 4.0000 | | 5.3000 |
| Lead, total | ug/L | MW-89 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-89 | 04/16/2024 | ND | 4.0000 | | 8.8000 |
| Selenium, total | ug/L | MW-89 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-89 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-89 | 04/16/2024 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-89 | 04/16/2024 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-89 | 04/16/2024 04/16/2024 | ND ND | 20.0000 | | 54.6000 |
| Antimony, total | ug/L | MW-91 MW-91 | 04/16/2024 | ND | 2.0000 4.0000 | | 2.0000 7.8000 |
| Arsenic, total Barium, total | ug/L ug/L | MW-91 | 04/16/2024 | ND | 186.0000 | | 460.7031 |
| Beryllium, total | ug/L ug/L | MW-91 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L ug/L | MW-91 | 04/16/2024 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-91 | 04/16/2024 | ND | 8.0000 | | 23.4000 |
| Cobalt, total | ug/L | MW-91 | 04/16/2024 | ND | 0.4000 | | 6.0584 |
| Copper, total | ug/L | MW-91 | 04/16/2024 | ND | 4.0000 | | 5.3000 |
| Lead, total | ug/L | MW-91 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-91 | 04/16/2024 | ND | 4.0000 | | 8.8000 |
| Selenium, total | ug/L | MW-91 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-91 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-91 | 04/16/2024 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-91 | 04/16/2024 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-91 | 04/16/2024 | ND | 20.0000 | | 54.6000 |
| Antimony, total | ug/L | MW-93 | 04/16/2024 | ND | 2.0000 | | 2.0000 |
| Arsenic, total | ug/L | MW-93 | 04/16/2024 | | 11.9000 | *** | 7.8000 |
| Barium, total | ug/L | MW-93 | 04/16/2024 | | 243.0000 | | 460.7031 |
| Beryllium, total | ug/L | MW-93 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-93 | 04/16/2024 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-93 | 04/16/2024 | ND | 8.0000 | | 23.4000 |
| Cobalt, total | ug/L | MW-93 | 04/16/2024 | | 9.8000 | *** | 6.0584 |
| Copper, total | ug/L | MW-93 | 04/16/2024 | ND | 4.0000 | | 5.3000 |
| Lead, total | ug/L | MW-93 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-93 | 04/16/2024 | | 25.5000 | *** | 8.8000 |
| Selenium, total | ug/L | MW-93 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-93 | 04/16/2024 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-93 | 04/16/2024 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-93 | 04/16/2024 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-93 | 04/16/2024 | NID. | 21.4000 | | 54.6000 |
| Antimony, total | ug/L | MW-95 | 04/17/2024 | ND | 2.0000 | | 2.0000 |
| Arsenic, total | ug/L | MW-95 | 04/17/2024 | ND | 4.0000 | | 7.8000 |
| Barium, total | ug/L | MW-95 | 04/17/2024 | NID | 42.7000 | | 460.7031 |
| Beryllium, total | ug/L | MW-95 | 04/17/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total Chromium, total | ug/L | MW-95 | 04/17/2024 | ND | 0.8000 | | 0.8000 |
| | ug/L | MW-95 | 04/17/2024 | ND | 8.0000 | | 23.4000 |
| Cobalt, total | ug/L | MW-95 MW-95 | 04/17/2024 04/17/2024 | ND ND | 0.4000 | | 6.0584 |
| Copper, total Lead, total | ug/L ug/L | MW-95 | 04/17/2024 | ND | 4.0000 | | 5.3000 |
| Nickel, total | ug/L ug/L | MW-95 | 04/17/2024 | ND | 4.0000 4.0000 | | 4.0000 8.8000 |
| Selenium, total | ug/L ug/L | MW-95 | 04/17/2024 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-95 | 04/17/2024 | ND | 4.0000 | | 4.0000 |
| | · ~9· – | | J.,, LOL 1 | . ,,,, | | | 1.0000 |

^{* -} Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 2 **Most Current Downgradient Monitoring Data**

| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|------------------|-------|-------|------------|----|----------|---|-------------|
| Thallium, total | ug/L | MW-95 | 04/17/2024 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-95 | 04/17/2024 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-95 | 04/17/2024 | ND | 20.0000 | | 54.6000 |
| Antimony, total | ug/L | MW-97 | 04/17/2024 | ND | 2.0000 | | 2.0000 |
| Arsenic, total | ug/L | MW-97 | 04/17/2024 | ND | 4.0000 | | 7.8000 |
| Barium, total | ug/L | MW-97 | 04/17/2024 | | 315.0000 | | 460.7031 |
| Beryllium, total | ug/L | MW-97 | 04/17/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-97 | 04/17/2024 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-97 | 04/17/2024 | ND | 8.0000 | | 23.4000 |
| Cobalt, total | ug/L | MW-97 | 04/17/2024 | ND | 0.4000 | | 6.0584 |
| Copper, total | ug/L | MW-97 | 04/17/2024 | | 7.1000 | * | 5.3000 |
| Lead, total | ug/L | MW-97 | 04/17/2024 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-97 | 04/17/2024 | ND | 4.0000 | | 8.8000 |
| Selenium, total | ug/L | MW-97 | 04/17/2024 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-97 | 04/17/2024 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-97 | 04/17/2024 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-97 | 04/17/2024 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-97 | 04/17/2024 | ND | 20.0000 | | 54.6000 |

^{* -} Current value failed - awaiting verification.

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

*** - Current value failed - exceedance 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 | 62 | 0.000 | 0 | 190 | 0.000 |
| Arsenic, total | 5 | 60 | 0.083 | 41 | 196 | 0.209 |
| Barium, total | 62 | 62 | 1.000 | 192 | 192 | 1.000 |
| Beryllium, total | 0 | 62 | 0.000 | 0 | 190 | 0.000 |
| Cadmium, total | 0 | 62 | 0.000 | 5 | 190 | 0.026 |
| Chromium, total | 2 | 62 | 0.032 | 7 | 190 | 0.037 |
| Cobalt, total | 34 | 61 | 0.557 | 36 | 195 | 0.185 |
| Copper, total | 4 | 62 | 0.065 | 31 | 194 | 0.160 |
| Lead, total | 0 | 62 | 0.000 | 12 | 190 | 0.063 |
| Nickel, total | 14 | 61 | 0.230 | 75 | 192 | 0.391 |
| Selenium, total | 0 | 62 | 0.000 | 5 | 194 | 0.026 |
| Silver, total | 0 | 62 | 0.000 | 0 | 190 | 0.000 |
| Thallium, total | 0 | 62 | 0.000 | 0 | 190 | 0.000 |
| Vanadium, total | 0 | 62 | 0.000 | 11 | 191 | 0.058 |
| Zinc, total | 7 | 61 | 0.115 | 53 | 191 | 0.277 |

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 | 62 | 0.000 | | | | | | | | | nonpar |
| Arsenic, total | 5 | 60 | 0.083 | 0.427 | 0.013 | | | | | 2.326 | normal | nonpar |
| Barium, total | 62 | 62 | 1.000 | 0.041 | 1.560 | | | | | 2.326 | normal | normal |
| Beryllium, total | 0 | 62 | 0.000 | | | | | | | | | nonpar |
| Cadmium, total | 0 | 62 | 0.000 | | | | | | | | | nonpar |
| Chromium, total | 2 | 62 | 0.032 | | | | | | | | | nonpar |
| Cobalt, total | 34 | 61 | 0.557 | 1.012 | 0.001 | | | | | 2.326 | normal | normal |
| Copper, total | 4 | 62 | 0.065 | | | | | | | | | nonpar |
| Lead, total | 0 | 62 | 0.000 | | | | | | | | | nonpar |
| Nickel, total | 14 | 61 | 0.230 | 1.049 | 0.057 | | | | | 2.326 | normal | nonpar |
| Selenium, total | 0 | 62 | 0.000 | | | | | | | | | nonpar |
| Silver, total | 0 | 62 | 0.000 | | | | | | | | | nonpar |
| Thallium, total | 0 | 62 | 0.000 | | | | | | | | | nonpar |
| Vanadium, total | 0 | 62 | 0.000 | | | | | | | | | nonpar |
| Zinc, total | 7 | 61 | 0.115 | 0.439 | 0.418 | | | | | 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 | Туре | | Conf |
|------------------|-------|--------|----|----------|----------|--------|--------|------------|--------|-----|------|
| Antimony, total | ug/L | 0 | 62 | | | | | 2.0000 | nonpar | *** | 0.99 |
| Arsenic, total | ug/L | 5 | 60 | | | | | 7.8000 | nonpar | | 0.99 |
| Barium, total | ug/L | 62 | 62 | 182.8016 | 115.3977 | 0.0100 | 2.4082 | 460.7031 | normal | | |
| Beryllium, total | ug/L | 0 | 62 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Cadmium, total | ug/L | 0 | 62 | | | | | 0.8000 | nonpar | *** | 0.99 |
| Chromium, total | ug/L | 2 | 62 | | | | | 23.4000 | nonpar | | 0.99 |
| Cobalt, total | ug/L | 34 | 61 | 1.5951 | 1.8523 | 0.0100 | 2.4096 | 6.0584 | normal | | |
| Copper, total | ug/L | 4 | 62 | | | | | 5.3000 | nonpar | | 0.99 |
| Lead, total | ug/L | 0 | 62 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Nickel, total | ug/L | 14 | 61 | | | | | 8.8000 | nonpar | | 0.99 |
| Selenium, total | ug/L | 0 | 62 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Silver, total | ug/L | 0 | 62 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Thallium, total | ug/L | 0 | 62 | | | | | 2.0000 | nonpar | *** | 0.99 |
| Vanadium, total | ug/L | 0 | 62 | | | | | 20.0000 | nonpar | *** | 0.99 |
| Zinc, total | ug/L | 7 | 61 | | | | | 54.6000 | | | 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.

- Nonparametric limit based of IND 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 | | 10/13/2016-04/17/2024 | 15 | 0.6177 |
| Cobalt, total | ug/L | MW-99 | 10/22/2018 | 0.8000 | | 10/13/2016-04/18/2024 | 16 | 0.5973 |

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

| Arsenic, total | .19/L .19/L .19/L .19/L .19/L .19/L .19/L .19/L .19/L .19/L | MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 | 08/21/2008 10/03/2008 12/08/2008 02/11/2009 04/02/2009 10/16/2009 04/20/2010 10/08/2011 10/06/2011 04/05/2011 10/09/2012 | ND ND ND ND ND ND ND | 20.0000 4.0000 4.0000 4.0000 4.0000 4.0000 10.9000 11.1000 4.0000 4.0000 | * | 7.8000 7.8000 7.8000 7.8000 7.8000 7.8000 7.8000 7.8000 |
|--|--|---|--|--|---|---|--|
| Arsenic, total | .g/L .g/L .g/L .g/L .g/L .g/L .g/L .g/L | MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 | 12/08/2008 02/11/2009 04/02/2009 10/16/2009 04/20/2010 10/08/2010 04/05/2011 10/06/2011 04/10/2012 10/09/2012 | ND ND ND ND | 4.0000 4.0000 4.0000 4.0000 10.9000 11.1000 4.0000 | * | 7.8000 7.8000 7.8000 7.8000 7.8000 |
| Arsenic, total | .g/L .g/L .g/L .g/L .g/L .g/L .g/L .g/L | MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 | 02/11/2009 04/02/2009 10/16/2009 04/20/2010 10/08/2010 04/05/2011 10/06/2011 04/10/2012 10/09/2012 | ND ND ND | 4.0000 4.0000 4.0000 10.9000 11.1000 4.0000 | * | 7.8000 7.8000 7.8000 7.8000 |
| Arsenic, total | .g/L .g/L .g/L .g/L .g/L .g/L .g/L .g/L | MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 | 04/02/2009 10/16/2009 04/20/2010 10/08/2010 04/05/2011 10/06/2011 04/10/2012 10/09/2012 | ND ND | 4.0000 4.0000 10.9000 11.1000 4.0000 | * | 7.8000 7.8000 7.8000 |
| Arsenic, total | .g/L .g/L .g/L .g/L .g/L .g/L .g/L .g/L | MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 | 10/16/2009 04/20/2010 10/08/2010 04/05/2011 10/06/2011 04/10/2012 10/09/2012 | ND ND | 4.0000 10.9000 11.1000 4.0000 | * | 7.8000 7.8000 |
| Arsenic, total under the control of | .g/L .g/L .g/L .g/L .g/L .g/L .g/L .g/L | MW-93 MW-93 MW-93 MW-93 MW-93 MW-93 | 04/20/2010 10/08/2010 04/05/2011 10/06/2011 04/10/2012 10/09/2012 | ND | 10.9000 11.1000 4.0000 | * | 7.8000 |
| Arsenic, total under the control of | .g/L .g/L .g/L .g/L .g/L .g/L .g/L .g/L | MW-93 MW-93 MW-93 MW-93 MW-93 | 10/08/2010 04/05/2011 10/06/2011 04/10/2012 10/09/2012 | | 10.9000 11.1000 4.0000 | * | 7.8000 |
| Arsenic, total undersenic, und | .g/L .g/L .g/L .g/L .g/L .g/L .g/L .g/L | MW-93 MW-93 MW-93 MW-93 MW-93 | 10/08/2010 04/05/2011 10/06/2011 04/10/2012 10/09/2012 | | 11.1000 4.0000 | * | |
| Arsenic, total undersenic, und | .g/L .g/L .g/L .g/L .g/L .g/L .g/L | MW-93 MW-93 MW-93 MW-93 | 04/05/2011 10/06/2011 04/10/2012 10/09/2012 | | 4.0000 | | |
| Arsenic, total under the control of | 18/F 18/F 18/F 18/F 18/F | MW-93 MW-93 MW-93 | 10/06/2011 04/10/2012 10/09/2012 | | | | 7.8000 |
| Arsenic, total Arsenic, total Arsenic, total Arsenic, total Arsenic, total Arsenic, total | 18/F 18/F 18/F 18/F 18/F | MW-93 MW-93 MW-93 | 04/10/2012 10/09/2012 | .,_ | | | 7.8000 |
| Arsenic, total u Arsenic, total u Arsenic, total u Arsenic, total u | ug/L ug/L ug/L ug/L | MW-93 MW-93 | 10/09/2012 | | 4.2000 | | 7.8000 |
| Arsenic, total u Arsenic, total u Arsenic, total u | ug/L ug/L ug/L | MW-93 | | | 4.4000 | | 7.8000 |
| Arsenic, total u | ug/L ug/L | | 04/04/2013 | ND | 4.0000 | | 7.8000 |
| Arsenic, total u | ug/L ug/L | | 10/16/2013 | ND | 4.0000 | | 7.8000 |
| | ug/L | MW-93 | 04/10/2014 | | 9.2000 | * | 7.8000 |
| | | MW-93 | 10/16/2014 | | 5.1000 | | 7.8000 |
| | ug/L | MW-93 | 04/06/2015 | | 5.9000 | | 7.8000 |
| | ug/L | MW-93 | 10/01/2015 | | 5.2000 | | 7.8000 |
| | ug/L | MW-93 | 04/14/2016 | | 16.1000 | * | 7.8000 |
| | ug/L | MW-93 | 10/13/2016 | | 6.5000 | | 7.8000 |
| | | I | | | | | |
| | ug/L | MW-93 MW-93 | 04/10/2017 10/09/2017 | ND | 5.5000 4.0000 | | 7.8000 7.8000 |
| | ug/L | MW-93 | 04/17/2018 | ואט | 5.4000 | | 7.8000 |
| | ug/L | | | | | * | |
| | ug/L | MW-93 | 10/22/2018 | | 18.4000 | * | 7.8000 |
| | ug/L | MW-93 | 04/22/2019 | | 67.3000 | * | 7.8000 |
| | ug/L | MW-93 | 10/23/2019 | | 13.6000 | * | 7.8000 |
| | ug/L | MW-93 | 04/10/2020 | | 17.5000 | ^ | 7.8000 |
| | ug/L | MW-93 | 10/19/2020 | | 4.8000 | . | 7.8000 |
| | ug/L | MW-93 | 04/05/2021 | | 10.5000 | * | 7.8000 |
| | ug/L | MW-93 | 10/08/2021 | | 11.4000 | * | 7.8000 |
| | ug/L | MW-93 | 04/06/2022 | | 11.1000 | | 7.8000 |
| | ug/L | MW-93 | 10/25/2022 | | 58.5000 | * | 7.8000 |
| | ug/L | MW-93 | 04/11/2023 | | 9.3000 | * | 7.8000 |
| | ug/L | MW-93 | 10/13/2023 | | 59.6000 | * | 7.8000 |
| | ug/L | MW-93 | 04/16/2024 | | 11.9000 | * | 7.8000 |
| | ug/L | MW-93 | 08/21/2008 | ND | 10.0000 | | 6.0584 |
| | ug/L | MW-93 | 10/03/2008 | ND | 4.0000 | | 6.0584 |
| | ıg/L | MW-93 | 12/08/2008 | ND | 4.0000 | | 6.0584 |
| | ıg/L | MW-93 | 02/11/2009 | ND | 4.0000 | | 6.0584 |
| | ug/L | MW-93 | 04/02/2009 | ND | 4.0000 | | 6.0584 |
| | ug/L | MW-93 | 10/16/2009 | ND | 4.0000 | . | 6.0584 |
| | ug/L | MW-93 | 04/20/2010 | | 11.6000 | * | 6.0584 |
| | ug/L | MW-93 | 10/08/2010 | | 16.2000 | * | 6.0584 |
| Cobalt, total u | ug/L | MW-93 | 04/05/2011 | | 9.2000 | * | 6.0584 |
| Cobalt, total u | ug/L | MW-93 | 10/06/2011 | | 8.6000 | * | 6.0584 |
| Cobalt, total u | ug/L | MW-93 | 04/10/2012 | | 4.8000 | | 6.0584 |
| | ug/L | MW-93 | 10/09/2012 | | 4.5000 | | 6.0584 |
| | ug/L | MW-93 | 04/04/2013 | | 4.5000 | | 6.0584 |
| | ug/L | MW-93 | 10/16/2013 | | 4.6000 | | 6.0584 |
| Cobalt, total u | ug/L | MW-93 | 04/10/2014 | | 11.2000 | * | 6.0584 |
| Cobalt, total u | ug/L | MW-93 | 10/16/2014 | | 7.3000 | * | 6.0584 |
| Cobalt, total u | ug/L | MW-93 | 04/06/2015 | | 9.7000 | * | 6.0584 |
| Cobalt, total u | ığ/L | MW-93 | 10/01/2015 | | 7.5000 | * | 6.0584 |
| | ığ/L | MW-93 | 04/14/2016 | | 14.7000 | * | 6.0584 |
| | ığ/L | MW-93 | 10/13/2016 | | 6.6000 | * | 6.0584 |
| | ıg/L | MW-93 | 04/10/2017 | | 8.6000 | * | 6.0584 |
| | ıg/L | MW-93 | 10/09/2017 | | 5.2000 | | 6.0584 |
| | ıg/L | MW-93 | 04/17/2018 | | 5.9000 | | 6.0584 |
| | ıg/L | MW-93 | 10/22/2018 | | 9.9000 | * | 6.0584 |
| | ıg/L | MW-93 | 04/22/2019 | | 18.9000 | * | 6.0584 |
| | ug/L | MW-93 | 10/23/2019 | | 8.3000 | * | 6.0584 |
| | ıg/L | MW-93 | 04/10/2020 | | 11.3000 | * | 6.0584 |
| | ig/L | MW-93 | 10/19/2020 | | 4.6000 | | 6.0584 |
| | ug/L | MW-93 | 04/05/2021 | | 7.9000 | * | 6.0584 |
| | ıg/L | MW-93 | 10/08/2021 | | 7.1000 | * | 6.0584 |
| | ıg/L | MW-93 | 04/06/2022 | | 8.7000 | * | 6.0584 |
| | ıg/L | MW-93 | 10/25/2022 | | 8.6000 | * | 6.0584 |
| | ug/L | MW-93 | 04/11/2023 | | 9.0000 | * | 6.0584 |
| | ug/L | MW-93 | 10/13/2023 | | 8.3000 | * | 6.0584 |
| | ug/L | MW-93 | 04/16/2024 | | 9.8000 | * | 6.0584 |
| | ıg/L | MW-93 | 08/21/2008 | | 29.0000 | * | 8.8000 |
| | Jr | | 30,2.,2000 | | | | 0.0000 |

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

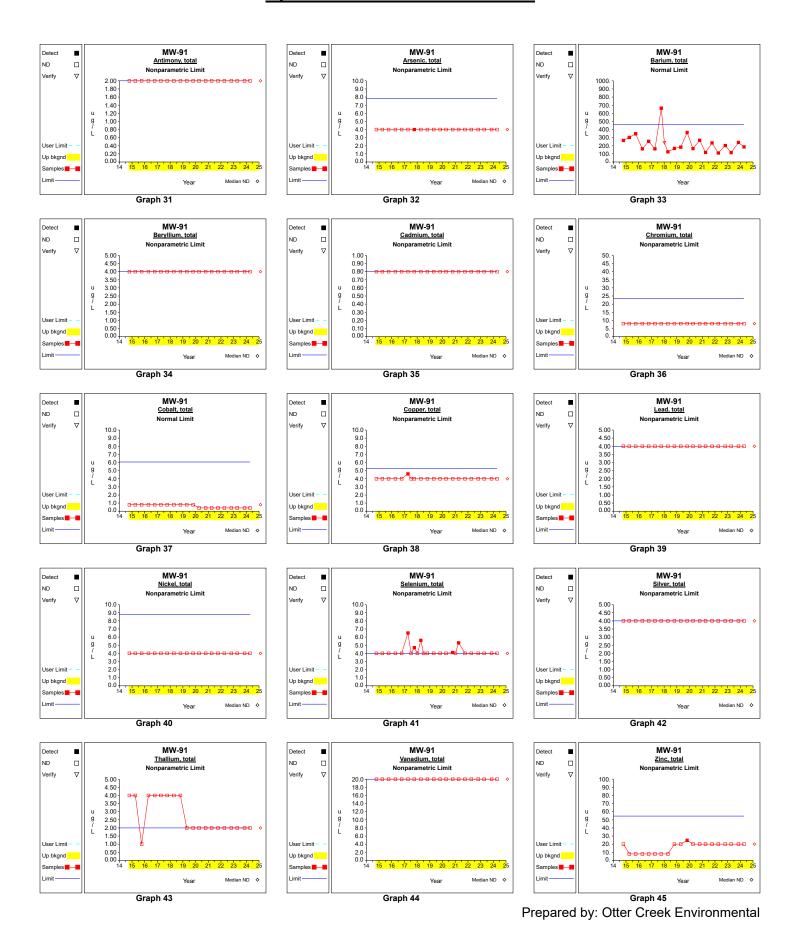
Table 8 Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

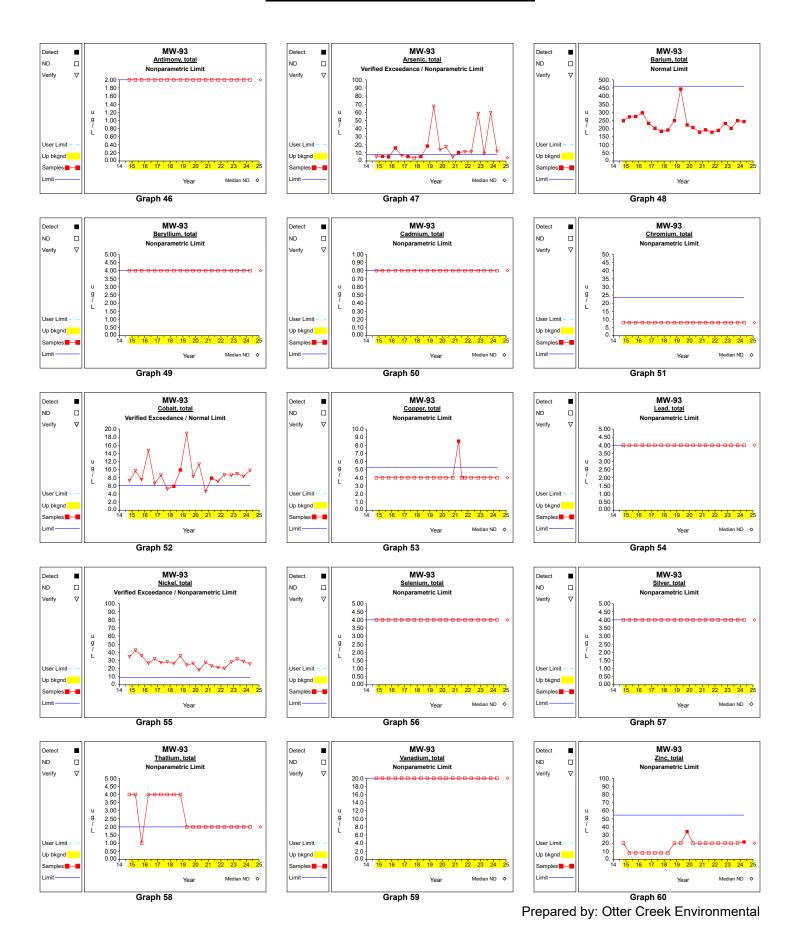
| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|--------------------------------|--------------|----------------|--------------------------|----------|-------------------|---|------------------|
| Nickel, total | ug/L | MW-93 | 10/03/2008 | | 28.9000 | * | 8.8000 |
| Nickel, total | 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 |
| 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 MW-97 | 04/16/2024 10/16/2013 | | 25.5000 4.7000 | | 8.8000 5.3000 |
| Copper, total | ug/L | MW-97 | 04/10/2014 | | 4.7000 | | 5.3000 |
| Copper, total Copper, total | ug/L ug/L | MW-97 | 10/16/2014 | ND | 4.0000 | | 5.3000 |
| Copper, total | ug/L ug/L | MW-97 | 04/03/2015 | ND | 4.0000 | | 5.3000 |
| | | MW-97 | 10/01/2015 | ND | 4.0000 | | 5.3000 |
| Copper, total Copper, total | ug/L ug/L | MW-97 | 04/14/2016 | ND | 4.0000 | | 5.3000 |
| | | MW-97 | 10/13/2016 | ND | 4.0000 | | 5.3000 |
| Copper, total Copper, total | ug/L ug/L | MW-97 | 04/10/2017 | ND ND | 4.0000 | | 5.3000 |
| Copper, total | ug/L ug/L | MW-97 | 04/10/2017 | ND ND | 4.0000 | | 5.3000 |
| Copper, total | ug/L ug/L | MW-97 | 10/19/2020 | ND ND | 4.0000 | | 5.3000 |
| Copper, total | ug/L ug/L | MW-97 | 04/05/2021 | ND ND | 4.0000 | | 5.3000 |
| Copper, total | ug/L ug/L | MW-97 | 10/08/2021 | ND | 4.0000 | | 5.3000 |
| Copper, total | ug/L ug/L | MW-97 | 04/06/2022 | ND | 4.0000 | | 5.3000 |
| Copper, total | ug/L ug/L | MW-97 | 10/25/2022 | ND | 4.0000 | | 5.3000 |
| Copper, total | ug/L ug/L | MW-97 | 04/11/2023 | ND | 4.0000 | | 5.3000 |
| Copper, total | ug/L ug/L | MW-97 | 10/13/2023 | ND | 4.0000 | | 5.3000 |
| Copper, total | ug/L ug/L | MW-97 | 04/17/2024 | ן און | 7.1000 | * | 5.3000 |
| Coppor, total | ~9/ - | | O II II I Z Z Z Z | | 7.1000 | | 3.3300 |

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

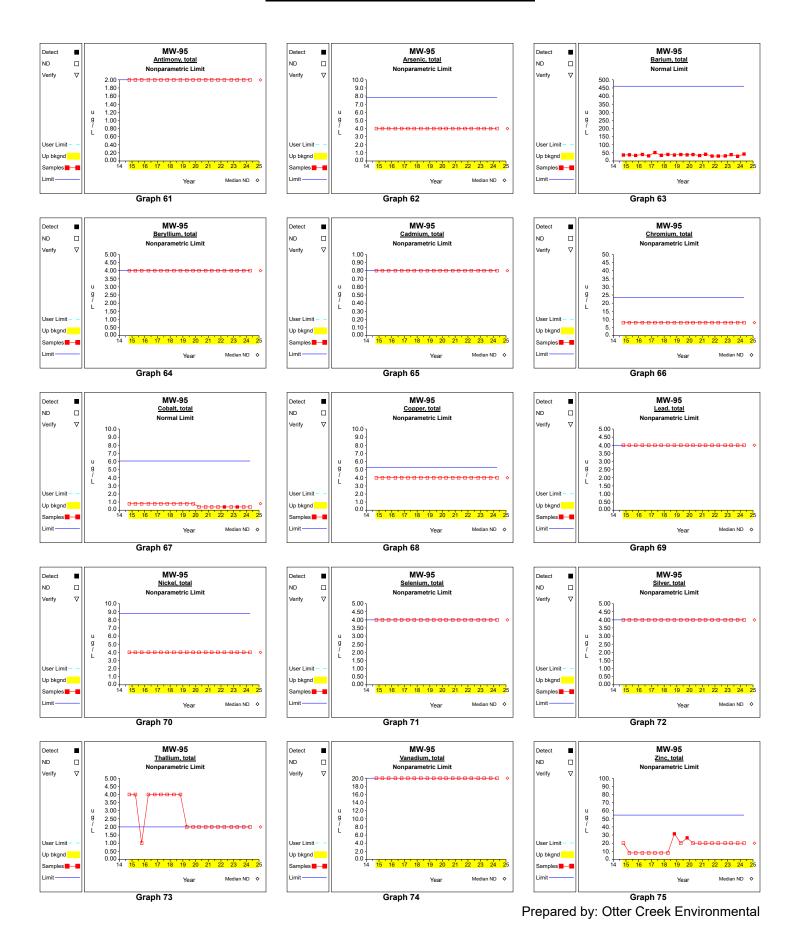




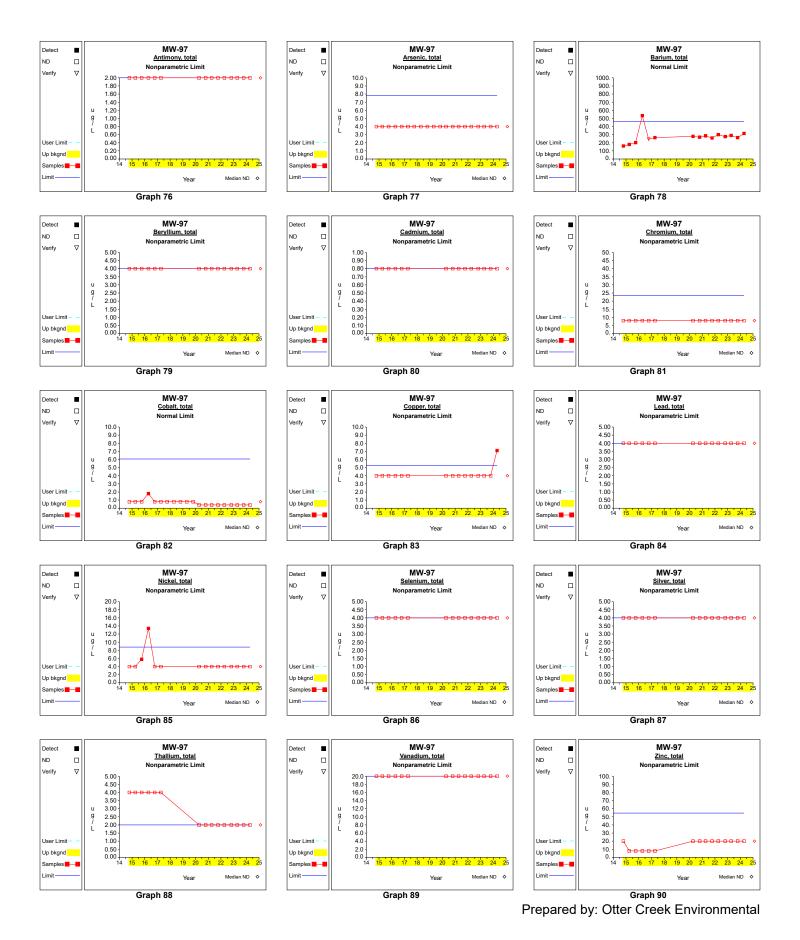




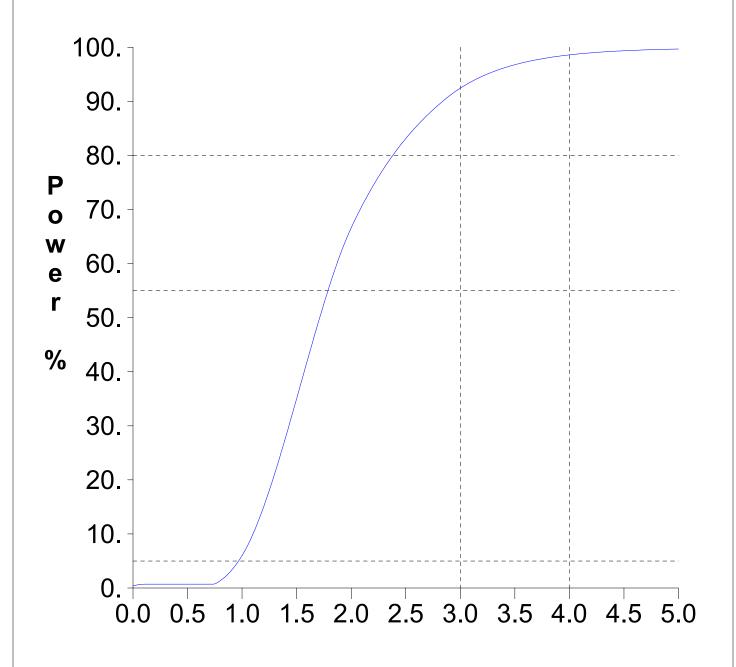
Up vs. Down Prediction Limits



Up vs. Down Prediction Limits



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



S. D. Units

Attachment C

Assessment Statistics for Trace Metals

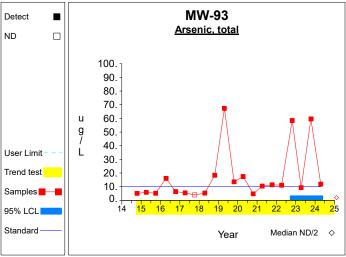
marshall2024s1 May 2024

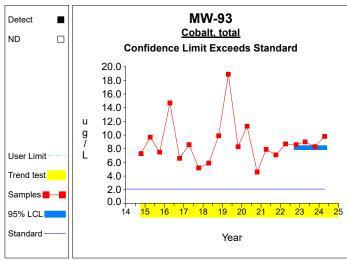
Table 1 Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

| - | | | | | | | | | | | _ |
|----------------|-------|-------|---|--------|--------|--------|---------|---------|----------|-------|----|
| Constituent | Units | Well | N | Mean | SD | Factor | 95% LCL | 95% UCL | Standard | Trend | |
| Arsenic, total | ug/L | MW-93 | 4 | 34.825 | 27.996 | 1.176 | 1.893 | 67.757 | 10.000 | | |
| Cobalt, total | ug/L | MW-93 | 4 | 8.925 | 0.650 | 1.176 | 8.160 | 9.690 | 2.100 | | ** |
| Nickel, total | ug/L | MW-93 | 4 | 28.500 | 2.604 | 1.176 | 25.437 | 31.563 | 100.000 | | |

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

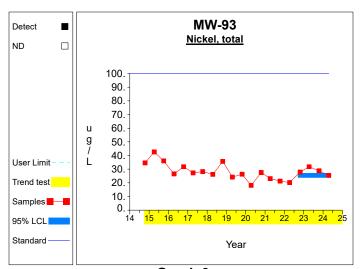
Confidence Limits (Assessment)







Graph 2

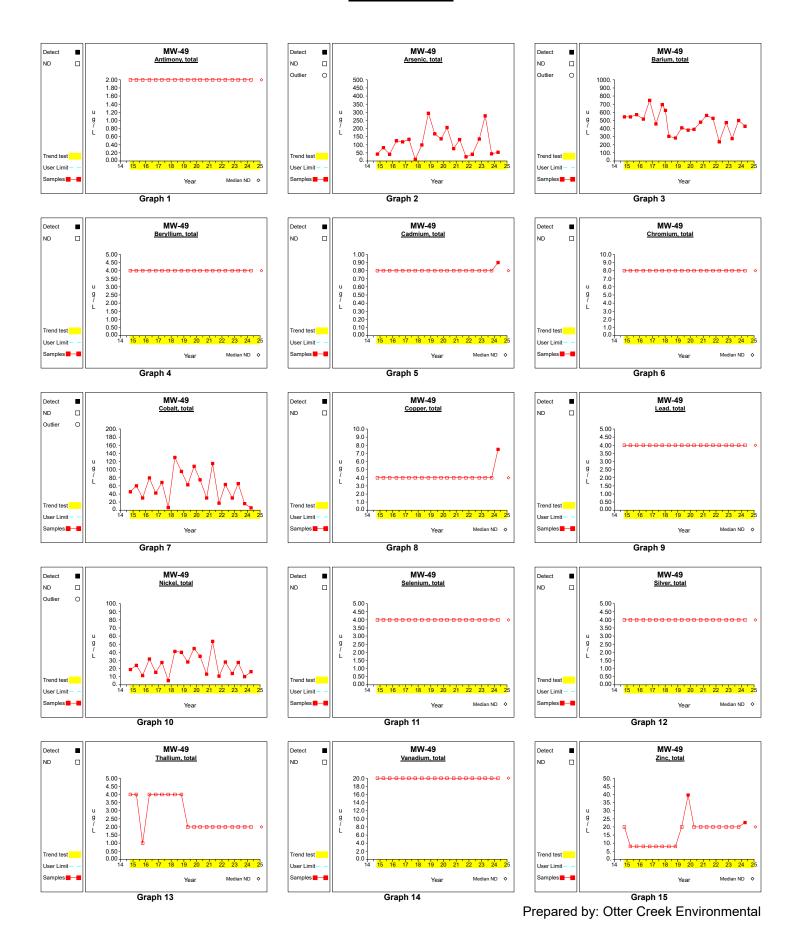


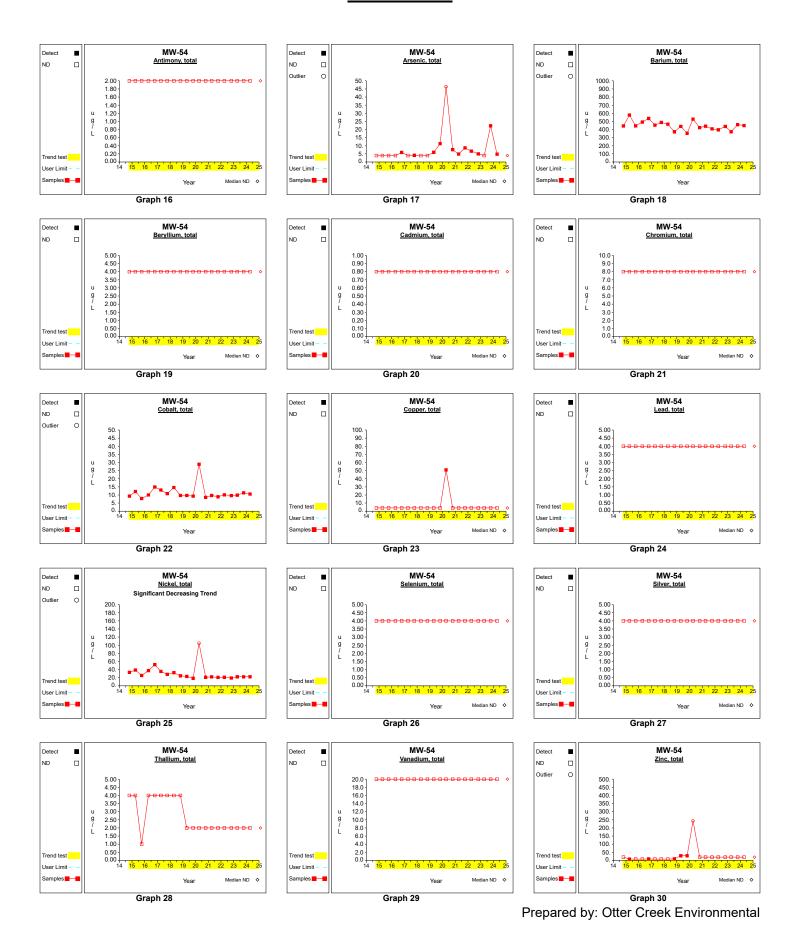
Graph 3

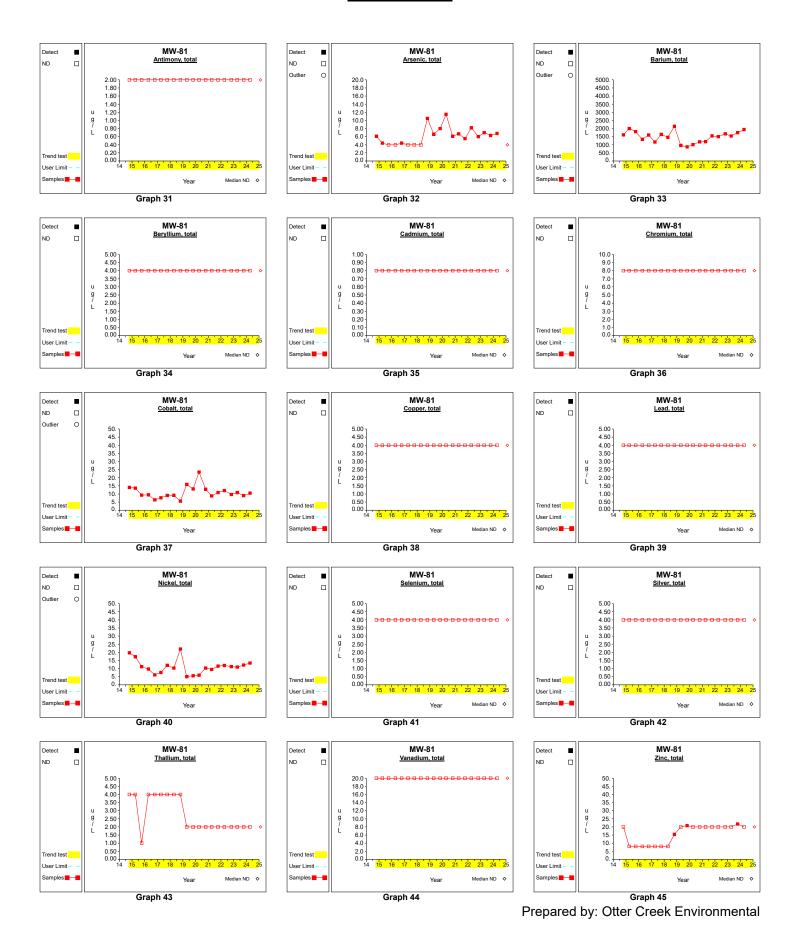
Attachment D

Supplemental Wells Time Series of Trace Metals

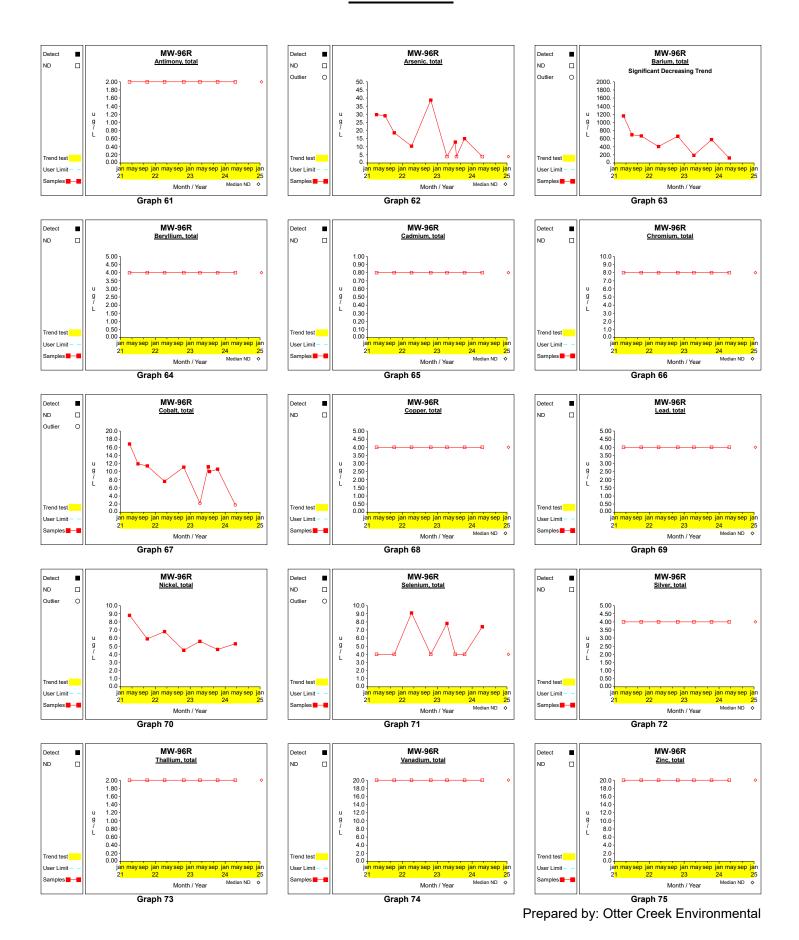
marshall2024s1 May 2024











Attachment E

Summary Table and Graphs – Intrawell Statistics

marshall2024s1 May 2024

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 | Туре | Conf | |
|------------------|-------|-------|---------|--------|--------|----------|---------|----------|----------|----------|----------|----------|--------|------|----|
| Antimony, total | ug/L | MW-93 | 13 | 7 | 35 | | | 2.0000 | 2.0000 | | | 2.0000 | nonpar | .99 | ** |
| Arsenic, total | ug/L | MW-93 | 13 | 7 | 35 | 13.4846 | 17.0367 | 59.6000 | 11.9000 | 62.0983 | 47.7361 | 81.6313 | normal | | ' |
| Barium, total | ug/L | MW-93 | 13 | 7 | 35 | 245.9231 | 70.0053 | 249.0000 | 243.0000 | 245.9231 | 245.9231 | 525.9443 | normal | | ' |
| Beryllium, total | ug/L | MW-93 | 13 | 7 | 35 | | | 4.0000 | 4.0000 | | | 4.0000 | nonpar | .99 | ** |
| Cadmium, total | ug/L | MW-93 | 13 | 7 | 35 | | | 0.8000 | 0.8000 | | | 0.8000 | nonpar | .99 | ** |
| Chromium, total | ug/L | MW-93 | 13 | 7 | 35 | | | 8.0000 | 8.0000 | | | 8.0000 | nonpar | .99 | ** |
| Cobalt, total | ug/L | MW-93 | 13 | 7 | 35 | 9.1154 | 3.9987 | 8.3000 | 9.8000 | 9.1154 | 9.1154 | 25.1103 | normal | | ' |
| Copper, total | ug/L | MW-93 | 13 | 8 | 36 | | | 4.0000 | 4.0000 | | | 4.0000 | nonpar | .99 | ** |
| Lead, total | ug/L | MW-93 | 13 | 7 | 35 | | | 4.0000 | 4.0000 | | | 4.0000 | nonpar | .99 | ** |
| Nickel, total | ug/L | MW-93 | 13 | 7 | 36 | 29.6231 | 6.3359 | 28.8000 | 25.5000 | 29.6231 | 29.6231 | 54.9667 | normal | | ' |
| Selenium, total | ug/L | MW-93 | 13 | 7 | 35 | | | 4.0000 | 4.0000 | | | 4.0000 | nonpar | .99 | ** |
| Silver, total | ug/L | MW-93 | 13 | 7 | 35 | | | 4.0000 | 4.0000 | | | 4.0000 | nonpar | .99 | ** |
| Thallium, total | ug/L | MW-93 | 13 | 7 | 35 | | | 2.0000 | 2.0000 | | | 4.0000 | nonpar | .99 | ** |
| Vanadium, total | ug/L | MW-93 | 13 | 7 | 35 | | | 20.0000 | 20.0000 | | | 20.0000 | nonpar | .99 | ** |
| Zinc, total | ug/L | MW-93 | 13 | 7 | 35 | | | 20.0000 | 21.4000 | | | 34.2000 | 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.

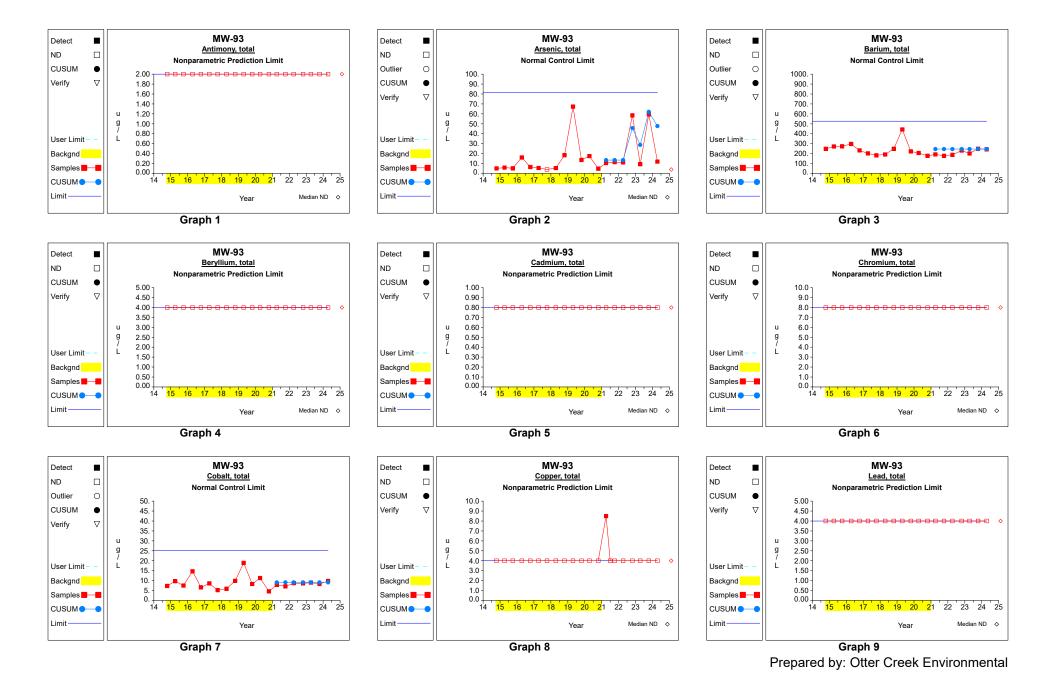
Conf = conflictor evel for passing initial test or one verification resample (nonparametric test only).

^{* -} Insufficient Data.

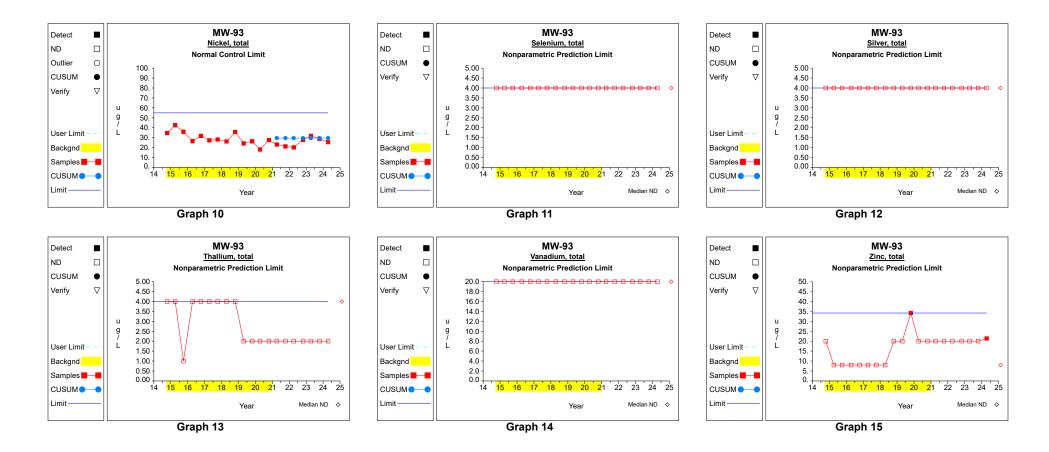
^{** -} Detection Frequency < 25%.

^{*** -} Zero Variance.

Intra-Well Control Charts / Prediction Limits



Intra-Well Control Charts / Prediction Limits



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

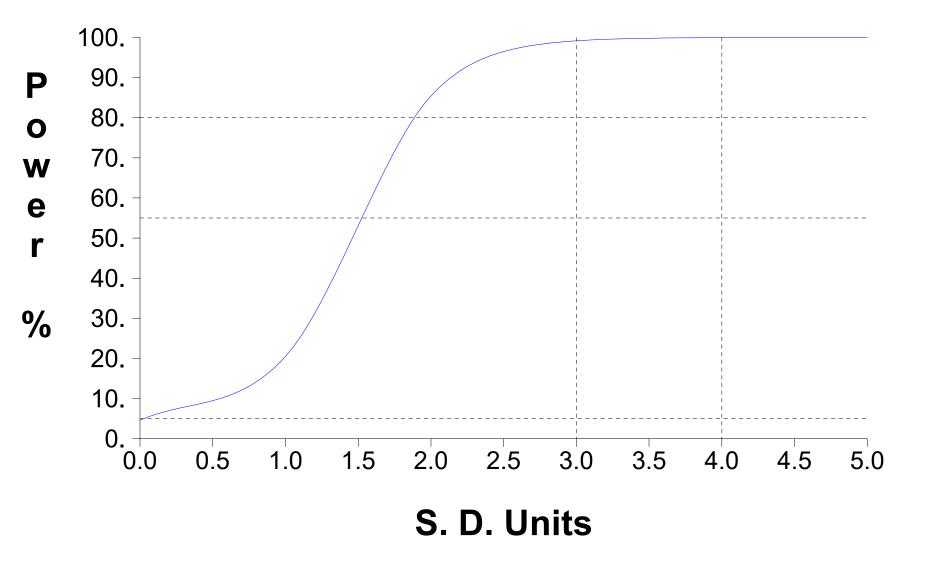


Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|-----------------|-------|-------|------------|------------|----------|----|---------|---------|----------|--|
| Antimony, total | ug/L | MW-93 | 10/16/2014 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/06/2015 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/01/2015 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/14/2016 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/13/2016 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/10/2017 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/09/2017 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/17/2018 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/22/2018 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/22/2019 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/23/2019 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/10/2020 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/19/2020 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/05/2021 | , | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/08/2021 | | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/06/2022 | | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/25/2022 | | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/11/2023 | | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/13/2023 | | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/16/2024 | | 2.0000 | ND | | | | |
| Arsenic, total | ug/L | MW-93 | 10/16/2014 | yes | 5.1000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/06/2015 | ves | 5.9000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/01/2015 | yes | 5.2000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/14/2016 | yes | 16.1000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/13/2016 | yes | 6.5000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/10/2017 | yes | 5.5000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/09/2017 | ves | 4.0000 | ND | | | | |
| Arsenic, total | ug/L | MW-93 | 04/17/2018 | yes | 5.4000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/22/2018 | yes | 18.4000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/22/2019 | yes | 67.3000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/23/2019 | ves | 13.6000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/10/2020 | yes | 17.5000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/19/2020 | yes | 4.8000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/05/2021 | , | 10.5000 | | | 13.4846 | | |
| Arsenic, total | ug/L | MW-93 | 10/08/2021 | | 11.4000 | | | 13.4846 | | |
| Arsenic, total | ug/L | MW-93 | 04/06/2022 | | 11.1000 | | | 13.4846 | | |
| Arsenic, total | ug/L | MW-93 | 10/25/2022 | | 58.5000 | | | 45.7225 | | |
| Arsenic, total | ug/L | MW-93 | 04/11/2023 | | 9.3000 | | | 28.7604 | | |
| Arsenic, total | ug/L | MW-93 | 10/13/2023 | | 59.6000 | | | 62.0983 | | |
| Arsenic, total | ug/L | MW-93 | 04/16/2024 | | 11.9000 | | | 47.7361 | | |
| Barium, total | ug/L | MW-93 | 10/16/2014 | yes | 248.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/06/2015 | yes | 272.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 10/01/2015 | yes | 274.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/14/2016 | yes | 297.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 10/13/2016 | yes | 232.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/10/2017 | yes | 202.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 10/09/2017 | yes | 183.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/17/2018 | yes | 191.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 10/22/2018 | yes | 249.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/22/2019 | ves | 443.0000 | | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|------------------|-------|-------|------------|------------|----------|----|---------|----------|----------|--|
| Barium, total | ug/L | MW-93 | 10/23/2019 | yes | 222.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/10/2020 | yes | 206.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 10/19/2020 | yes | 178.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/05/2021 | | 192.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 10/08/2021 | | 178.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 04/06/2022 | | 188.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 10/25/2022 | | 231.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 04/11/2023 | | 201.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 10/13/2023 | | 249.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 04/16/2024 | | 243.0000 | | | 245.9231 | | |
| Beryllium, total | ug/L | MW-93 | 10/16/2014 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/01/2015 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/13/2016 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/10/2017 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/09/2017 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/17/2018 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/22/2018 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/22/2019 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/23/2019 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/10/2020 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/19/2020 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/05/2021 | , | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/08/2021 | | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/06/2022 | | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/25/2022 | | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/11/2023 | | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/13/2023 | | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/16/2024 | | 4.0000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/16/2014 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/06/2015 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/01/2015 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/14/2016 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/13/2016 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/10/2017 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/09/2017 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/17/2018 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/22/2018 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/22/2019 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/23/2019 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/10/2020 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/19/2020 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/05/2021 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/08/2021 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/06/2022 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/25/2022 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/11/2023 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/13/2023 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/16/2024 | | 0.8000 | ND | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Chromium, total | | | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|-----------------|------|-------|------------|------------|---------|----|---------|--------|----------|--|
| Ol | ug/L | MW-93 | 10/16/2014 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/06/2015 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/01/2015 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/14/2016 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/13/2016 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/10/2017 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/09/2017 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/17/2018 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/22/2018 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/22/2019 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/23/2019 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/10/2020 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/19/2020 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/05/2021 | , | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/08/2021 | | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/06/2022 | | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/25/2022 | | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/11/2023 | | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/13/2023 | | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/16/2024 | | 8.0000 | ND | | | | |
| Cobalt, total | ug/L | MW-93 | 10/16/2014 | yes | 7.3000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/06/2015 | yes | 9.7000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/01/2015 | yes | 7.5000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/14/2016 | yes | 14.7000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/13/2016 | yes | 6.6000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/10/2017 | yes | 8.6000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/09/2017 | yes | 5.2000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/17/2018 | yes | 5.9000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/22/2018 | yes | 9.9000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/22/2019 | yes | 18.9000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/23/2019 | yes | 8.3000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/10/2020 | yes | 11.3000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/19/2020 | yes | 4.6000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/05/2021 | , | 7.9000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 10/08/2021 | | 7.1000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 04/06/2022 | | 8.7000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 10/25/2022 | | 8.6000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 04/11/2023 | | 9.0000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 10/13/2023 | | 8.3000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 04/16/2024 | | 9.8000 | | | 9.1154 | | |
| Copper, total | ug/L | MW-93 | 10/16/2014 | yes | 4.0000 | ND | | 2 | | |
| Copper, total | ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/01/2015 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/13/2016 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/10/2017 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/09/2017 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/17/2018 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/22/2018 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/22/2019 | yes | 4.0000 | ND | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|---------------|--------------|----------|------------|------------|---------|----|---------|---------|----------|----|
| Copper, total | ug/L | MW-93 | 10/23/2019 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/10/2020 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/19/2020 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/05/2021 | - | 8.5000 | | | | | ** |
| Copper, total | ug/L | MW-93 | 07/02/2021 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/08/2021 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/06/2022 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/25/2022 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/11/2023 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/13/2023 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/16/2024 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/16/2014 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/01/2015 | ves | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/13/2016 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/10/2017 | ves | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/09/2017 | , | 4.0000 | ND | | | | |
| · / | | MW-93 | 04/17/2018 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | | | yes | | | | | | |
| Lead, total | ug/L | MW-93 | 10/22/2018 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/22/2019 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/23/2019 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/10/2020 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/19/2020 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/05/2021 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/08/2021 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/06/2022 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/25/2022 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/11/2023 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/13/2023 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/16/2024 | | 4.0000 | ND | | | | |
| Nickel, total | ug/L | MW-93 | 10/16/2014 | yes | 34.6000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/06/2015 | yes | 42.6000 | | | | | |
| Nickel, total | ug/L | MW-93 | 10/01/2015 | yes | 36.0000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/14/2016 | yes | 26.5000 | | | | | |
| Nickel, total | ug/L | MW-93 | 10/13/2016 | yes | 31.8000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/10/2017 | yes | 27.3000 | | | | | |
| Nickel, total | ug/L | MW-93 | 10/09/2017 | yes | 28.2000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/17/2018 | yes | 26.2000 | | | | | |
| Nickel, total | ug/L | MW-93 | 10/22/2018 | yes | 35.7000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/22/2019 | yes | 24.2000 | | | | | |
| Nickel, total | ug/L | MW-93 | 10/23/2019 | yes | 26.3000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/10/2020 | yes | 18.1000 | | | | | |
| Nickel, total | ug/L | MW-93 | 10/19/2020 | yes | 27.6000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/05/2021 | , , , , | 23.1000 | | | 29.6231 | | |
| Nickel, total | ug/L | MW-93 | 10/08/2021 | | 21.3000 | | | 29.6231 | | |
| Nickel, total | ug/L | MW-93 | 04/06/2022 | | 20.2000 | | | 29.6231 | | |
| Nickel, total | ug/L ug/L | MW-93 | 10/25/2022 | | 27.9000 | | | 29.6231 | | |
| Nickel, total | ug/L ug/L | MW-93 | 04/11/2023 | | 31.8000 | | | 29.6231 | | |
| | | MW-93 | 10/13/2023 | | 28.8000 | | | 29.6231 | | |
| Nickel, total | ug/L | 10100-93 | 10/13/2023 | | 20.0000 | | | 29.0231 | | 1 |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|-----------------|--------------|----------------|--------------------------|------------|------------------|----------|---------|---------|----------|-----|
| Nickel, total | ug/L | MW-93 | 04/16/2024 | | 25.5000 | | | 29.6231 | | |
| Selenium, total | ug/L | MW-93 | 10/16/2014 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/01/2015 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/13/2016 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/10/2017 | ves | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/09/2017 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/17/2018 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/22/2018 | ves | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/22/2019 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/23/2019 | ves | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/10/2020 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/19/2020 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/05/2021 | , , , , | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/08/2021 | | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/06/2022 | | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/25/2022 | | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/11/2023 | | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/13/2023 | | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/16/2024 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/16/2014 | ves | 4.0000 | ND | | | | |
| Silver, total | ug/L ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L ug/L | MW-93 | 10/01/2015 | yes yes | 4.0000 | ND | | | | |
| Silver, total | ug/L ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L ug/L | MW-93 | 10/13/2016 | , | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/10/2017 | yes ves | 4.0000 | ND | | | | |
| Silver, total | | MW-93 | 10/09/2017 | , | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | | yes | 4.0000 | ND | | | | |
| | ug/L ug/L | MW-93 | 04/17/2018 10/22/2018 | yes | 4.0000 | ND | | | | |
| Silver, total | | | | yes | | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/22/2019 | yes | 4.0000 | | | | | |
| Silver, total | ug/L | MW-93 MW-93 | 10/23/2019 | yes | 4.0000 4.0000 | ND ND | | | | |
| Silver, total | ug/L | | 04/10/2020 | yes | | | | | | |
| Silver, total | ug/L | MW-93 | 10/19/2020 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/05/2021 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/08/2021 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/06/2022 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/25/2022 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/11/2023 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/13/2023 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/16/2024 | | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/16/2014 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | 4 0000 | *** |
| Thallium, total | ug/L | MW-93 | 10/01/2015 | yes | 1.0000 | ND | | | 4.0000 | |
| Thallium, total | ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/13/2016 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/10/2017 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/09/2017 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/17/2018 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/22/2018 | yes | 4.0000 | ND | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|-----------------|-------|-------|------------|------------|---------|----|---------|-------|----------|-----|
| Thallium, total | ug/L | MW-93 | 04/22/2019 | yes | 2.0000 | ND | | | 4.0000 | *** |
| Thallium, total | ug/L | MW-93 | 10/23/2019 | yes | 2.0000 | ND | | | 4.0000 | *** |
| Thallium, total | ug/L | MW-93 | 04/10/2020 | yes | 2.0000 | ND | | | 4.0000 | *** |
| Thallium, total | ug/L | MW-93 | 10/19/2020 | yes | 2.0000 | ND | | | 4.0000 | *** |
| Thallium, total | ug/L | MW-93 | 04/05/2021 | - | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/08/2021 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/06/2022 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/25/2022 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/11/2023 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/13/2023 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/16/2024 | | 2.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/16/2014 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/06/2015 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/01/2015 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/14/2016 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/13/2016 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/10/2017 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/09/2017 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/17/2018 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/22/2018 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/22/2019 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/23/2019 | ves | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/10/2020 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/19/2020 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/05/2021 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/08/2021 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/06/2022 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/25/2022 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/11/2023 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/13/2023 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/16/2024 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/16/2014 | yes | 20.0000 | ND | | | 8.0000 | *** |
| Zinc, total | ug/L | MW-93 | 04/06/2015 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/01/2015 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 04/14/2016 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/13/2016 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 04/10/2017 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/09/2017 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 04/17/2018 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/22/2018 | yes | 20.0000 | ND | | | 8.0000 | *** |
| Zinc, total | ug/L | MW-93 | 04/22/2019 | yes | 20.0000 | ND | | | 8.0000 | *** |
| Zinc, total | ug/L | MW-93 | 10/23/2019 | yes | 34.2000 | | | | | |
| Zinc, total | ug/L | MW-93 | 04/10/2020 | yes | 20.0000 | ND | | | 8.0000 | *** |
| Zinc, total | ug/L | MW-93 | 10/19/2020 | yes | 20.0000 | ND | | | 8.0000 | *** |
| Zinc, total | ug/L | MW-93 | 04/05/2021 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/08/2021 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 04/06/2022 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/25/2022 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 04/11/2023 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/13/2023 | | 20.0000 | ND | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

| Constituent | Units | Well | Date | Background | Result | Outlier | CUSUM | Adjusted | |
|-------------|-------|-------|------------|------------|---------|---------|-------|----------|--|
| Zinc, total | ug/L | MW-93 | 04/16/2024 | | 21.4000 | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

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 | Туре | Conf | |
|------------------|-------|--------|---------|--------|--------|----------|----------|----------|----------|----------|----------|-----------|----------|------|----|
| Antimony, total | ug/L | MW-96R | 5 | 2 | 7 | | | | | | | | nonpar * | | ** |
| Arsenic, total | ug/L | MW-96R | 8 | 2 | 10 | 18.4375 | 12.9037 | 15.0000 | 4.0000 | 18.4375 | 18.4375 | 76.5042 | normal | | |
| Barium, total | ug/L | MW-96R | 6 | 2 | 8 | 630.0000 | 325.9945 | 576.0000 | 124.0000 | 630.0000 | 630.0000 | 2096.9752 | normal | | |
| Beryllium, total | ug/L | MW-96R | 5 | 2 | 7 | | | | | | | | nonpar * | | ** |
| Cadmium, total | ug/L | MW-96R | 5 | 2 | 7 | | | | | | | | nonpar * | | ** |
| Chromium, total | ug/L | MW-96R | 5 | 2 | 7 | | | | | | | | nonpar * | | ** |
| Cobalt, total | ug/L | MW-96R | 7 | 2 | 10 | 11.4286 | 2.7669 | 10.6000 | 1.8000 | 11.4286 | 11.4286 | 23.8796 | normal | | |
| Copper, total | ug/L | MW-96R | 5 | 2 | 7 | | | | | | | | nonpar * | | ** |
| Lead, total | ug/L | MW-96R | 5 | 2 | 7 | | | | | | | | nonpar * | | ** |
| Nickel, total | ug/L | MW-96R | 5 | 2 | 7 | 6.3200 | 1.6115 | 4.6000 | 5.3000 | 6.3200 | 6.3200 | 13.5718 | normal | | |
| Selenium, total | ug/L | MW-96R | 6 | 2 | 8 | 5.4833 | 2.3345 | 4.0000 | 7.4000 | 5.4833 | 5.4833 | 15.9884 | normal | | |
| Silver, total | ug/L | MW-96R | 5 | 2 | 7 | | | | | | | | nonpar * | | ** |
| Thallium, total | ug/L | MW-96R | 5 | 2 | 7 | | | | | | | | nonpar * | | ** |
| Vanadium, total | ug/L | MW-96R | 5 | 2 | 7 | | | | | | | | nonpar * | | ** |
| Zinc, total | ug/L | MW-96R | 5 | 2 | 7 | | | | | | | | nonpar * | | ** |

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.

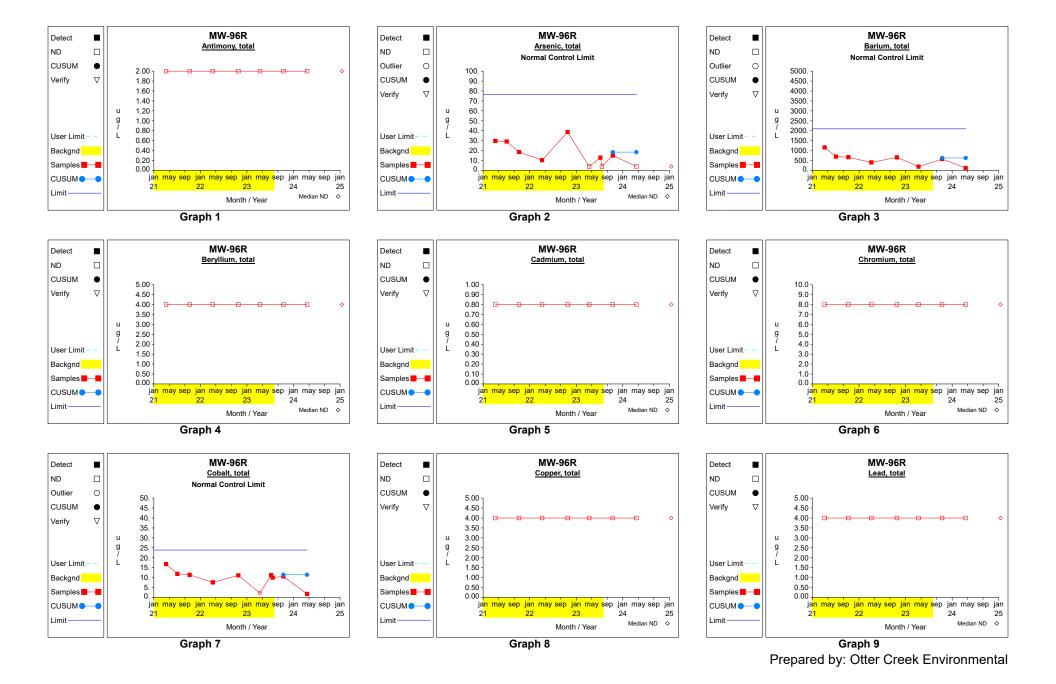
Conf = conflictor Petrol Petro

^{* -} Insufficient Data.

^{** -} Detection Frequency < 25%.

^{*** -} Zero Variance.

Intra-Well Control Charts / Prediction Limits



Intra-Well Control Charts / Prediction Limits

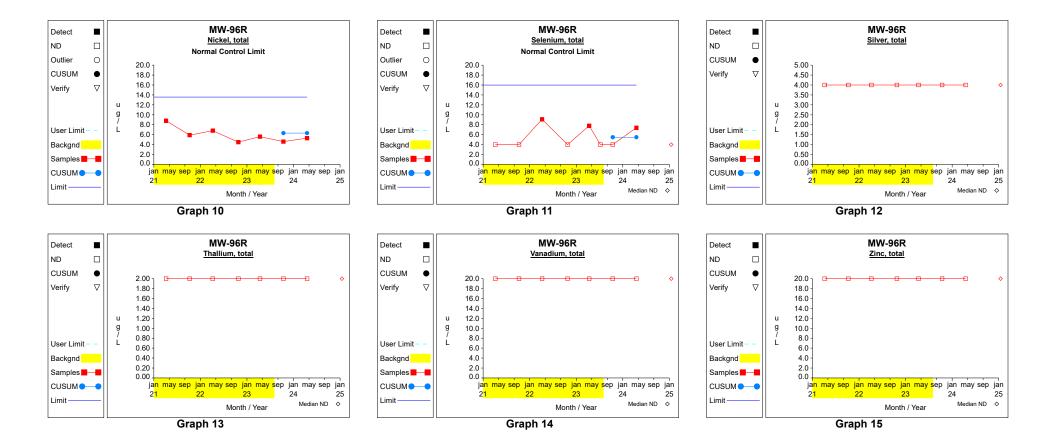


Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|------------------|--------------|--------|------------|------------|-----------|----------|---------|----------|----------|---|
| Antimony, total | ug/L | MW-96R | 04/05/2021 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 10/08/2021 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 04/06/2022 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 10/25/2022 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 04/11/2023 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 10/13/2023 | , | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 04/16/2024 | | 2.0000 | ND | | | | |
| Arsenic, total | ug/L | MW-96R | 04/05/2021 | yes | 29.8000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 07/02/2021 | ves | 29.1000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 10/08/2021 | yes | 18.6000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 04/06/2022 | yes | 10.4000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 10/25/2022 | yes | 38.7000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 04/11/2023 | yes | 4.0000 | ND | | | | |
| Arsenic, total | ug/L | MW-96R | 07/07/2023 | ves | 12.9000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 07/20/2023 | yes | 4.0000 | ND | | | | |
| Arsenic, total | ug/L | MW-96R | 10/13/2023 | , , , | 15.0000 | .,, | | 18.4375 | | |
| Arsenic, total | ug/L | MW-96R | 04/16/2024 | | 4.0000 | ND | | 18.4375 | | |
| Barium, total | ug/L | MW-96R | 04/05/2021 | ves | 1160.0000 | .,, | | 10.1070 | | |
| Barium, total | ug/L | MW-96R | 07/02/2021 | yes | 696.0000 | | | | | |
| Barium, total | ug/L | MW-96R | 10/08/2021 | yes | 667.0000 | | | | | |
| Barium, total | ug/L | MW-96R | 04/06/2022 | yes | 406.0000 | | | | | |
| Barium, total | ug/L ug/L | MW-96R | 10/25/2022 | yes | 661.0000 | | | | | |
| Barium, total | | MW-96R | 04/11/2023 | | 190.0000 | | | | | |
| Barium, total | ug/L ug/L | MW-96R | 10/13/2023 | yes | 576.0000 | | | 630.0000 | | |
| Barium, total | ug/L ug/L | MW-96R | 04/16/2024 | | 124.0000 | | | 630.0000 | | |
| Beryllium, total | ug/L | MW-96R | 04/05/2021 | yes | 4.0000 | ND | | 030.0000 | | |
| Beryllium, total | | MW-96R | 10/08/2021 | , | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-96R | 04/06/2022 | yes | 4.0000 | ND | | | | |
| | ug/L | | | yes | | | | | | |
| Beryllium, total | ug/L | MW-96R | 10/25/2022 | yes | 4.0000 | ND ND | | | | |
| Beryllium, total | ug/L | MW-96R | 04/11/2023 | yes | 4.0000 | | | | | |
| Beryllium, total | ug/L | MW-96R | 10/13/2023 | | 4.0000 | ND ND | | | | |
| Beryllium, total | ug/L | MW-96R | 04/16/2024 | | 4.0000 | | | | | - |
| Cadmium, total | ug/L | MW-96R | 04/05/2021 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 10/08/2021 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 04/06/2022 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 10/25/2022 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 04/11/2023 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 10/13/2023 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 04/16/2024 | | 0.8000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 04/05/2021 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 10/08/2021 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 04/06/2022 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 10/25/2022 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 04/11/2023 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 10/13/2023 | | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 04/16/2024 | | 8.0000 | ND | | | | _ |
| Cobalt, total | ug/L | MW-96R | 04/05/2021 | yes | 16.8000 | | | | | |
| Cobalt, total | ug/L | MW-96R | 07/02/2021 | yes | 11.9000 | | | | | |
| Cobalt, total | ug/L | MW-96R | 10/08/2021 | yes | 11.4000 | | | | | |
| Cobalt, total | ug/L | MW-96R | 04/06/2022 | yes | 7.6000 | | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|--------------------------------|--------------|--------|------------|------------|---------|-----|---------|---------|----------|---|
| Cobalt, total | ug/L | MW-96R | 10/25/2022 | ves | 11.1000 | | Gutiloi | 0000 | rajuotou | |
| Cobalt, total | ug/L ug/L | MW-96R | 04/11/2023 | yes | 2.2000 | | yes | | | * |
| Cobalt, total | ug/L ug/L | MW-96R | 07/07/2023 | ves | 11.2000 | | yes | | | |
| | | MW-96R | | , | 10.0000 | | | | | |
| Cobalt, total | ug/L | | 07/20/2023 | yes | | | | 44 4000 | | |
| Cobalt, total | ug/L | MW-96R | 10/13/2023 | | 10.6000 | | | 11.4286 | | |
| Cobalt, total | ug/L | MW-96R | 04/16/2024 | | 1.8000 | ND | | 11.4286 | | |
| Copper, total | ug/L | MW-96R | 04/05/2021 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 10/08/2021 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 04/06/2022 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 10/25/2022 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 04/11/2023 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 10/13/2023 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 04/16/2024 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 04/05/2021 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 10/08/2021 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 04/06/2022 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 10/25/2022 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 04/11/2023 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 10/13/2023 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 04/16/2024 | | 4.0000 | ND | | | | |
| Nickel, total | ug/L | MW-96R | 04/05/2021 | yes | 8.8000 | | | | | |
| Nickel, total | ug/L | MW-96R | 10/08/2021 | yes | 5.9000 | | | | | |
| Nickel, total | ug/L | MW-96R | 04/06/2022 | ves | 6.8000 | | | | | |
| Nickel, total | ug/L | MW-96R | 10/25/2022 | yes | 4.5000 | | | | | |
| Nickel, total | ug/L | MW-96R | 04/11/2023 | yes | 5.6000 | | | | | |
| Nickel, total | ug/L | MW-96R | 10/13/2023 | , | 4.6000 | | | 6.3200 | | |
| Nickel, total | ug/L | MW-96R | 04/16/2024 | | 5.3000 | | | 6.3200 | | |
| Selenium, total | ug/L | MW-96R | 04/05/2021 | yes | 4.0000 | ND | | 0.0200 | | |
| Selenium, total | ug/L | MW-96R | 10/08/2021 | ves | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-96R | 04/06/2022 | yes | 9.1000 | | | | | |
| Selenium, total | ug/L | MW-96R | 10/25/2022 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-96R | 04/11/2023 | yes | 7.8000 | .,, | | | | |
| Selenium, total | ug/L | MW-96R | 07/07/2023 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L ug/L | MW-96R | 10/13/2023 | yes | 4.0000 | ND | | 5.4833 | | |
| Selenium, total | ug/L ug/L | MW-96R | 04/16/2024 | | 7.4000 | ND | | 5.4833 | | |
| Silver, total | ug/L ug/L | MW-96R | 04/05/2021 | yes | 4.0000 | ND | | 3.4033 | | |
| Silver, total | ug/L ug/L | MW-96R | 10/08/2021 | ves | 4.0000 | ND | | | | |
| Silver, total | ug/L ug/L | MW-96R | 04/06/2022 | , | 4.0000 | ND | | | | |
| , | | MW-96R | 10/25/2022 | yes | 4.0000 | ND | | | | |
| Silver, total Silver. total | ug/L | MW-96R | 04/11/2023 | yes | 4.0000 | ND | | | | |
| | ug/L | | | yes | | | | | | |
| Silver, total | ug/L | MW-96R | 10/13/2023 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-96R | 04/16/2024 | | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 04/05/2021 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 10/08/2021 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 04/06/2022 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 10/25/2022 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 04/11/2023 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 10/13/2023 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 04/16/2024 | | 2.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 04/05/2021 | yes | 20.0000 | ND | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|-----------------|-------|--------|------------|------------|---------|----|---------|-------|----------|---|
| Vanadium, total | ug/L | MW-96R | 10/08/2021 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 04/06/2022 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 10/25/2022 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 04/11/2023 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 10/13/2023 | - | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 04/16/2024 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 04/05/2021 | yes | 20.0000 | ND | | | | П |
| Zinc, total | ug/L | MW-96R | 10/08/2021 | yes | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 04/06/2022 | yes | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 10/25/2022 | yes | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 04/11/2023 | yes | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 10/13/2023 | - | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 04/16/2024 | | 20.0000 | ND | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

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 | | 04/05/2021-07/20/2023 | 8 | 0.6808 |

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

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

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

Attachment F

Summary Table of Historical VOC Detections

marshall2024s1 May 2024

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 | |
| 1,1-dichloroethane | GU-2 | 4/04/2011 | | 4.6 | | ug/L |
| Benzene | GU-2 | 10/08/2010 | | 1.6 | | ug/L |
| Benzene | GU-2 | 4/04/2011 | | 2.3 | | ug/L |
| Chloroethane | GU-2 | 10/08/2010 | | 4.9 | | ug/L |
| Chloroethane | GU-2 GU-2 | 4/04/2011 10/08/2010 | | 6.8 2.9 | | ug/L |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | GU-2 GU-2 | 4/04/2011 | | 2.8 | | ug/L ug/L |
| Vinyl chloride | GU-2 | 10/08/2010 | | 4.3 | | ug/L ug/L |
| Vinyl chloride | GU-2 | 4/04/2011 | | 3.4 | | ug/L |
| 1.1-dichloroethane | GU-3 | 8/11/2011 | | 2.8 | | ug/L |
| Benzene | GU-3 | 8/11/2011 | | 3.5 | | ug/L |
| Chloroethane | GU-3 | 8/11/2011 | | 7.4 | | ug/L |
| Cis-1,2-dichloroethylene | GU-3 | 8/11/2011 | | 3.6 | | ug/L |
| Vinyl chloride | GU-3 | 8/11/2011 | | 4.6 | | ug/L |
| 1,1-dichloroethane | LW-75 | 4/11/2023 | | 3.8 | 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 | | ug/L |
| 4-methyl-2-pentanone (mibk) | LW-75 | 4/11/2023 | | 11.6 | | ug/L |
| Acetone | LW-75 | 10/19/2020 | | 17.0 | | ug/L |
| Acetone | LW-75 | 4/05/2021 | | 15.5 | | ug/L |
| Benzene | LW-75 | 1/15/2019 | | 7.8 | | ug/L |
| Benzene | LW-75 | 10/19/2020 | | 3.4 | | ug/L |
| Benzene | LW-75 | 4/05/2021 | | 4.8 | | ug/L |
| Benzene | LW-75 | 4/06/2022 | | 5.2 | | ug/L |
| Benzene | LW-75 | 4/11/2023 | | 9.4 | | ug/L |
| Carbon disulfide | LW-75 | 4/11/2023 | | 2.1 | | ug/L |
| Chloroethane | LW-75 | 10/19/2020 | | 1.6 4.2 | | ug/L |
| Chloroethane Chloroethane | LW-75 | 4/05/2021 | | 3.8 | | ug/L |
| Chloroethane | LW-75 LW-75 | 4/06/2022 4/11/2023 | | 1.9 | | ug/L ug/L |
| Cis-1,2-dichloroethylene | LW-75 | 4/05/2021 | | 1.0 | | ug/L ug/L |
| Cis-1,2-dichloroethylene | LW-75 | 4/11/2023 | | 5.4 | | ug/L ug/L |
| Ethylbenzene | LW-75 | 1/15/2019 | | 77.8 | | ug/L |
| Ethylbenzene | LW-75 | 1/07/2020 | | 48.4 | | ug/L |
| Ethylbenzene | LW-75 | 10/19/2020 | | 38.6 | | ug/L |
| Ethylbenzene | LW-75 | 4/05/2021 | | 39.9 | | ug/L |
| Ethylbenzene | LW-75 | 4/06/2022 | | 35.3 | | ug/L |
| Ethylbenzene | LW-75 | 4/11/2023 | | 275.0 | | ug/L |
| Methylene chloride | LW-75 | 4/11/2023 | | 33.1 | | ug/L |
| Styrene | LW-75 | 4/11/2023 | | 1.6 | 1.0 | ug/L |
| Toluene | LW-75 | 4/06/2022 | | 2.5 | 1.0 | ug/L |
| Toluene | LW-75 | 4/11/2023 | | 73.8 | | ug/L |
| Vinyl chloride | LW-75 | 4/11/2023 | | 3.4 | | ug/L |
| Xylenes, total | LW-75 | 1/15/2019 | | 86.0 | | ug/L |
| Xylenes, total | LW-75 | 1/07/2020 | | 65.2 | | ug/L |
| Xylenes, total | LW-75 | 10/19/2020 | | 49.2 | | ug/L |
| Xylenes, total | LW-75 | 4/05/2021 | | 71.4 | | ug/L |
| Xylenes, total | LW-75 | 4/06/2022 | | 62.1 | | ug/L |
| Xylenes, total 1,1-dichloroethane | LW-75 MW-205 | 4/11/2023 | | 161.0 10.2 | 2.0 | ug/L |
| 1,1-dichloroethane | MW-205 | 10/14/2016 4/10/2017 | | 7.1 | 1.0 | ug/L ug/L |
| 1,1-dichloroethane | MW-205 | 10/09/2017 | | 7.1 | | ug/L ug/L |
| 1,1-dichloroethane | MW-205 | 4/17/2018 | | 7.7 | | ug/L ug/L |
| 1,1-dichloroethane | MW-205 | 10/22/2018 | | 3.3 | | ug/L ug/L |
| 1,1-dichloroethane | MW-205 | 4/22/2019 | | 5.7 | | ug/L ug/L |
| 1,1-dichloroethane | MW-205 | 10/23/2020 | | 4.8 | 1.0 | |
| 1.1-dichloroethane | MW-205 | 4/05/2021 | | 2.8 | | ug/L ug/L |
| 1,2-dichlorobenzene | MW-205 | 4/17/2018 | | 1.1 | | ug/L ug/L |
| 1,2-dichloropropane | MW-205 | 4/10/2017 | | 2.0 | | ug/L |
| 1,2-dichloropropane | MW-205 | 4/17/2018 | | 3.3 | | ug/L |
| 1,2-dichloropropane | MW-205 | 4/22/2019 | | 1.3 | | ug/L |
| 1,2-dichloropropane | MW-205 | 4/05/2021 | | 1.4 | | ug/L |
| 1,4-dichlorobenzene | MW-205 | 10/14/2016 | | 7.2 | | ug/L |
| 1,4-dichlorobenzene | MW-205 | 4/10/2017 | | 8.5 | | ug/L |
| 1,4-dichlorobenzene | MW-205 | 10/09/2017 | | 8.0 | | ug/L |
| 1,4-dichlorobenzene | MW-205 | 4/17/2018 | | 11.9 | | ug/L |
| 1,4-dichlorobenzene | MW-205 | 10/22/2018 | | 9.4 | | ug/L |
| 1,4-dichlorobenzene | MW-205 | 10/23/2020 | | 8.7 | | ug/L |
| 1,4-dichlorobenzene | MW-205 | 4/05/2021 | | 10.2 | 1.0 | |
| Acetone | MW-205 | 10/09/2017 | | 22.2 | | ug/L |
| Benzene | MW-205 | 4/02/2008 | | 4.6 | 1.0 | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--------------------------------|--------|------------|------------|--------|-------|--------------|
| 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 |
| 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 | | ug/L |
| Trichloroethylene | MW-205 | 4/17/2018 | | 1.7 | 1.0 | |
| 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 |
| 1,2-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 |
| | MW-213 | 10/13/2023 | | 4.1 | 1.0 | ug/L ug/L |
| 1 Z-dichioropropane | | | | | 1.0 | |
| 1,2-dichloropropane Benzene | MW-213 | 10/25/2022 | | 1.1 | 1.0 | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|------------------|------------------------|------------|------------|-------|--------------|
| Benzene | MW-213 | 10/13/2023 | | 1.4 | 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 | |
| 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 MW-213 | 4/05/2021 | | 37.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | | 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 | |
| Cis-1,2-dichloroethylene | MW-213 | 10/13/2023 | | 32.6 | 1.0 | ug/L |
| /inyl chloride | MW-213 | 10/23/2020 | | 1.4 | 1.0 | ug/L |
| /inyl chloride | MW-213 | 4/05/2021 | | 3.0 | 1.0 | |
| /inyl chloride | MW-213 | 4/06/2022 | | 2.4 | 1.0 | ug/L |
| /inyl chloride | MW-213 | 10/25/2022 | | 3.1 | 1.0 | ug/L |
| /inyl chloride | MW-213 | 4/10/2023 | | 2.5 | 1.0 | ug/L |
| /inyl chloride | MW-213 | 10/13/2023 | | 4.3 | 1.0 | |
| I,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 | |
| 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 |
| 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 | |
| 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 | | ug/L |
| Frichloroethylene | MW-214 | 10/09/2017 | | 2.8 | 1.0 | |
| Frichloroethylene | MW-214 | 4/17/2018 | | 2.6 | | ug/L |
| Trichloroethylene | MW-214 | 4/22/2019 | | 3.3 | | ug/L |
| Frichloroethylene | MW-214 | 10/23/2020 | | 5.8 | 1.0 | ug/L |
| Frichloroethylene | MW-214 | 4/05/2021 | | 2.9 | | ug/L |
| 1,1,1-trichloroethane | MW-49 | 10/23/1992 | | 10.5 | 1.0 | |
| I,1,1-trichloroethane | MW-49 | 1/21/1993 | | 17.7 | | ug/L |
| 1,1,1-trichloroethane | MW-49 | 4/22/1993 | | 14.7 | | ug/L |
| I,1,1-trichloroethane | MW-49 | 7/13/1993 | | 11.4 | 1.0 | |
| 1,1,1-trichloroethane | MW-49 | 1/25/1994 | | 18.1 | | ug/L |
| I,1,1-trichloroethane | MW-49 | 4/14/1994 | | 12.8 | | ug/L |
| 1,1,1-trichloroethane | MW-49 | 7/08/1994 | | 10.1 | 1.0 | |
| 1.1.1-trichloroethane | MW-49 | 10/20/1994 | | 7.5 | | ug/L |
| 1,1,1-trichloroethane | MW-49 | 1/04/1995 | | 8.0 | | ug/L |
| 1,1,1-trichloroethane | MW-49 | 4/21/1995 | | 9.0 | 1.0 | |
| 1,1,1-trichloroethane | MW-49 | 7/07/1995 | | 9.8 | | ug/L ug/L |
| 1, 1, 1-trichloroethane | MW-49 | 10/12/1995 | | 9.6 | | ug/L ug/L |
| 1,1,1-trichloroethane | | | | | | ug/L ug/L |
| | MW-49 | 1/10/1996 | | 8.1 | | |
| 1,1,1-trichloroethane | MW-49 | 7/17/1996 | | 4.5 | 1.0 | |
| 1,1,1-trichloroethane | MW-49 | 10/08/1996 | | 5.2 | | ug/L |
| 1,1,1-trichloroethane | MW-49 | 1/21/1997 | | 2.7 | | ug/L |
| 1,1,1-trichloroethane | MW-49 | 4/11/1997 | | 2.3 | 1.0 | |
| | N 41 A / 4 A | | | | | |
| 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane | MW-49 MW-49 | 1/27/1998 1/06/2000 | | 2.8 1.0 | | ug/L ug/L |

Table 1
Historical Volatile Organic Compound Detections

| 1.1-dichloroethane MW-49 3728/2008 2.9 1.0 ug/L 1.1-dichloroethane MW-49 804/2008 2.7 1.0 ug/L 1.1-dichloroethane MW-49 804/2008 2.7 1.0 ug/L 1.1-dichloroethane MW-49 4/02/2009 2.6 1.0 ug/L 1.1-dichloroethane MW-49 4/02/2010 3.0 1.0 ug/L 1.1-dichloroethane MW-49 4/02/2011 2.0 1.0 ug/L 1.1-dichloroethane MW-49 4/02/2011 2.0 1.0 ug/L 1.1-dichloroethane MW-49 4/02/2013 2.0 1.0 ug/L 1.1-dichloroethane MW-49 4/02/2013 2.0 1.0 ug/L 1.1-dichloroethane MW-49 4/04/2013 2.0 1.0 ug/L 1.1-dichloroethane MW-49 4/04/2014 2.2 1.0 ug/L 1.1-dichloroethane MW-49 4/04/2014 1.1 ug/L 1.1-dichloroethane MW-49 4/04/2015 1.5 1.0 ug/L 1.1-dichloroethane MW-49 4/14/2016 1.3 1.0 ug/L 1.1-dichloroethane MW-49 4/10/2017 1.7 1.0 ug/L 1.1-dichloroethane MW-49 4/10/2017 1.7 1.0 ug/L 1.1-dichloroethane MW-49 4/10/2017 1.7 1.0 ug/L 1.1-dichloroethane MW-49 4/10/2019 2.6 1.0 ug/L 1.1-dichloroethane MW-49 4/10/2019 2.6 1.0 ug/L 1.1-dichloroethane MW-49 4/10/2019 2.6 1.0 ug/L 1.1-dichloroethane MW-49 4/10/2010 2.6 1.0 ug/L 1.1-dichloroethane MW-49 4/10/2020 2.6 1.0 ug/L 1.1-di | Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|------------------------|-------|------------|------------|--------|-------|-------|
| 1,1-dichloroethane | | | | | | | |
| 1.1-dichloroethane | | | | | | | |
| 1,-1-dichloroethane | | | | | | | |
| 1,-1-dichloroethane | | | | | | | |
| 1.1-dichloroethane | | | | | | | |
| 1.1-dichloroethane | | | | | | | |
| 1.1-dichloroethane | , | 1 | 1 | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1.1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | 1 | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1.1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | 1 | | | | |
| 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 10/13/2020 2,5 1,0 ug/L 1,1-dichloroethane MW-49 10/13/2021 1,4 1,0 ug/L 1,1-dichloroethane MW-49 10/13/2021 1,4 1,0 ug/L 1,1-dichloroethane MW-49 10/08/2021 1,4 1,0 ug/L 1,1-dichloroethane MW-49 10/08/2022 1,0 1,0 ug/L 1,1-dichloroethane MW-49 10/08/2022 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 10/25/2022 1,7 1,0 ug/L 1,1-dichloroethane MW-49 10/13/2023 1,4 1,0 ug/L 1,1-dichloroethane MW-49 10/13/2023 1,4 1,0 ug/L 1,1-dichloroethane MW-49 4/11/2023 1,6 1,0 ug/L 1,1-dichloroethane MW-49 10/13/2023 1,6 1,0 ug/L 1,1-dichloroethane MW-49 10/13/2023 1,6 1,0 ug/L 1,1-dichloroethylene MW-49 10/13/2023 1,0 ug/L 1,1-dichloroethylene MW-49 10/13/2001 1,1 ug/L 1,1-dichloroethylene MW-49 10/18/2001 9,1 ug/L 1,1-dichloroethylene MW-49 70/71/995 1,2 ug/L 1,1-dichloroethylene MW-49 10/18/2001 9,1 ug/L 2,-dichloroethane MW-49 10/18/2001 1,1 ug/L 2,-dichloroethane MW-49 10/08/2000 1,7 1,0 ug/L 2,-dichloroethane MW-49 10/08/2000 1,3 1,0 ug/L 2,-dichloroethane MW-49 10/08/2000 1,3 1,0 ug/L 2,-dichloroethane MW-49 10/08/2000 1,4 1,0 ug/L 2,-dichloroethane MW-49 10/08/2000 1,4 1,0 ug/L 2,-dichloroethane MW-49 10/18/2001 1,1 ug/L 2,-dichloroethane MW-49 10/18/2000 1,0 ug/L 2,-dichloroethane MW-49 10/18/2001 1,1 ug/L 2,-dichloroethane MW-49 10/18/2000 1,3 1,0 ug/L 2,-dichloroethane MW-49 10/18/2000 1,0 ug/L 2,-dichloroethane MW-49 10/18/2001 | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,-1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | 1,1-dichloroethane | MW-49 | 4/10/2020 | | | 1.0 | ug/L |
| 1,1-dichloroethane MW-49 4/06/2022 1.9 1.0 ug/L 1,1-dichloroethane MW-49 4/06/2022 1.7 1.0 ug/L 1,1-dichloroethane MW-49 4/06/2022 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 4/17/2024 1.1 1.0 ug/L 1,1-dichloroethylene MW-49 4/17/2024 1.1 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 1,1-dichloroethane MW-49 10/18/2001 9.1 1.0 ug/L 1,2-dichloroethane MW-49 10/08/2000 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 4/27/2001 1.1 1.0 ug/L 1,2-dichloroethane MW-49 4/27/2001 1.1 1.0 ug/L 1,2-dichloroethane MW | 1,1-dichloroethane | MW-49 | 10/19/2020 | | 2.5 | 1.0 | ug/L |
| 1,1-dichloroethane | 1,1-dichloroethane | MW-49 | 4/05/2021 | | 1.4 | 1.0 | |
| 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 1/13/2023 1.6 1.0 ug/L 1,1-dichloroethylene MW-49 1/15/1994 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 7/07/1995 1.2 1.0 ug/L 1,2-dichloroethane MW-49 10/18/2001 1.7 1.0 ug/L 1,2-dichloroethane MW-49 10/18/2000 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 10/18/2001 1.1 1.0 ug/L 1,2-dichloroethane MW-49 1/23/2001 1.4 1.0 ug/L <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | |
| 1,1-dichloroethane | 1,1-dichloroethane | MW-49 | 4/06/2022 | | 1.0 | 1.0 | |
| 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-dichloroethylene MW-49 1/17/2024 1,1 1,0 ug/L 1,1-dichloroethylene MW-49 1/25/1994 3,9 1,0 ug/L 1,1-dichloroethylene MW-49 10/18/2001 9,1 1,0 ug/L 1,1-dichloroethylene MW-49 10/18/2001 9,1 1,0 ug/L 1,2-dichloroethane MW-49 10/18/2000 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 9/11/2000 1,3 1,0 ug/L 1,2-dichloroethane MW-49 9/12/2001 1,1 1,0 ug/L 1,2-dichloroethane MW-49 1/25/2002 1,0 1,0 1,0 1,2-dichloroethane MW-49 1/12/2002 1,0 1,0 1,0 1,2-dichlorobenzene MW-49 10/10/2007 6 5,0 1,0 | | MW-49 | | | | | |
| 1.1-dichloroethane MW-49 4/17/2024 1.6 1.0 ug/L 1.1-dichloroethylene MW-49 4/17/2024 1.1 1.0 ug/L 1.1-dichloroethylene MW-49 7/07/1995 1.2 1.0 ug/L 1.1-dichloroethylene MW-49 7/07/1995 1.2 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 7/05/2000 1.7 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 1/25/2002 1.0 1.0 ug/L 1.2-dichloroethane MW-49 10/10/2007 6 5 ug/L 1.2-dichloroethane MW-49 10/10/2007 6 5 ug/L | | MW-49 | 4/11/2023 | | | | |
| 1,1-dichloroethane MW-49 4/17/2024 1,1 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-dichloroethane 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 9/11/2000 1.3 1.0 ug/L 1,2-dichloroethane MW-49 9/11/2000 1.3 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 10/14/2002 1.2 1.0 ug/L 1,2-dichloroethane MW-49 10/14/2002 1.2 1.0 ug/L 1,2-dichlorobenzene MW-49 10/10/2007 .6 5. 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 10/08/2000 1.4 1.0 ug/L 1,2-dichloroethane MW-49 10/08/2000 1.4 1.0 ug/L 1,2-dichloroethane MW-49 7/23/2001 1.4 1.0 ug/L 1,2-dichloroethane MW-49 10/14/2002 1.2 1.0 ug/L 1,2-dichlorobentane MW-49 10/10/2007 6 5 ug/L 1,2-dichlorobenzene MW-49 3/28/2008 6.3 1.0 ug/L 1,4-dichlorobenzene MW-49 8/04/2008 7.8 1.0 ug/L < | , | | 1 | | - 1 | | |
| 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 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 9/11/2000 1.3 1.0 ug/L 1,2-dichloroethane MW-49 4/27/2001 1.1 1.0 ug/L 1,2-dichloroethane MW-49 4/27/2001 1.1 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 10/14/2002 1.2 1.0 ug/L 1,2-dichlorobenzene MW-49 3/28/2008 6.3 1.0 ug/L 1,4-dichlorobenzene MW-49 8/27/2008 7.8 1.0 ug/L <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<> | | | | | | | |
| 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 7/23/2001 1.4 1.0 ug/L 1,2-dichloroethane MW-49 10/14/2002 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 8/04/2008 9.0 1.0 ug/L 1,4-dichlorobenzene MW-49 10/03/2008 8.3 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 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 10/14/2002 1.2 1.0 ug/L 1,2-dichlorobenzene 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 8/04/2008 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 10/03/2008 8.3 1.0 ug/L | | | 1 | | | | |
| 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 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 10/14/2002 1.2 1.0 ug/L 1,2-dichloroethane MW-49 10/14/2002 1.2 1.0 ug/L 1,4-dichlorobenzene MW-49 3/28/2008 6.3 1.0 ug/L 1,4-dichlorobenzene MW-49 8/04/2008 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 12/08/2008 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 10/28/2008 7.8 1.0 ug/L <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | |
| 1,2-dichloroethane 1,4-dichlorobenzene 1,4-dichlo | | | | | | - | |
| 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 10/14/2002 1.2 1.0 ug/L 1,4-dichlorobenzene MW-49 3/28/2008 6.3 1.0 ug/L 1,4-dichlorobenzene MW-49 8/04/2008 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 10/03/2008 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 10/03/2008 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 10/03/2008 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 10/02/2008 8.8 1.0 ug/L | | | | | | | |
| 1,2-dichloroethane MW-49 4/27/2001 1.1 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 1.0 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 10/03/2008 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 10/02/2009 8.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/02/2009 8.9 1.0 ug/L 1,4-dichlorobenzene MW-49 4/02/2010 9.2 1.0 ug/L 1,4-d | | | | | | | |
| 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 5.5 ug/L 1,4-dichlorobenzene MW-49 3/28/2008 6.3 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 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 12/08/2008 7.8 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 10/08/2010 9.2 1.0 ug/L 1,4-dichlorobenzene MW-49 4/05/2011 8.1 1.0 ug/L | | | | | | | |
| 1,2-dichloroethane MW-49 1/25/2002 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 8/04/2008 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 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 10/03/2008 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 4/02/2009 8.9 1.0 ug/L 1,4-dichlorobenzene MW-49 4/05/2011 8.1 1.0 ug/L 1,4-dichlorobenzene MW-49 4/05/2011 8.1 1.0 ug/L 1,4-d | | | | | | | |
| 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 12/08/2009 8.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/02/2009 8.9 1.0 ug/L 1,4-dichlorobenzene MW-49 4/02/2009 8.9 1.0 ug/L 1,4-dichlorobenzene MW-49 4/05/2010 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 4/10/2012 8.4 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 4/02/2009 8.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/20/2019 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 4/05/2011 8.1 1.0 ug/L 1,4-dichlorobenzene MW-49 4/05/2011 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 4/10/2013 7.2 1.0 ug/L < | | | | | | | |
| 1,4-dichlorobenzene MW-49 6/27/2008 7.8 1.0 ug/L ug/L ug/L ug/L ug/L ug/L ug/L 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 4/02/2010 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 10/08/2011 8.1 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2012 8.4 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2012 8.4 1.0 ug/L 1,4-dichlorobenzene MW-49 4/04/2013 10.9 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2014 4.9 1.0 ug/L | | | 1 | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | , | | | | | | |
| 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 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 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 10/09/2012 8.4 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 4/06/2015 8.7 1.0 ug/L 1,4-dichlorobenzene MW-49 4/06/2015 8.7 1.0 ug/L <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 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 10/16/2013 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2014 4.9 1.0 ug/L 1,4-dichlorobenzene MW-49 4/06/2015 8.7 1.0 ug/L 1,4-dichlorobenzene MW-49 4/14/2016 8.9 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2015 8.6 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 10/08/2011 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 4/10/2013 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 4/06/2015 8.7 1.0 ug/L 1,4-dichlorobenzene MW-49 4/14/2016 8.9 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2017 7.8 1.0 | , | | | | | | |
| 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 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 4/10/2016 8.9 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2017 7.8 1.0 | | | | | | | |
| 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 4/06/2015 8.7 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2015 8.6 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2015 8.9 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2017 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2017 5.8 1.0 | | | | | | | |
| 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 4/10/2014 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 4/10/2015 8.6 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2016 8.9 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2017 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/17/2018 1.8 1.0 | | | | | | 1.0 | ug/L |
| ,4-dichlorobenzene MW-49 10/06/2011 4.9 1.0 ug/L ,4-dichlorobenzene MW-49 4/10/2012 8.4 1.0 ug/L ,4-dichlorobenzene MW-49 10/09/2012 1.8 1.0 ug/L ,4-dichlorobenzene MW-49 4/04/2013 10.9 1.0 ug/L ,4-dichlorobenzene MW-49 4/10/2013 7.2 1.0 ug/L ,4-dichlorobenzene MW-49 4/10/2014 4.9 1.0 ug/L ,4-dichlorobenzene MW-49 10/16/2014 8.7 1.0 ug/L ,4-dichlorobenzene MW-49 4/06/2015 8.7 1.0 ug/L ,4-dichlorobenzene MW-49 4/06/2015 8.6 1.0 ug/L ,4-dichlorobenzene MW-49 4/14/2016 8.9 1.0 ug/L ,4-dichlorobenzene MW-49 4/10/2017 7.8 1.0 ug/L ,4-dichlorobenzene MW-49 4/10/2017 5.8 1.0 ug/L | , | | 1 | | | 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 4/10/2017 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/17/2018 1.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/17/2018 1.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/22/2019 1.4 1.0 | | | | | | | |
| 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 4/06/2015 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 4/10/2017 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/17/2018 1.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/17/2018 1.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/22/2019 11.4 1.0 ug/L 1,4-dichlorobenzene MW-49 4/22/2019 7.4 1.0 | | | | | | | |
| 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 4/10/2017 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2017 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/17/2018 1.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/17/2018 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 | | | | | | | |
| 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 4/17/2018 1.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/17/2018 1.8 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 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 4/05/2021 6.6 1.0 | | | | | | | |
| 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 4/10/2017 7.8 1.0 ug/L 1,4-dichlorobenzene MW-49 4/10/2017 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 4/12/2018 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 10/19/2020 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 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 | 4/10/2014 | | 4.9 | 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 | | | | | | 1.0 | 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 10/13/2016 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 | | | 8.6 | 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 | 4/14/2016 | | 8.9 | 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 | 10/13/2016 | | 9.2 | 1.0 | |
| 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 | | | 4/10/2017 | | | | |
| 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 10/22/2018 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 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 10/23/2019 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 10/19/2020 6.6 1.0 ug/L 1,4-dichlorobenzene MW-49 4/05/2021 6.4 1.0 ug/L | | | 1 | | | | |
| 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 | 1,7-416111010061126116 | | | | | | |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--------------------|-------------------------|---------------------------------------|------------|-------------------|-------|--------------|
| ,4-dichlorobenzene | MW-49 | 4/06/2022 | | 3.6 | 1.0 | ug/L |
| ,4-dichlorobenzene | MW-49 | 10/25/2022 | | 6.3 | 1.0 | ug/L |
| ,4-dichlorobenzene | MW-49 | 4/11/2023 | | 7.4 | 1.0 | ug/L |
| ,4-dichlorobenzene | MW-49 | 10/13/2023 | | 6.1 | 1.0 | ug/L |
| ,4-dichlorobenzene | MW-49 | 4/17/2024 | | 3.3 | 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 |
| Benzene | MW-49 | 4/24/2002 | | 2.4 | 1.0 | |
| 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 | |
| Benzene | MW-49 | 4/05/2011 | | 2.6 | 1.0 | |
| 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 | | ug/L |
| Benzene | MW-49 | 10/16/2014 | | 2.9 | | ug/L |
| Benzene | MW-49 | 4/06/2015 | | 2.3 | 1.0 | |
| Benzene | MW-49 | 10/01/2015 | | 1.9 | | ug/L |
| Benzene | MW-49 | 4/14/2016 | | 2.6 | | ug/L |
| Benzene | MW-49 | 10/13/2016 | | 3.5 | 1.0 | |
| Benzene | MW-49 | 4/10/2017 | | 3.0 | | ug/L |
| Benzene | MW-49 | 10/09/2017 | | 1.2 | | ug/L |
| Benzene | MW-49 | 4/17/2018 | | 1.9 | 1.0 | |
| Benzene | MW-49 | 10/22/2018 | | 2.5 | | ug/L |
| Benzene | MW-49 | 4/22/2019 | | 4.3 | | ug/L |
| Benzene | MW-49 | 10/23/2019 | | 3.5 | 1.0 | |
| Benzene | MW-49 | 4/10/2020 | | 3.7 | | ug/L ug/L |
| Benzene | MW-49 | 10/19/2020 | | 2.0 | | ug/L ug/L |
| | MW-49 | 4/05/2021 | | | | |
| Benzene | | | | 2.8 | | ug/L |
| Benzene | MW-49 | 10/08/2021 | | 1.9 | | ug/L |
| | MW-49 | 4/06/2022 | | 2.4 | | ug/L |
| Benzene | N 4\A / 40 | | | | | |
| Benzene | MW-49 | 10/25/2022 | | 2.4 | | ug/L |
| | MW-49 MW-49 MW-49 | 10/25/2022 4/11/2023 10/13/2023 | | 2.4 2.9 1.1 | 1.0 | |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|----------------|--------------------------|------------|--------------|-------|--------------|
| 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 Chlorobenzene | MW-49 MW-49 | 10/19/2020 4/05/2021 | | 1.0 1.0 | | ug/L |
| Chlorobenzene | MW-49 | 10/08/2021 | | 1.0 | 1.0 | ug/L ug/L |
| Chlorobenzene | MW-49 | 10/25/2022 | | 1.1 | | ug/L ug/L |
| Chlorobenzene | MW-49 | 10/13/2023 | | 1.0 | 1.0 | |
| 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 | | ug/L |
| Chloroethane | MW-49 | 10/03/2008 | | 18.1 | 1.0 | ug/L |
| Chloroethane Chloroethane | MW-49 MW-49 | 12/08/2008 | | 18.1 | | ug/L |
| Chloroethane | MW-49 | 4/02/2009 10/21/2009 | | 18.1 18.6 | 1.0 | ug/L ug/L |
| Chloroethane | MW-49 | 4/20/2010 | | 15.8 | 1.0 | |
| Chloroethane | MW-49 | 10/08/2010 | | 13.6 | | ug/L |
| Chloroethane | MW-49 | 4/05/2011 | | 17.2 | 1.0 | ug/L |
| Chloroethane | MW-49 | 10/06/2011 | | 11.6 | 1.0 | |
| Chloroethane | MW-49 | 4/10/2012 | | 11.8 | | ug/L |
| Chloroethane | MW-49 | 10/09/2012 | | 10.0 | 1.0 | ug/L |
| Chloroethane Chloroethane | MW-49 MW-49 | 4/04/2013 10/16/2013 | | 11.3 5.7 | 1.0 | |
| Chloroethane | MW-49 | 4/10/2013 | | 11.2 | 1.0 | ug/L ug/L |
| Chloroethane | MW-49 | 10/16/2014 | | 12.9 | 1.0 | |
| Chloroethane | MW-49 | 4/06/2015 | | 8.9 | | ug/L |
| Chloroethane | MW-49 | 10/01/2015 | | 8.7 | | ug/L |
| Chloroethane | MW-49 | 4/14/2016 | | 9.0 | 1.0 | ug/L |
| Chloroethane | MW-49 | 10/13/2016 | | 11.9 | 1.0 | |
| Chloroethane | MW-49 | 4/10/2017 | | 10.1 | | ug/L |
| Chloroethane | MW-49 MW-49 | 10/09/2017 | | 8.7 5.5 | 1.0 | |
| Chloroethane Chloroethane | MW-49 | 4/17/2018 10/22/2018 | | 11.0 | 1.0 | ug/L ug/L |
| Chloroethane | MW-49 | 4/22/2019 | | 8.2 | 1.0 | |
| Chloroethane | MW-49 | 10/23/2019 | | 10.2 | 1.0 | ug/L |
| Chloroethane | MW-49 | 4/10/2020 | | 9.4 | | ug/L |
| Chloroethane | MW-49 | 10/19/2020 | | 9.8 | 1.0 | ug/L |
| Chloroethane | MW-49 | 4/05/2021 | | 6.8 | 1.0 | |
| Chloroethane | MW-49 | 10/08/2021 | | 7.3 | | ug/L |
| Chloroethane Chloroethane | MW-49 MW-49 | 4/06/2022 10/25/2022 | | 5.6 7.4 | 1.0 | ug/L ug/L |
| Chloroethane | MW-49 | 4/11/2023 | | 6.6 | | ug/L |
| Chloroethane | MW-49 | 10/13/2023 | | 6.6 | | ug/L |
| Chloroethane | MW-49 | 4/17/2024 | | 4.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 3/28/2008 | | 42.6 | | ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 6/27/2008 | | 41.0 | | ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 8/04/2008 | | 41.3 | 1.0 | |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-49 MW-49 | 10/03/2008 12/08/2008 | | 45.3 42.2 | 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 4/02/2009 | | 42.8 | | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 10/21/2009 | | 41.1 | 1.0 | |
| 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 | | ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 4/05/2011 | | 41.1 | | ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 10/06/2011 | | 28.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-49 MW-49 | 4/10/2012 10/09/2012 | | 32.6 25.8 | | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 4/04/2013 | | 28.1 | | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 10/16/2013 | | 24.0 | | ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 4/10/2014 | | 23.3 | | 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 | | ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 10/01/2015 | | 11.2 | | ug/L |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-49 MW-49 | 4/14/2016 10/13/2016 | | 13.8 13.8 | 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 4/10/2017 | | 10.3 | | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 10/09/2017 | | 16.9 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-49 | 4/17/2018 | | 2.7 | | 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 | | ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 10/19/2020 | | 6.2 | | ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 10/08/2021 | | 2.0 | | ug/L |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-49 MW-49 | 10/25/2022 10/13/2023 | | 1.6 2.1 | 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 4/17/2024 | | 2.4 | | ug/L ug/L |
| Trichloroethylene | MW-49 | 1/21/1993 | | 1.2 | | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Trichloroethylene MW-49 4/22/1993 Trichloroethylene MW-49 7/13/1993 Trichloroethylene MW-49 1/25/1994 Trichloroethylene MW-49 4/14/1994 Trichloroethylene MW-49 7/08/1994 Trichloroethylene MW-49 10/20/1994 Trichloroethylene MW-49 1/04/1995 Trichloroethylene MW-49 4/21/1995 Trichloroethylene MW-49 7/07/1995 Trichloroethylene MW-49 1/10/1996 Trichloroethylene MW-49 7/17/1996 | 3.3 5.5 3.2 1.8 2.5 4.7 4.1 4.7 4.4 3.4 2.7 | 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | ug/L ug/L ug/L ug/L ug/L ug/L |
|--|---|---|--|
| Trichloroethylene MW-49 1/25/1994 Trichloroethylene MW-49 4/14/1994 Trichloroethylene MW-49 7/08/1994 Trichloroethylene MW-49 10/20/1994 Trichloroethylene MW-49 1/04/1995 Trichloroethylene MW-49 4/21/1995 Trichloroethylene MW-49 7/07/1995 Trichloroethylene MW-49 10/12/1995 Trichloroethylene MW-49 1/10/1996 | 3.2 1.8 2.5 4.7 4.1 4.7 4.4 3.4 | 1.0 1.0 1.0 1.0 1.0 | ug/L ug/L ug/L |
| Trichloroethylene MW-49 4/14/1994 Trichloroethylene MW-49 7/08/1994 Trichloroethylene MW-49 10/20/1994 Trichloroethylene MW-49 1/04/1995 Trichloroethylene MW-49 4/21/1995 Trichloroethylene MW-49 7/07/1995 Trichloroethylene MW-49 10/12/1995 Trichloroethylene MW-49 1/10/1996 | 1.8 2.5 4.7 4.1 4.7 4.4 3.4 | 1.0 1.0 1.0 1.0 | ug/L ug/L |
| Trichloroethylene MW-49 7/08/1994 Trichloroethylene MW-49 10/20/1994 Trichloroethylene MW-49 1/04/1995 Trichloroethylene MW-49 4/21/1995 Trichloroethylene MW-49 7/07/1995 Trichloroethylene MW-49 10/12/1995 Trichloroethylene MW-49 1/10/1996 | 2.5 4.7 4.1 4.7 4.4 3.4 | 1.0 1.0 1.0 | ug/L |
| Trichloroethylene | 4.7 4.1 4.7 4.4 3.4 | 1.0 1.0 | |
| Trichloroethylene | 4.1 4.7 4.4 3.4 | 1.0 | |
| Trichloroethylene | 4.7 4.4 3.4 | | |
| Trichloroethylene | 4.4 3.4 | | ug/L ug/L |
| Trichloroethylene | 3.4 | 1.0 | ug/L ug/L |
| Trichloroethylene MW-49 1/10/1996 | | 1.0 | ug/L |
| Trichloroethylene MW 40 7/17/1006 | | 1.0 | ug/L |
| Holliotoeutylene | 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 | 9.6 7.6 | 1.0 1.0 | ug/L |
| Trichloroethylene | 12.2 | 1.0 | ug/L ug/L |
| Trichloroethylene MW-49 7/21/1998 | 12.2 | 1.0 | ug/L 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 | 6.4 4.0 | 1.0 1.0 | ug/L ug/L |
| Trichloroethylene | 1.2 | 1.0 | ug/L 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 | 1.9 6.6 | 1.0 1.0 | ug/L |
| Viryl Chloride | 6.6 | 1.0 | ug/L ug/L |
| Vinyl chloride | 7.2 | 1.0 | ug/L |
| Vinyl chloride | 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 | 5.1 | 1.0 | ug/L |
| Vinyl chloride | 7.0 | 1.0 | ug/L |
| Vinyl chloride MW-49 10/06/2011 Vinyl chloride MW-49 4/10/2012 | 3.2 5.7 | 1.0 1.0 | ug/L ug/L |
| Vinyl chloride | 3.7 | 1.0 | ug/L ug/L |
| Vinyl chloride | 4.5 | 1.0 | ug/L |
| Vinyl chloride | 3.4 | | 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 | 3.1 | 1.0 | ug/L |
| Vinyl chloride | 4.0 | 1.0 | ug/L |
| Vinyl chloride | 5.1 5.5 | 1.0 | ug/L |
| Vinyl chloride MW-49 4/10/2017 Vinyl chloride MW-49 10/09/2017 | 3.2 | 1.0 1.0 | ug/L ug/L |
| Vinyl chloride | 1.1 | 1.0 | ug/L ug/L |
| Vinyl chloride | 2.6 | 1.0 | ug/L |
| Vinyl chloride | 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 | |
| Vinyl chloride | 2.4 | 1.0 | |
| 1,1,1-trichloroethane | 16.8 | 1.0 | ug/L |
| 1,1,1-trichloroethane | 20.8 29.4 | 1.0 | ug/L |
| 1,1,1-trichloroethane | 49.9 | 1.0 1.0 | ug/L ug/L |
| 1,1,1-trichloroethane | 1.1 | 1.0 | ug/L ug/L |
| 1,1,1-trichloroethane | 1.4 | | ug/L |
| 1,1,1-trichloroethane MW-54 1/06/2000 | 1.5 | | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| 1,1-1-trichloroethane | Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|-----------------------|-------|------------|------------|--------|-------|--------------|
| 1,1-1-trichloroethane | 1,1,1-trichloroethane | MW-54 | 4/13/2000 | | 1.0 | 1.0 | ug/L |
| 1,1-dichloroethane | 1,1,1-trichloroethane | MW-54 | 7/05/2000 | | .9 | .5 | ug/L |
| 1,1-dichloroethane | 1,1,1-trichloroethane | MW-54 | 9/11/2000 | | .8 | .5 | ug/L |
| 1,1-dichloroethane | 1,1-dichloroethane | MW-54 | 3/28/2008 | | 1.8 | 1.0 | ug/L |
| 1,1-dichloroethane | 1,1-dichloroethane | MW-54 | 6/25/2008 | | 1.4 | 1.0 | ug/L |
| 1,1-dichloroethane MW-54 4/02/2009 1,2 1,0 1,1-dichloroethane MW-54 4/20/2010 2,2 1,0 1,1-dichloroethane MW-54 4/20/2010 5,0 1,0 1,1-dichloroethane MW-54 4/05/2011 8,8 1,0 1,1-dichloroethane MW-54 4/05/2011 8,7 1,0 1,1-dichloroethane MW-54 4/10/2012 14,6 1,0 1,1-dichloroethane MW-54 4/10/2012 14,6 1,0 1,1-dichloroethane MW-54 4/10/2012 16,0 1,0 1,1-dichloroethane MW-54 4/04/2013 17,0 1,0 1,1-dichloroethane MW-54 4/04/2013 17,0 1,0 1,1-dichloroethane MW-54 4/10/2013 19,7 1,0 1,1-dichloroethane MW-54 4/10/2014 18,9 1,0 1,1-dichloroethane MW-54 4/06/2015 13,4 1,0 1,1-dichloroethane MW-54 4/06/2015 13,4 1,0 1,1-dichloroethane MW-54 4/06/2015 13,4 1,0 1,1-dichloroethane MW-54 4/10/2014 17,5 1,0 1,1-dichloroethane MW-54 4/10/2014 17,5 1,0 1,1-dichloroethane MW-54 4/10/2015 12,2 1,0 1,1-dichloroethane MW-54 4/10/2015 12,2 1,0 1,1-dichloroethane MW-54 4/10/2016 13,0 1,0 1,1-dichloroethane MW-54 4/10/2017 10,4 1,0 1,1-dichloroethane MW-54 4/10/2017 10,4 1,0 1,1-dichloroethane MW-54 4/10/2017 10,4 1,0 1,1-dichloroethane MW-54 4/10/2018 3,8 1,0 1,1-dichloroethane MW-54 4/10/2018 3,8 1,0 1,1-dichloroethane MW-54 4/10/2019 2,9 1,0 1,1-dichloroethane MW-54 4/10/2009 2,0 1,0 1,1-dichloro | 1,1-dichloroethane | MW-54 | 8/04/2008 | | 1.2 | 1.0 | ug/L |
| 1,1-dichloroethane MW-54 4/20/2010 2,2 1.0 1,1-dichloroethane MW-54 10/08/2010 5.0 1.0 1,1-dichloroethane MW-54 4/08/2011 8.8 1.0 1,1-dichloroethane MW-54 4/08/2011 8.7 1.0 1,1-dichloroethane MW-54 4/08/2011 8.7 1.0 1,1-dichloroethane MW-54 4/10/2012 14.6 1.0 1,1-dichloroethane MW-54 4/10/2012 14.6 1.0 1,1-dichloroethane MW-54 4/10/2013 17.0 1.0 1,1-dichloroethane MW-54 4/04/2013 17.0 1.0 1,1-dichloroethane MW-54 4/04/2013 19.7 1.0 1,1-dichloroethane MW-54 4/10/2014 18.9 1.0 1,1-dichloroethane MW-54 4/10/2014 17.5 1.0 1,1-dichloroethane MW-54 4/10/2015 13.4 1.0 1,1-dichloroethane MW-54 4/10/2015 12.2 1.0 1,1-dichloroethane MW-54 4/10/2016 13.0 1.0 1,1-dichloroethane MW-54 4/10/2016 13.0 1.0 1,1-dichloroethane MW-54 4/10/2017 10.4 1.0 1,1-dichloroethane MW-54 4/10/2019 2.9 1.0 1,1-dichloroethane MW-54 4/10/2019 2.9 1.0 1,1-dichloroethane MW-54 4/10/2009 2.1 1.0 1,1-dichloroethane MW-54 4/10/2009 2.2 1.0 1,1-dichlo | 1,1-dichloroethane | MW-54 | 12/08/2008 | | 1.7 | 1.0 | ug/L |
| 1,1-dichloroethane MW-54 4/20/2010 5.0 1.0 1,1-dichloroethane MW-54 4/05/2011 8.8 1.0 1,1-dichloroethane MW-54 4/05/2011 8.7 1.0 1,1-dichloroethane MW-54 4/05/2011 8.7 1.0 1,1-dichloroethane MW-54 4/10/2012 14.6 1.0 1,1-dichloroethane MW-54 4/10/2012 16.0 1.0 1,1-dichloroethane MW-54 4/04/2013 17.0 1.0 1,1-dichloroethane MW-54 4/10/2013 19.7 1.0 1,1-dichloroethane MW-54 4/10/2014 18.9 1.0 1,1-dichloroethane MW-54 4/10/2014 17.5 1.0 1,1-dichloroethane MW-54 4/10/2014 17.5 1.0 1,1-dichloroethane MW-54 4/06/2015 13.4 1.0 1,1-dichloroethane MW-54 4/10/2014 17.5 1.0 1,1-dichloroethane MW-54 4/10/2015 12.2 1.0 1,1-dichloroethane MW-54 4/10/2016 11.0 1.0 1,1-dichloroethane MW-54 4/10/2016 13.0 1.0 1,1-dichloroethane MW-54 4/10/2017 10.4 1.0 1,1-dichloroethane MW-54 4/10/2017 10.4 1.0 1,1-dichloroethane MW-54 4/17/2018 7.8 1.0 1,1-dichloroethane MW-54 4/17/2018 7.8 1.0 1,1-dichloroethane MW-54 4/17/2018 7.8 1.0 1,1-dichloroethane MW-54 4/17/2019 4.7 1.0 1,1-dichloroethane MW-54 4/17/2019 2.9 1.0 1,1-dichloroethane MW-54 4/10/2017 11.2 1.0 1,1-dichloroethane MW-54 4/10/2010 1.9 1.0 1,1-dichloroethane MW-54 4/10/2010 1.9 1.0 1,1-dichloroethane MW-54 4/10/2020 1.9 1.0 1,1-dichloroethane MW-54 4/10/2010 1.0 1.0 1,1-dichloroethane MW-54 4/10/2010 1.0 1.0 1,1-dichloroeth | 1,1-dichloroethane | MW-54 | 4/02/2009 | | 1.2 | 1.0 | ug/L |
| 1,1-dichloroethane MW-54 4/05/2011 8.8 1.0 1,1-dichloroethane MW-54 4/05/2011 8.7 1.0 1,1-dichloroethane MW-54 10/06/2011 8.7 1.0 1,1-dichloroethane MW-54 4/10/2012 14.6 1.0 1,1-dichloroethane MW-54 4/10/2013 17.0 1.0 1,1-dichloroethane MW-54 4/04/2013 17.0 1.0 1,1-dichloroethane MW-54 4/04/2013 19.7 1.0 1,1-dichloroethane MW-54 4/10/2013 19.7 1.0 1,1-dichloroethane MW-54 4/10/2014 18.9 1.0 1,1-dichloroethane MW-54 4/10/2014 17.5 1.0 1,1-dichloroethane MW-54 4/10/2015 13.4 1.0 1,1-dichloroethane MW-54 4/10/2015 12.2 1.0 1,1-dichloroethane MW-54 4/10/2016 13.0 1.0 1,1-dichloroethane MW-54 4/10/2016 13.0 1.0 1,1-dichloroethane MW-54 4/10/2017 10.4 1.0 1,1-dichloroethane MW-54 4/10/2017 11.2 1.0 1,1-dichloroethane MW-54 4/10/2019 2.9 1.0 1,1-dichloroethane MW-54 4/10/2019 2.9 1.0 1,1-dichloroethane MW-54 10/19/2020 1.9 1.0 1,1-dichloroethane MW-54 10/19/2020 1.0 1, | 1,1-dichloroethane | MW-54 | 10/21/2009 | | 1.4 | 1.0 | ug/L |
| 1,1-dichloroethane | 1,1-dichloroethane | | 4/20/2010 | | 2.2 | 1.0 | ug/L |
| 1,1-dichloroethane | 1,1-dichloroethane | MW-54 | | | 5.0 | | ug/L |
| 1,1-dichloroethane | 1,1-dichloroethane | MW-54 | 4/05/2011 | | 8.8 | | ug/L |
| 1,1-dichloroethane | 1,1-dichloroethane | MW-54 | 10/06/2011 | | 8.7 | 1.0 | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | l ' | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichloroethane | | | | | | | ug/L |
| 1,1-dichlorobethylene MW-54 10/18/2001 18.9 1.0 1,4-dichlorobenzene MW-54 3/28/2008 1.7 1.0 1,4-dichlorobenzene MW-54 6/25/2008 2.9 1.0 1,4-dichlorobenzene MW-54 8/04/2008 2.4 1.0 1,4-dichlorobenzene MW-54 12/08/2008 1.3 1.0 1,4-dichlorobenzene MW-54 4/02/2009 2.2 1.0 1,4-dichlorobenzene MW-54 10/21/2009 2.1 1.0 1,4-dichlorobenzene MW-54 4/02/2010 1.6 1.0 1,4-dichlorobenzene MW-54 4/05/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/06/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/16/2013 1.5 1.0 1,4-dichlorobenzene MW-54 4/10/2014 1.7 1.0 1,4-dichlorobenzene MW-54 10/16/2014 2.3 1.0 1,4-dichlorobenzene MW-54 10/16/2015 2. | | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 3/28/2008 1.7 1.0 1,4-dichlorobenzene MW-54 6/25/2008 2.9 1.0 1,4-dichlorobenzene MW-54 8/04/2008 2.4 1.0 1,4-dichlorobenzene MW-54 12/08/2008 1.3 1.0 1,4-dichlorobenzene MW-54 4/02/2009 2.2 1.0 1,4-dichlorobenzene MW-54 4/02/2009 2.1 1.0 1,4-dichlorobenzene MW-54 4/20/2010 1.6 1.0 1,4-dichlorobenzene MW-54 4/05/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/06/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/16/2013 1.5 1.0 1,4-dichlorobenzene MW-54 4/10/2014 1.7 1.0 1,4-dichlorobenzene MW-54 4/10/2014 1.7 1.0 1,4-dichlorobenzene MW-54 4/10/2014 2.3 1.0 1,4-dichlorobenzene MW-54 4/10/2014 2.7 | l ' | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 6/25/2008 2.9 1.0 1,4-dichlorobenzene MW-54 8/04/2008 2.4 1.0 1,4-dichlorobenzene MW-54 12/08/2008 1.3 1.0 1,4-dichlorobenzene MW-54 12/08/2009 2.2 1.0 1,4-dichlorobenzene MW-54 4/02/2009 2.1 1.0 1,4-dichlorobenzene MW-54 4/20/2010 1.6 1.0 1,4-dichlorobenzene MW-54 4/05/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/06/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/16/2013 1.5 1.0 1,4-dichlorobenzene MW-54 4/10/2014 1.7 1.0 1,4-dichlorobenzene MW-54 10/16/2013 1.5 1.0 1,4-dichlorobenzene MW-54 4/10/2014 2.3 1.0 1,4-dichlorobenzene MW-54 10/16/2014 2.3 1.0 1,4-dichlorobenzene MW-54 10/16/2015 2.1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ug/L</td> | | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 8/04/2008 2.4 1.0 1,4-dichlorobenzene MW-54 12/08/2008 1.3 1.0 1,4-dichlorobenzene MW-54 4/02/2009 2.2 1.0 1,4-dichlorobenzene MW-54 4/02/2009 2.1 1.0 1,4-dichlorobenzene MW-54 4/02/2010 1.6 1.0 1,4-dichlorobenzene MW-54 4/05/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/06/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/16/2013 1.5 1.0 1,4-dichlorobenzene MW-54 4/10/2014 1.7 1.0 1,4-dichlorobenzene MW-54 10/16/2014 2.3 1.0 1,4-dichlorobenzene MW-54 4/06/2015 2.1 1.0 1,4-dichlorobenzene MW-54 4/10/10/2015 2.1 1.0 1,4-dichlorobenzene MW-54 4/10/2016 2.3 1.0 1,4-dichlorobenzene MW-54 10/13/2016 2.3< | | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 12/08/2008 1.3 1.0 1,4-dichlorobenzene MW-54 4/02/2009 2.2 1.0 1,4-dichlorobenzene MW-54 10/21/2009 2.1 1.0 1,4-dichlorobenzene MW-54 4/02/2010 1.6 1.0 1,4-dichlorobenzene MW-54 4/05/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/16/2013 1.5 1.0 1,4-dichlorobenzene MW-54 10/16/2013 1.5 1.0 1,4-dichlorobenzene MW-54 10/16/2013 1.5 1.0 1,4-dichlorobenzene MW-54 4/10/2014 1.7 1.0 1,4-dichlorobenzene MW-54 10/16/2014 2.3 1.0 1,4-dichlorobenzene MW-54 10/16/2014 2.3 1.0 1,4-dichlorobenzene MW-54 10/01/2015 2.1 1.0 1,4-dichlorobenzene MW-54 10/01/2015 2.3 1.0 1,4-dichlorobenzene MW-54 4/10/2016 2.3 | | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 4/02/2009 2.2 1.0 1,4-dichlorobenzene MW-54 10/21/2009 2.1 1.0 1,4-dichlorobenzene MW-54 4/20/2010 1.6 1.0 1,4-dichlorobenzene MW-54 4/20/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/06/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/16/2013 1.5 1.0 1,4-dichlorobenzene MW-54 4/10/2014 1.7 1.0 1,4-dichlorobenzene MW-54 4/10/2014 1.7 1.0 1,4-dichlorobenzene MW-54 4/10/2014 2.3 1.0 1,4-dichlorobenzene MW-54 4/06/2015 2.1 1.0 1,4-dichlorobenzene MW-54 4/14/2016 2.1 1.0 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 4/10/2017 3.5 | | | | | | | ug/L |
| 1,4-dichlorobenzene | | | | | | | ug/L |
| 1,4-dichlorobenzene | | | | | | | ug/L |
| 1,4-dichlorobenzene | | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 10/06/2011 1.0 1.0 1,4-dichlorobenzene MW-54 10/16/2013 1.5 1.0 1,4-dichlorobenzene MW-54 4/10/2014 1.7 1.0 1,4-dichlorobenzene MW-54 10/16/2014 2.3 1.0 1,4-dichlorobenzene MW-54 4/06/2015 2.1 1.0 1,4-dichlorobenzene MW-54 10/01/2015 2.3 1.0 1,4-dichlorobenzene MW-54 4/14/2016 2.1 1.0 1,4-dichlorobenzene MW-54 4/10/2016 2.1 1.0 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 4/10/2017 3.5 1.0 1,4-dichlorobenzene MW-54 4/17/2018 4.3 1.0 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/23/2019 3.5 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ug/L</td> | | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 10/16/2013 1.5 1.0 1,4-dichlorobenzene MW-54 4/10/2014 1.7 1.0 1,4-dichlorobenzene MW-54 10/16/2014 2.3 1.0 1,4-dichlorobenzene MW-54 4/06/2015 2.1 1.0 1,4-dichlorobenzene MW-54 10/01/2015 2.3 1.0 1,4-dichlorobenzene MW-54 4/14/2016 2.1 1.0 1,4-dichlorobenzene MW-54 10/13/2016 2.3 1.0 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 10/09/2017 3.5 1.0 1,4-dichlorobenzene MW-54 4/17/2018 4.3 1.0 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ug/L</td> | | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 4/10/2014 1.7 1.0 1,4-dichlorobenzene MW-54 10/16/2014 2.3 1.0 1,4-dichlorobenzene MW-54 4/06/2015 2.1 1.0 1,4-dichlorobenzene MW-54 10/01/2015 2.3 1.0 1,4-dichlorobenzene MW-54 4/14/2016 2.1 1.0 1,4-dichlorobenzene MW-54 10/13/2016 2.3 1.0 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 10/09/2017 3.5 1.0 1,4-dichlorobenzene MW-54 4/17/2018 4.3 1.0 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/23/2019 3.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ug/L</td> | | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 10/16/2014 2.3 1.0 1,4-dichlorobenzene MW-54 4/06/2015 2.1 1.0 1,4-dichlorobenzene MW-54 10/01/2015 2.3 1.0 1,4-dichlorobenzene MW-54 10/01/2015 2.3 1.0 1,4-dichlorobenzene MW-54 4/14/2016 2.1 1.0 1,4-dichlorobenzene MW-54 10/13/2016 2.3 1.0 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 10/09/2017 3.5 1.0 1,4-dichlorobenzene MW-54 4/17/2018 4.3 1.0 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/23/2019 3.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8< | | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 4/06/2015 2.1 1.0 1,4-dichlorobenzene MW-54 10/01/2015 2.3 1.0 1,4-dichlorobenzene MW-54 4/14/2016 2.1 1.0 1,4-dichlorobenzene MW-54 10/13/2016 2.3 1.0 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 10/09/2017 3.5 1.0 1,4-dichlorobenzene MW-54 4/17/2018 4.3 1.0 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/23/2019 3.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 4/10/2023 3.1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ug/L ug/L</td> | | | | | | | ug/L ug/L |
| 1,4-dichlorobenzene MW-54 10/01/2015 2.3 1.0 1,4-dichlorobenzene MW-54 4/14/2016 2.1 1.0 1,4-dichlorobenzene MW-54 10/13/2016 2.3 1.0 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 10/09/2017 3.5 1.0 1,4-dichlorobenzene MW-54 4/17/2018 4.3 1.0 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/23/2019 3.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/25/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 1,4-dichlorobenzene MW-54 4/14/2016 2.1 1.0 1,4-dichlorobenzene MW-54 10/13/2016 2.3 1.0 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 10/09/2017 3.5 1.0 1,4-dichlorobenzene MW-54 4/17/2018 4.3 1.0 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/23/2019 3.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/25/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ug/L</td> | | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 10/13/2016 2.3 1.0 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 10/09/2017 3.5 1.0 1,4-dichlorobenzene MW-54 4/17/2018 4.3 1.0 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/23/2019 3.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/25/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 10/13/2023 4.1 1.0 | | | | | | | ug/L ug/L |
| 1,4-dichlorobenzene MW-54 4/10/2017 2.7 1.0 1,4-dichlorobenzene MW-54 10/09/2017 3.5 1.0 1,4-dichlorobenzene MW-54 4/17/2018 4.3 1.0 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/23/2019 3.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/25/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 4/11/2023 4.1 1.0 1,4-dichlorobenzene MW-54 10/13/2023 4.1 1.0 | | | | | | | |
| 1,4-dichlorobenzene MW-54 10/09/2017 3.5 1.0 1,4-dichlorobenzene MW-54 4/17/2018 4.3 1.0 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/23/2019 3.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/25/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 10/13/2023 4.1 1.0 | | | | | | | ug/L |
| 1,4-dichlorobenzene MW-54 4/17/2018 4.3 1.0 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/23/2019 3.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/25/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 10/13/2023 4.1 1.0 | | | | | | | ug/L ug/L |
| 1,4-dichlorobenzene MW-54 4/22/2019 2.5 1.0 1,4-dichlorobenzene MW-54 10/23/2019 3.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/25/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 10/13/2023 4.1 1.0 | | | | | | | ug/L ug/L |
| 1,4-dichlorobenzene MW-54 10/23/2019 3.5 1.0 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/23/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 10/13/2023 4.1 1.0 | | | | | | | ug/L ug/L |
| 1,4-dichlorobenzene MW-54 10/19/2020 3.8 1.0 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/25/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 10/13/2023 4.1 1.0 | | | | | | | ug/L ug/L |
| 1,4-dichlorobenzene MW-54 4/05/2021 2.9 1.0 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/25/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 10/13/2023 4.1 1.0 | | | | | | | |
| 1,4-dichlorobenzene MW-54 10/08/2021 2.8 1.0 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/25/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 10/13/2023 4.1 1.0 | ., | | | | | 1.0 | ug/L |
| 1,4-dichlorobenzene MW-54 4/06/2022 2.4 1.0 1,4-dichlorobenzene MW-54 10/25/2022 3.1 1.0 1,4-dichlorobenzene MW-54 4/11/2023 1.6 1.0 1,4-dichlorobenzene MW-54 10/13/2023 4.1 1.0 | | | | | | | ug/L ug/L |
| 1,4-dichlorobenzene | | | | | | | ug/L ug/L |
| 1,4-dichlorobenzene | | | | | | | ug/L ug/L |
| 1,4-dichlorobenzene MW-54 10/13/2023 4.1 1.0 | | | | | | | ug/L ug/L |
| | | | | | | | ug/L ug/L |
| 1,4-dichlorobenzene | | | | | | | |
| Acetone | l ' | | | | | | ug/L |
| Benzene MW-54 7/26/1999 2.1 1.0 | | | | | | | ug/L |
| Benzene MW-54 10/04/1999 1.4 1.0 | | | | | | | |
| 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 | | | | | | | ug/L |
| Benzene MW-54 4/05/2006 .6 .5 | | | | | | | |
| Benzene MW-54 10/16/2013 1.0 1.0 | | | | | | | ug/L |
| | | | | | | | ug/L |
| | | | | | | | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|----------------|-------------------------|------------|--------------|------------|--------------|
| Benzene | MW-54 | 10/09/2017 | | 1.0 | 1.0 | ug/L |
| Bis(2-ethylhexyl) phthalate Chloroethane | MW-54 MW-54 | 12/08/2008 | | 16 9.7 | 8 1.0 | ug/L |
| Chloroethane | MW-54 | 3/28/2008 6/25/2008 | | 7.4 | 1.0 | ug/L ug/L |
| Chloroethane | MW-54 | 8/04/2008 | | 6.0 | 1.0 | ug/L ug/L |
| Chloroethane | MW-54 | 10/03/2008 | | 5.0 | 1.0 | ug/L ug/L |
| Chloroethane | MW-54 | 12/08/2008 | | 5.1 | 1.0 | |
| 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 Chloroethane | MW-54 | 4/10/2012 | | 14.3 | 1.0 | ug/L |
| Chloroethane | MW-54 MW-54 | 10/09/2012 4/04/2013 | | 15.6 15.9 | 1.0 1.0 | ug/L ug/L |
| Chloroethane | MW-54 | 10/16/2013 | | 12.0 | 1.0 | |
| 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 | |
| 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 Chloroethane | MW-54 MW-54 | 4/10/2020 10/19/2020 | | 1.9 2.7 | 1.0 1.0 | ug/L ug/L |
| Chloroethane | MW-54 | 10/19/2020 | | 1.6 | 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-54 | 3/28/2008 | | 4.5 | 1.0 | |
| 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 | |
| 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 | |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-54 MW-54 | 10/09/2012 4/04/2013 | | 2.9 3.2 | 1.0 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-54 | 10/16/2013 | | 3.9 | 1.0 | |
| 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 | |
| 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 | | ug/L |
| Cis-1,2-dichloroethylene | MW-54 | 10/09/2017 | | 1.9 | | ug/L |
| Cis-1,2-dichloroethylene | MW-54 | 4/17/2018 | | 1.2 | | ug/L |
| Toluene | MW-54 | 4/22/2019 | | 1.3 | | ug/L |
| Trichloroethylene Trichloroethylene | MW-54 MW-54 | 1/21/1993 | | 1.0 2.2 | 1.0 | ug/L |
| Trichloroethylene | MW-54 | 4/22/1993 7/13/1993 | | 4.9 | | ug/L ug/L |
| Trichloroethylene | MW-54 | 7/13/1993 | | 7.0 | | ug/L |
| Trichloroethylene | MW-54 | 10/04/1999 | | 6.0 | 1.0 | |
| Trichloroethylene | MW-54 | 1/06/2000 | | 6.3 | | ug/L |
| Trichloroethylene | MW-54 | 4/13/2000 | | 5.1 | | ug/L |
| Trichloroethylene | MW-54 | 7/05/2000 | | 5.7 | 1.0 | |
| Trichloroethylene | MW-54 | 9/11/2000 | | 6.5 | | ug/L |
| Trichloroethylene | MW-54 | 10/08/2000 | | 5.0 | | ug/L |
| Trichloroethylene | MW-54 | 4/27/2001 | | 5.9 | | ug/L |
| Trichloroethylene | MW-54 | 7/23/2001 | | 6.3 | | ug/L |
| Trichloroethylene | MW-54 | 10/18/2001 | | 4.8 | | ug/L |
| Trichloroethylene | MW-54 | 1/25/2002 | | 5.6 | | ug/L |
| Trichloroethylene | MW-54 | 4/24/2002 | | 5.7 | 1.0 | |
| Trichloroethylene | MW-54 | 7/22/2002 | | 5.3 | | ug/L |
| Trichloroethylene Trichloroethylene | MW-54 | 10/14/2002 | | 5.0 | | ug/L |
| Trichloroethylene | MW-54 | 1/29/2003 | | 5.2 | 1.0 | |
| Trichloroethylene | MW-54 | 7/11/2003 | | 4.3 | 1 () | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|-------|------------|------------|--------------|-------|--------------|
| 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 | |
| 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 | |
| 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 |
| √inyl chloride | MW-54 | 4/10/2012 | | 1.1 | 1.0 | ug/L |
| √inyl chloride | MW-54 | 10/09/2012 | | 1.0 | 1.0 | ug/L |
| /inyl chloride | MW-54 | 10/16/2014 | | 1.0 | 1.0 | |
| /inyl chloride | MW-54 | 10/01/2015 | | 1.0 | 1.0 | |
| /inyl chloride | MW-54 | 10/13/2016 | | 2.0 | 1.0 | ug/L |
| /inyl chloride | MW-54 | 4/10/2017 | | 1.8 | 1.0 | |
| /inyl chloride | MW-54 | 10/09/2017 | | 1.6 | 1.0 | |
| ,1-dichloroethane | MW-66 | 8/05/2008 | | 1.8 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-66 | 8/05/2008 | | 1.1 | 1.0 | |
| ,1,1-trichloroethane | MW-81 | 7/13/1993 | | 1.1 | 1.0 | |
| ,1,1-trichloroethane | MW-81 | 1/25/1994 | | 2.2 | 1.0 | ug/L |
| ,1,1-trichloroethane | MW-81 | 4/14/1994 | | 1.4 | 1.0 | ug/L |
| ,1,1-trichloroethane | MW-81 | 7/08/1994 | | 1.2 | 1.0 | ug/L |
| ,1,1-trichloroethane | MW-81 | 10/20/1994 | | 1.2 | 1.0 | ug/L |
| ,1,1-trichloroethane | MW-81 | 4/21/1995 | | 1.1 | 1.0 | |
| ,1,1-trichloroethane | MW-81 | 7/07/1995 | | 1.3 | 1.0 | |
| ,1,1-trichloroethane | MW-81 | 7/17/1996 | | 1.6 | 1.0 | ug/L |
| ,1,1-trichloroethane | MW-81 | 10/08/1996 | | 1.5 | 1.0 | ug/L |
| ,1,1-trichloroethane | MW-81 | 1/21/1997 | | 1.4 | 1.0 | ug/L |
| ,1,1-trichloroethane | MW-81 | 4/11/1997 | | 2.2 | 1.0 | ug/L |
| ,1,1-trichloroethane | MW-81 | 10/09/1998 | | 1.1 | 1.0 | ug/L |
| ,1-dichloroethane | MW-81 | 3/28/2008 | | 59.5 | 1.0 | ug/L |
| ,1-dichloroethane | MW-81 | 6/20/2008 | | 50.6 | 1.0 | ug/L |
| ,1-dichloroethane | MW-81 | 8/04/2008 | | 56.8 | 1.0 | ug/L |
| ,1-dichloroethane | MW-81 | 10/03/2008 | | 70.7 | 1.0 | ug/L |
| ,1-dichloroethane | MW-81 | 12/08/2008 | | 53.4 | 1.0 | |
| ,1-dichloroethane | MW-81 | 4/01/2009 | | 54.3 | 1.0 | ug/L |
| I,1-dichloroethane | MW-81 | 10/21/2009 | | 58.2 | 1.0 | ug/L |
| I,1-dichloroethane | MW-81 | 4/20/2010 | | 47.6 | 1.0 | |
| I,1-dichloroethane | MW-81 | 10/08/2010 | | 34.8 | 1.0 | ug/L |
| I,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 | |
| I,1-dichloroethane | MW-81 | 4/10/2012 | | 38.1 | 1.0 | |
| I,1-dichloroethane | MW-81 | 10/09/2012 | | 42.8 | 1.0 | ug/L |
| I,1-dichloroethane | MW-81 | 4/04/2013 | | 39.0 | 1.0 | ug/L |
| I,1-dichloroethane | MW-81 | 10/16/2013 | | 49.2 | 1.0 | |
| ,1-dichloroethane | MW-81 | 4/10/2014 | | 46.6 | 1.0 | ug/L |
| .1-dichloroethane | MW-81 | 10/16/2014 | | 44.6 | 1.0 | ug/L |
| .1-dichloroethane | MW-81 | 4/03/2015 | | 39.2 | 1.0 | |
| .1-dichloroethane | MW-81 | 10/01/2015 | | 38.6 | 1.0 | ug/L ug/L |
| ,1-dichloroethane | MW-81 | 4/14/2016 | | 27.5 | 1.0 | ug/L ug/L |
| , 1-dichloroethane | MW-81 | 10/13/2016 | | 29.7 | | ug/L ug/L |
| ,1-dichloroethane | MW-81 | 4/10/2017 | | 29.7 25.9 | | ug/L ug/L |
| i, i-dichloroethane | MW-81 | 10/09/2017 | | 33.9 | | ug/L ug/L |
| ,1-dichloroethane | MW-81 | | | 24.5 | | |
| ,1-dichloroethane | | 4/17/2018 | | | | ug/L |
| | MW-81 | 10/22/2018 | | 19.0 | | ug/L |
| ,1-dichloroethane | MW-81 | 4/22/2019 | | 13.8 | | ug/L |
| ,1-dichloroethane | MW-81 | 10/23/2019 | | 11.0 | 1.0 | |
| ,1-dichloroethane | MW-81 | 4/10/2020 | | 10.8 | | ug/L |
| ,1-dichloroethane | MW-81 | 10/19/2020 | | 27.9 | | ug/L |
| ,1-dichloroethane | MW-81 | 4/05/2021 | | 15.8 | 1.0 | |
| ,1-dichloroethane | MW-81 | 10/08/2021 | | 29.3 | | ug/L |
| ,1-dichloroethane | MW-81 | 4/06/2022 | | 21.5 | | ug/L |
| I,1-dichloroethane | MW-81 | 10/25/2022 | | 27.7 | 1.0 | |
| ,1-dichloroethane | MW-81 | 4/11/2023 | | 23.9 | | ug/L |
| ,1-dichloroethane | MW-81 | 10/13/2023 | | 30.0 | | ug/L |
| 1,1-dichloroethane | MW-81 | 4/16/2024 | | 28.2 | 1.0 | |
| I,1-dichloroethylene | MW-81 | 1/25/1994 | | 3.6 | | ug/L |
| 1,1-dichloroethylene | MW-81 | 7/07/1995 | | 1.2 | | ug/L |
| ,2-dichlorobenzene | MW-81 | 4/22/2019 | | 1.9 | 1.0 | ug/L |
| ,2-dichlorobenzene | MW-81 | 10/23/2019 | | 1.3 | 1.0 | ug/L |
| ,2-dichlorobenzene | MW-81 | 4/10/2020 | | 2.0 | 1.0 | ug/L |
| 1,2-dichlorobenzene | MW-81 | 10/19/2020 | | 1.1 | | ug/L |
| | | 7/08/1994 | | 2.2 | 1.0 | |
| 1,2-dichloroethane | MW-81 | 1/00/1334 | | | | |
| 1,2-dichloroethane 1,2-dichloroethane | MW-81 | 10/20/1994 | | 2.1 | | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---------------------|-------|------------|------------|--------|-------|-------|
| 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 |
| 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-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 |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---------------------|-------|------------|------------|--------|-------|--------------|
| 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 | |
| 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 | |
| 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 |
| 1,4-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 | |
| 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 |
| I.4-dichlorobenzene | MW-81 | 10/09/2012 | | 1.9 | 1.0 | ug/L |
| l.4-dichlorobenzene | MW-81 | 4/04/2013 | | 2.3 | 1.0 | ug/L |
| ,4-dichlorobenzene | MW-81 | 10/16/2013 | | 2.0 | 1.0 | ug/L |
| I,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 |
| .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 | |
| 1,4-dichlorobenzene | | | | 2.2 | 1.0 | |
| | MW-81 | 4/14/2016 | | | | 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 |
| ,4-dichlorobenzene | MW-81 | 4/11/2023 | | 4.6 | 1.0 | |
| 1,4-dichlorobenzene | MW-81 | 10/13/2023 | | 5.7 | 1.0 | ug/L |
| I,4-dichlorobenzene | MW-81 | 4/16/2024 | | 4.7 | 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 | | ug/L |
| Benzene | MW-81 | 10/20/1994 | | 6.3 | | ug/L |
| Benzene | MW-81 | 1/04/1995 | | 2.2 | | ug/L |
| Benzene | MW-81 | 10/08/1996 | | 1.0 | 1.0 | |
| Benzene | MW-81 | 4/19/1999 | | 1.1 | | ug/L |
| Benzene | MW-81 | 10/04/1999 | | 1.0 | | ug/L |
| Benzene | MW-81 | 1/06/2000 | | 1.1 | 1.0 | |
| Benzene | MW-81 | 7/05/2000 | | 1.1 | | ug/L |
| Benzene | MW-81 | 4/24/2002 | | 1.0 | | ug/L |
| Benzene | MW-81 | 4/22/2003 | | 1.0 | 1.0 | |
| Benzene | MW-81 | 3/28/2008 | | 2.2 | | ug/L ug/L |
| Benzene | MW-81 | 6/20/2008 | | 4.2 | | ug/L ug/L |
| Benzene | MW-81 | 8/04/2008 | | 3.4 | | ug/L ug/L |
| | | | | | | |
| Benzene | MW-81 | 12/08/2008 | | 3.0 | | ug/L |
| Benzene | MW-81 | 4/01/2009 | | 2.2 | | ug/L |
| Benzene | MW-81 | 10/21/2009 | | 3.6 | | ug/L |
| Benzene | MW-81 | 4/20/2010 | | 4.0 | | ug/L |
| Benzene | MW-81 | 10/08/2010 | | 3.6 | | ug/L |
| Benzene | MW-81 | 4/05/2011 | | 2.2 | | ug/L |
| Benzene | MW-81 | 10/06/2011 | | 2.0 | 1.0 | ug/L |
| _ | 1 | 1/40/0040 | | 1 22 | | |
| Benzene | MW-81 | 4/10/2012 | | 2.3 | 1.0 | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|----------------|-------------------------|------------|--------------|--------|--------------|
| 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 | | ug/L |
| Benzene Benzene | MW-81 MW-81 | 10/09/2017 4/17/2018 | | 1.1 1.0 | 1.0 | ug/L |
| Benzene | MW-81 | 4/17/2018 | | 2.9 | | ug/L ug/L |
| Benzene | MW-81 | 10/23/2019 | | 2.7 | | ug/L |
| Benzene | MW-81 | 4/10/2020 | | 2.9 | 1.0 | ug/L |
| Benzene | MW-81 | 10/19/2020 | | 1.5 | | ug/L |
| Benzene | MW-81 | 4/05/2021 | | 1.1 | | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-81 | 4/03/2015 | | 36 | 10 | ug/L |
| Chlorobenzene | MW-81 | 10/13/2016 | | 1.1 | | ug/L |
| Chlorobenzene | MW-81 | 4/10/2017 | | 1.0 | | ug/L |
| Chlorobenzene | MW-81 | 10/09/2017 | | 1.1 | 1.0 | |
| Chlorobenzene | MW-81 | 4/17/2018 | | 1.1 | | ug/L |
| Chlorobenzene Chlorobenzene | MW-81 MW-81 | 4/22/2019 10/23/2019 | | 1.4 1.4 | 1.0 | ug/L ug/L |
| Chlorobenzene | MW-81 | 4/10/2020 | | 1.4 | | ug/L ug/L |
| Chlorobenzene | MW-81 | 10/19/2020 | | 1.5 | | ug/L ug/L |
| Chlorobenzene | MW-81 | 4/05/2021 | | 1.2 | 1.0 | |
| Chlorobenzene | MW-81 | 10/08/2021 | | 1.3 | 1.0 | |
| Chlorobenzene | MW-81 | 4/06/2022 | | 1.2 | | ug/L |
| Chlorobenzene | MW-81 | 10/25/2022 | | 1.7 | 1.0 | ug/L |
| Chlorobenzene | MW-81 | 4/11/2023 | | 1.4 | 1.0 | |
| Chlorobenzene | MW-81 | 10/13/2023 | | 1.9 | | ug/L |
| Chlorobenzene | MW-81 | 4/16/2024 | | 1.7 | | ug/L |
| Chloroethane | MW-81 | 3/28/2008 | | 13.4 | | ug/L |
| Chloroethane | MW-81 MW-81 | 6/20/2008 | | 13.9 | | ug/L |
| Chloroethane Chloroethane | MW-81 | 8/04/2008 10/03/2008 | | 13.4 14.2 | | ug/L ug/L |
| Chloroethane | MW-81 | 12/08/2008 | | 15.0 | 1.0 | |
| Chloroethane | MW-81 | 4/01/2009 | | 14.0 | | ug/L |
| Chloroethane | MW-81 | 10/21/2009 | | 18.1 | | ug/L |
| Chloroethane | MW-81 | 4/20/2010 | | 14.4 | 1.0 | |
| 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 | |
| Chloroethane | MW-81 | 4/10/2012 | | 12.2 | | ug/L |
| Chloroethane | MW-81 | 10/09/2012 | | 11.5 | | ug/L |
| Chloroethane Chloroethane | MW-81 MW-81 | 4/04/2013 10/16/2013 | | 10.2 12.5 | 1.0 | ug/L ug/L |
| Chloroethane | MW-81 | 4/10/2014 | | 13.4 | | ug/L ug/L |
| Chloroethane | MW-81 | 10/16/2014 | | 13.3 | 1.0 | ug/L |
| Chloroethane | MW-81 | 4/03/2015 | | 13.7 | | ug/L |
| Chloroethane | MW-81 | 10/01/2015 | | 8.6 | | ug/L |
| Chloroethane | MW-81 | 4/14/2016 | | 7.5 | 1.0 | |
| Chloroethane | MW-81 | 10/13/2016 | | 11.5 | 1.0 | |
| Chloroethane | MW-81 | 4/10/2017 | | 9.8 | | ug/L |
| Chloroethane | MW-81 | 10/09/2017 | | 8.7 | | ug/L |
| Chloroethane | MW-81 | 4/17/2018 | | 7.1 | | ug/L |
| Chloroethane Chloroethane | MW-81 MW-81 | 10/22/2018 4/22/2019 | | 5.2 6.0 | | ug/L ug/L |
| Chloroethane | MW-81 | 10/23/2019 | | 7.8 | | ug/L ug/L |
| Chloroethane | MW-81 | 4/10/2020 | | 6.0 | | ug/L 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 | |
| Chloroethane | MW-81 | 4/06/2022 | | 5.0 | | ug/L |
| Chloroethane | MW-81 | 10/25/2022 | | 7.2 | 1.0 | |
| Chloroethane | MW-81 | 4/11/2023 | | 5.4 | 1.0 | |
| Chloroethane | MW-81 | 10/13/2023 | | 6.5 | | ug/L |
| Chloroethane | MW-81 | 4/16/2024 | | 6.8 | 1.0 | |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-81 MW-81 | 3/28/2008 6/20/2008 | | 133 209 | 1 1 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-81 | 8/04/2008 | | 190 | 1 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-81 | 10/03/2008 | | 206 | 1 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-81 | 12/08/2008 | | 218 | 1 | ug/L 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 | | 228 | 1 | ug/L |
| Cis-1,2-dichloroethylene | MW-81 | 10/21/2009 | | 220 | 5 | ug/L |
| Cis-1,2-dichloroethylene | MW-81 | 4/20/2010 | | 245 | 5 | ug/L |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-81 MW-81 | 10/08/2010 4/05/2011 | | 295 | 5 | ug/L ug/L |
| | | 4/05/2011 | | 305 | 5 | uu/L |

Table 1
Historical Volatile Organic Compound Detections

| Cis-1_2-dichioresthylene | Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|--------------------------|-------|------------|------------|--------|-------|--------------|
| Cis-1_2-dichloroethylene MW-81 10/09/2012 295 5 ug/L Cis-1_2-dichloroethylene MW-81 10/16/2013 288 5 ug/L Cis-1_2-dichloroethylene MW-81 10/16/2014 288 1 ug/L Cis-1_2-dichloroethylene MW-81 10/16/2014 288 1 ug/L Cis-1_2-dichloroethylene MW-81 10/16/2014 288 1 ug/L Cis-1_2-dichloroethylene MW-81 10/16/2015 252 ug/L Cis-1_2-dichloroethylene MW-81 10/16/2015 201 1 ug/L Cis-1_2-dichloroethylene MW-81 10/12/2015 201 1 ug/L Cis-1_2-dichloroethylene MW-81 10/13/2016 243 1 ug/L Cis-1_2-dichloroethylene MW-81 10/13/2016 243 1 ug/L Cis-1_2-dichloroethylene MW-81 10/13/2016 243 1 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2017 205 1 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2018 1 ug/L Cis-1_2-dichloroethylene MW-81 4/2/2018 1 ug/L Cis-1_2-dichloroethylene MW-81 4/2/2019 84 ug/L Cis-1_2-dichloroethylene MW-81 4/2/2019 34 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2020 83 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2020 210 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2020 210 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2020 210 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2020 1 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2 | Cis-1,2-dichloroethylene | MW-81 | 10/06/2011 | | 250 | 5 | ug/L |
| Cis-1_2-dichloroethylene MW-81 10/16/2013 238 5 ug/L | Cis-1,2-dichloroethylene | MW-81 | 4/10/2012 | | 267 | | ug/L |
| Cis-1_2-dichloroethylene WW-81 10/16/2013 288 5 ug/L Cis-1_2-dichloroethylene WW-81 10/16/2014 288 1 ug/L Cis-1_2-dichloroethylene WW-81 10/16/2014 288 1 ug/L Cis-1_2-dichloroethylene WW-81 10/16/2015 252 1 ug/L Cis-1_2-dichloroethylene WW-81 10/13/2016 243 1 ug/L Cis-1_2-dichloroethylene WW-81 10/13/2018 195 1 ug/L Cis-1_2-dichloroethylene WW-81 10/13/2018 195 1 ug/L Cis-1_2-dichloroethylene WW-81 10/12/2019 84 1 ug/L Cis-1_2-dichloroethylene WW-81 10/12/2019 84 1 ug/L Cis-1_2-dichloroethylene WW-81 10/12/2019 87 1 ug/L Cis-1_2-dichloroethylene WW-81 10/19/2020 210 10 ug/L Cis-1_2-dichloroethylene WW-81 10/19/2020 10 ug/L Ci | Cis-1,2-dichloroethylene | MW-81 | 10/09/2012 | | 295 | 5 | ug/L |
| Cis-1_2-dichloroethylene MW-81 4/10/2014 286 10 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2015 252 1 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2015 252 1 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2015 201 1 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2016 247 1 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2017 205 1 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2017 188 5 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2018 195 1 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2019 84 1 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2009 83 1 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2000 188 1 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2000 180 1 ug/L Cis-1_2-dichloroethylene MW-81 10/10/2000 1 ug/L Cis-1_2-dichloroe | Cis-1,2-dichloroethylene | MW-81 | 4/04/2013 | | 238 | 5 | ug/L |
| Cis+1_2-dichloroethylene MV-81 4/03/2015 252 1 ug/L Cis+1_2-dichloroethylene MV-81 4/03/2015 252 1 ug/L Cis+1_2-dichloroethylene MV-81 4/14/2016 247 1 ug/L Cis+1_2-dichloroethylene MV-81 4/14/2016 243 10 ug/L Cis-1_2-dichloroethylene MV-81 4/14/2017 205 1 ug/L Cis-1_2-dichloroethylene MV-81 4/14/2018 195 1 ug/L Cis-1_2-dichloroethylene MV-81 4/14/2018 101 1 ug/L Cis-1_2-dichloroethylene MV-81 4/14/2019 127 1 ug/L Cis-1_2-dichloroethylene MV-81 4/12/2019 127 1 ug/L Cis-1_2-dichloroethylene MV-81 4/10/2020 210 10 ug/L Cis-1_2-dichloroethylene MV-81 4/10/2020 212 1 ug/L Cis-1_2-dichloroethylene MV-81 4/10/2020 214 1 ug/L Cis-1_2-dichloroethylene MV-81 4/10/2020 214 1 ug/L Cis-1_2-dichloroethylene MV-81 4/10/2020 214 1 ug/L Cis-1_2-dichloroethylene MV-81 4/14/2020 11 1 ug/L Cis-1_2-dichloroethylene MV-81 4/14/2020 11 1 ug/L Cis-1_2-dichloroethylene MV-81 4/14/2020 1 ug/L Cis-1_2-dichloroethylene MV-81 4/14/2020 1 ug/L Cis-1_2-dichloroethylene MV-81 1/14/2020 1 ug/L Cis-1_2-dichloroethylene MV-81 1/14/2020 1 ug/L Cis-1_2-dichloroethylene MV-81 1/14/2020 1 ug/L Cis-1_2-dichloroeth | Cis-1,2-dichloroethylene | MW-81 | 10/16/2013 | | 268 | 5 | 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 10/13/2016 247 1 ug/L Cis-1_2-dichloroethylene MW-81 10/13/2016 243 10 ug/L Cis-1_2-dichloroethylene MW-81 10/09/2017 205 1 ug/L Cis-1_2-dichloroethylene MW-81 10/09/2017 188 5 ug/L Cis-1_2-dichloroethylene MW-81 10/09/2017 188 5 ug/L Cis-1_2-dichloroethylene MW-81 10/02/2018 101 1 ug/L Cis-1_2-dichloroethylene MW-81 10/02/2018 84 1 ug/L Cis-1_2-dichloroethylene MW-81 10/02/2019 84 1 ug/L Cis-1_2-dichloroethylene MW-81 10/02/2019 84 1 ug/L Cis-1_2-dichloroethylene MW-81 10/02/2019 83 1 ug/L Cis-1_2-dichloroethylene MW-81 10/02/2010 83 1 ug/L Cis-1_2-dichloroethylene MW-81 10/09/202 10 ug/L Cis-1_2-dichloroethylene MW-81 10/09/202 10 ug/L Cis-1_2-dichloroethylene MW-81 10/09/202 10 ug/L Cis-1_2-dichloroethylene MW-81 10/08/2021 188 1 ug/L Cis-1_2-dichloroethylene MW-81 10/08/2021 188 1 ug/L Cis-1_2-dichloroethylene MW-81 10/08/2022 192 1 ug/L Cis-1_2-dichloroethylene MW-81 10/08/2022 225 10 ug/L Cis-1_2-dichloroethylene MW-81 10/08/2022 11 ug/L Cis-1_2-dichloroethylene MW-81 10/08/2023 11 ug/L Cis-1_2-dichloroethylene MW-81 | Cis-1,2-dichloroethylene | MW-81 | 4/10/2014 | | 226 | 10 | ug/L |
| Cis-12_cdichloroethylene MV-81 | Cis-1,2-dichloroethylene | MW-81 | 10/16/2014 | | 288 | 1 | ug/L |
| Cis+1_2-dichloroethylene MV-81 4/14/2016 247 1 ug/L Cis+1_2-dichloroethylene MV-81 10/13/2016 243 10 ug/L Cis+1_2-dichloroethylene MV-81 10/09/2017 205 1 ug/L Cis+1_2-dichloroethylene MV-81 10/09/2017 188 5 ug/L Cis+1_2-dichloroethylene MV-81 10/09/2018 101 1 ug/L Cis+1_2-dichloroethylene MV-81 10/22/2018 101 1 ug/L Cis+1_2-dichloroethylene MV-81 10/22/2018 101 1 ug/L Cis+1_2-dichloroethylene MV-81 10/23/2019 84 1 ug/L Cis+1_2-dichloroethylene MV-81 10/23/2019 83 1 ug/L Cis+1_2-dichloroethylene MV-81 10/12/2020 83 1 ug/L Cis+1_2-dichloroethylene MV-81 10/12/2020 83 1 ug/L Cis+1_2-dichloroethylene MV-81 10/12/2020 10 ug/L Cis+1_2-dichloroethylene MV-81 10/08/2021 148 1 ug/L Cis+1_2-dichloroethylene MV-81 10/08/2021 148 1 ug/L Cis+1_2-dichloroethylene MV-81 10/08/2021 188 1 ug/L Cis+1_2-dichloroethylene MV-81 10/08/2021 188 1 ug/L Cis+1_2-dichloroethylene MV-81 10/25/2022 225 10 ug/L Cis+1_2-dichloroethylene MV-81 10/25/2022 225 10 ug/L Cis+1_2-dichloroethylene MV-81 10/13/2023 140 1 ug/L Cis+1_2-dichloroethylene MV-81 10/13/2023 181 1 ug/L Cis+1_2-dichloroethylene MV-81 10/13/2023 1 ug/L C | Cis-1,2-dichloroethylene | MW-81 | 4/03/2015 | | 252 | 1 | ug/L |
| Cis+1_2-dichloroethylene MV-81 | Cis-1,2-dichloroethylene | MW-81 | 10/01/2015 | | 201 | 1 | ug/L |
| Cis+1_2-dichloroethylene MW-81 1009/2017 188 5 ug/L Cis+1_2-dichloroethylene MW-81 1009/2017 188 5 ug/L Cis+1_2-dichloroethylene MW-81 1002/2018 101 1 ug/L Cis+1_2-dichloroethylene MW-81 10/22/2019 84 1 ug/L Cis+1_2-dichloroethylene MW-81 10/23/2019 127 1 ug/L Cis+1_2-dichloroethylene MW-81 10/23/2019 127 1 ug/L Cis+1_2-dichloroethylene MW-81 10/23/2019 127 1 ug/L Cis+1_2-dichloroethylene MW-81 10/19/2020 130 1 ug/L Cis+1_2-dichloroethylene MW-81 10/19/2020 148 1 ug/L Cis+1_2-dichloroethylene MW-81 10/19/2020 148 1 ug/L Cis+1_2-dichloroethylene MW-81 10/08/2021 148 1 ug/L Cis+1_2-dichloroethylene MW-81 10/08/2021 188 1 ug/L Cis+1_2-dichloroethylene MW-81 10/08/2021 129 1 ug/L Cis+1_2-dichloroethylene MW-81 10/25/2022 225 10 ug/L Cis+1_2-dichloroethylene MW-81 10/25/2022 225 10 ug/L Cis+1_2-dichloroethylene MW-81 10/13/2023 181 1 ug/L Cis+1_2-dichloroethylene MW-81 10/13/2023 1 ug/L Tetrachloroethylene MW-81 10/13/2023 1 ug/L | Cis-1,2-dichloroethylene | MW-81 | 4/14/2016 | | 247 | 1 | ug/L |
| Cis+1_2-dichloroethylene MW-81 41/7/2018 195 1 ug/L Cis+1_2-dichloroethylene MW-81 41/7/2018 101 1 ug/L Cis+1_2-dichloroethylene MW-81 41/2/2019 84 1 ug/L Cis+1_2-dichloroethylene MW-81 41/2/2019 84 1 ug/L Cis+1_2-dichloroethylene MW-81 41/2/2019 84 1 ug/L Cis+1_2-dichloroethylene MW-81 41/2/2020 83 1 ug/L Cis+1_2-dichloroethylene MW-81 41/2/2020 210 10 ug/L Cis+1_2-dichloroethylene MW-81 41/2/2021 148 1 ug/L Cis+1_2-dichloroethylene MW-81 41/6/2021 148 1 ug/L Cis+1_2-dichloroethylene MW-81 41/6/2022 192 1 ug/L Cis+1_2-dichloroethylene MW-81 41/6/2022 192 1 ug/L Cis+1_2-dichloroethylene MW-81 41/6/2022 225 10 ug/L Cis+1_2-dichloroethylene MW-81 41/1/2033 140 1 ug/L Cis+1_2-dichloroethylene MW-81 41/1/2033 140 1 ug/L Cis+1_2-dichloroethylene MW-81 41/1/2033 141 1 ug/L Cis+1_2-dichloroethylene MW-81 41/6/2024 164 1 ug/L Cis+1_2-dichloroethylene MW-81 41/6/2028 3.6 1.0 ug/L Tetrachloroethylene MW-81 41/6/2038 1.1 1.0 ug/L Cis+1_2-dichloroethylene MW-81 41/6/2019 6.7 1.0 ug/L Cis+1_2-dichloroethylene MW-81 10/6/2011 1.0 ug/L Cis+1_2-dichlor | Cis-1,2-dichloroethylene | MW-81 | 10/13/2016 | | 243 | | |
| Cis-1_2-dichloroethylene MW-81 10/22/2018 101 1 ug/L Cis-1_2-dichloroethylene MW-81 10/22/2018 84 1 ug/L Cis-1_2-dichloroethylene MW-81 10/23/2019 84 1 ug/L Cis-1_2-dichloroethylene MW-81 10/23/2019 83 1 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2020 83 1 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2020 210 10 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2020 188 1 ug/L Cis-1_2-dichloroethylene MW-81 4/05/2021 148 1 ug/L Cis-1_2-dichloroethylene MW-81 4/05/2022 192 1 ug/L Cis-1_2-dichloroethylene MW-81 4/05/2022 225 10 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2020 225 10 ug/L Cis-1_2-dichloroethylene MW-81 4/10/2023 140 1 ug/L Cis-1_2-dichloroethylene MW-81 4/11/2023 181 1 ug/L Cis-1_2-dichloroethylene MW-81 4/16/2024 164 1 ug/L Cis-1_2-dichloroethylene MW-81 4/16/2024 164 1 ug/L Cis-1_2-dichloroethylene MW-81 8/10/2008 3.6 1.0 ug/L Tetrachloroethylene MW-81 8/10/2008 1.3 1.0 ug/L Tetrachloroethylene MW-81 4/10/2009 6.7 1.0 ug/L Tetrachloroethylene MW-81 4/10/2009 6.7 1.0 ug/L Tetrachloroethylene MW-81 10/06/2011 1.7 1.0 ug/L Tetrachloroethylene MW-81 10/06/2011 1.7 1.0 ug/L Tetrachloroethylene MW-81 10/06/2011 3.2 1.0 ug/L Trans-1_2-dichloroethylene MW-81 10/06/2011 3.2 1.0 ug/L Trans | Cis-1,2-dichloroethylene | MW-81 | 4/10/2017 | | 205 | | ug/L |
| Cis-12-dichloroethylene MW-81 10/22/2018 101 1 ug/L | Cis-1,2-dichloroethylene | MW-81 | 10/09/2017 | | 188 | 5 | |
| Cis-12-dichloroethylene MW-81 4/22/2019 84 1 ug/L Cis-12-dichloroethylene MW-81 10/23/2019 127 1 ug/L Cis-12-dichloroethylene MW-81 10/19/2020 83 1 ug/L Cis-12-dichloroethylene MW-81 10/19/2020 210 10 ug/L Cis-12-dichloroethylene MW-81 4/05/2021 148 1 ug/L Cis-12-dichloroethylene MW-81 4/05/2021 188 1 ug/L Cis-12-dichloroethylene MW-81 10/08/2021 188 1 ug/L Cis-12-dichloroethylene MW-81 4/06/2022 192 1 ug/L Cis-12-dichloroethylene MW-81 4/06/2022 192 1 ug/L Cis-12-dichloroethylene MW-81 4/11/2023 140 1 ug/L Cis-12-dichloroethylene MW-81 4/11/2023 140 1 ug/L Cis-12-dichloroethylene MW-81 4/11/2023 140 1 ug/L Cis-12-dichloroethylene MW-81 4/11/2023 181 1 ug/L Cis-12-dichloroethylene MW-81 4/11/2023 181 1 ug/L Cis-12-dichloroethylene MW-81 4/11/2023 181 1 ug/L Cis-12-dichloroethylene MW-81 8/04/2008 3.6 1.0 ug/L Tetrachloroethylene MW-81 8/04/2008 1.1 1.0 ug/L Tetrachloroethylene MW-81 4/05/2011 1.7 1.0 ug/L Tetrachloroethylene MW-81 4/05/2011 1.7 1.0 ug/L Tetrachloroethylene MW-81 10/06/2011 1.7 1.0 ug/L Tetrachloroethylene MW-81 10/06/2011 1.0 ug/L Tetrachloroethylene MW-81 10/08/2008 1.2 1.0 ug/L Trans-12-dichloroethylene MW-81 10/08/2008 3.8 1.0 ug/L Trans-12-dichloroethylene MW-81 10/08/2008 3.8 1.0 ug/L Trans-12-dichloroethylene MW-81 10/08/2008 3.8 1.0 ug/L Trans-12-dichloroethylene MW-81 10/08/2008 3.0 0 ug/L Trans-12-dichloroethylene MW-81 10/08/2009 2.2 | Cis-1,2-dichloroethylene | MW-81 | 4/17/2018 | | 195 | 1 | ug/L |
| Cis-12-dichloroethylene MW-81 | Cis-1,2-dichloroethylene | MW-81 | 10/22/2018 | | 101 | 1 | ug/L |
| Cis-1,2-dichloroethylene MW-81 4/10/2020 83 1 ug/L Cis-1,2-dichloroethylene MW-81 4/05/2021 148 1 ug/L Cis-1,2-dichloroethylene MW-81 4/05/2021 148 1 ug/L Cis-1,2-dichloroethylene MW-81 4/05/2022 192 1 ug/L Cis-1,2-dichloroethylene MW-81 4/05/2022 225 10 ug/L Cis-1,2-dichloroethylene MW-81 4/05/2022 225 10 ug/L Cis-1,2-dichloroethylene MW-81 4/05/2023 140 1 ug/L Cis-1,2-dichloroethylene MW-81 4/17/2023 140 1 ug/L Cis-1,2-dichloroethylene MW-81 4/16/2024 164 1 ug/L Cis-1,2-dichloroethylene MW-81 4/16/2024 164 1 ug/L Cis-1,2-dichloroethylene MW-81 4/16/2024 164 1 ug/L Tetrachloroethylene MW-81 3/28/2008 3.6 1.0 ug/L Tetrachloroethylene MW-81 4/05/2011 1.7 1.0 ug/L Tetrachloroethylene MW-81 10/09/2012 1.6 1.0 ug/L Tetrachloroethylene MW-81 10/09/2012 1.6 1.0 ug/L Tetrachloroethylene MW-81 10/09/2012 1.6 1.0 ug/L Tetrachloroethylene MW-81 4/05/2013 1.0 1.0 ug/L Tetrachloroethylene MW-81 4/05/2013 1.0 ug/L Tetrachloroethylene MW-81 3/28/2008 2.2 1.0 ug/L Tetrachloroethylene MW-81 3/28/2008 2.2 1.0 ug/L Trans-1,2-dichloroethylene MW-81 3/28/2008 3.3 1.0 ug/L Trans-1,2-dichloroethylene MW-81 3/28/2008 3.3 1.0 ug/L Trans-1,2-dichloroethylene MW-81 10/03/2008 2.2 1.0 ug/L Trans-1,2-dichloroethylene MW-81 10/03/2008 3.3 1.0 ug/L Trans-1,2-dichloroethylene MW-81 10/03/2008 3.3 1.0 ug/L Trans-1,2-dichloroethylene MW-81 10/03/2008 3.0 1.0 | Cis-1,2-dichloroethylene | MW-81 | 4/22/2019 | | 84 | 1 | ug/L |
| Cis-1,2-dichloroethylene MW-81 40/5/2021 148 1 ug/L Cis-1,2-dichloroethylene MW-81 10/08/2021 148 1 ug/L Cis-1,2-dichloroethylene MW-81 10/08/2021 128 1 ug/L Cis-1,2-dichloroethylene MW-81 10/08/2022 225 10 ug/L Cis-1,2-dichloroethylene MW-81 10/25/2022 225 10 ug/L Cis-1,2-dichloroethylene MW-81 41/12/203 140 1 ug/L Cis-1,2-dichloroethylene MW-81 41/12/2023 181 1 ug/L Cis-1,2-dichloroethylene MW-81 10/13/2023 181 1 ug/L Cis-1,2-dichloroethylene MW-81 10/13/2023 181 1 ug/L Cis-1,2-dichloroethylene MW-81 32/8/2008 3.6 1.0 ug/L Cis-1,2-dichloroethylene MW-81 40/1/2008 1.1 1.0 ug/L Cis-1,2-dichloroethylene MW-81 40/1/2009 6.7 1.0 ug/L Cis-1,2-dichloroethylene MW-81 40/1/2009 6.7 1.0 ug/L Cis-1,2-dichloroethylene MW-81 40/5/2011 1.7 1.0 ug/L Cis-1,2-dichloroethylene MW-81 40/6/2013 1.0 ug/L Cis-1,2-dichloroethylene MW-81 40/4/2013 1.0 ug/L Cis-1,2-dichloroethylene MW-81 40/4/2013 1.0 ug/L Cis-1,2-dichloroethylene MW-81 6/20/2008 2.2 1.0 ug/L Cis-1,2-dichloroethylene MW-81 6/20/2008 2.2 1.0 ug/L Cis-1,2-dichloroethylene MW-81 6/20/2008 3.8 1.0 ug/L Cis-1,2-dichloroethylene MW-81 40/4/2013 3.0 ug/L Cis-1,2-dichloroethylene MW-81 40/4/2013 3.0 ug/L Cis-1,2-dichloroethylene MW-81 40/4/2013 3.1 ug/L Cis-1,2-dichloroethylene MW-81 40/6/2011 3.4 ug/L Cis-1,2-dichloroethylene MW-81 40/6/2011 3.4 ug/L Cis-1,2-dichloroethylene MW-81 40/6/2011 3.4 ug | Cis-1,2-dichloroethylene | MW-81 | 10/23/2019 | | 127 | 1 | ug/L |
| Cis-12-dichloroethylene MW-81 4/05/2021 148 1 ug/L Us-12-dichloroethylene MW-81 4/06/2022 192 1 ug/L Us-12-dichloroethylene MW-81 4/06/2022 192 1 ug/L Us-12-dichloroethylene MW-81 4/06/2022 192 1 ug/L Us-12-dichloroethylene MW-81 4/11/2023 140 1 ug/L Us-12-dichloroethylene MW-81 4/11/2023 141 1 ug/L Us-12-dichloroethylene MW-81 4/11/2023 181 1 ug/L Us-12-dichloroethylene MW-81 4/16/2024 164 1 ug/L Us-12-dichloroethylene MW-81 3/28/2008 3.6 1.0 ug/L Us-12-dichloroethylene MW-81 3/28/2008 3.6 1.0 ug/L Us-12-dichloroethylene MW-81 4/05/2008 1.3 1.0 ug/L Us-12-dichloroethylene MW-81 4/05/2008 1.3 1.0 ug/L Us-12-dichloroethylene MW-81 4/05/2011 1.7 1.0 ug/L Us-12-dichloroethylene MW-81 4/05/2013 1.0 ug/L Us-12-dichloroethylene MW-81 4/05/2013 1.0 ug/L Us-12-dichloroethylene MW-81 6/20/2008 2.2 1.0 ug/L Us-12-dichloroethylene MW-81 3/28/2008 2.2 1.0 ug/L Us-12-dichloroethylene MW-81 3/28/2008 3.3 1.0 ug/L Us-12-dichloroethylene | Cis-1,2-dichloroethylene | MW-81 | 4/10/2020 | | 83 | 1 | ug/L |
| Cis-1,2-dichloroethylene MW-81 40/68/2022 192 1 ug/L | Cis-1,2-dichloroethylene | MW-81 | 10/19/2020 | | 210 | 10 | ug/L |
| Cis-1,2-dichloroethylene MW-81 10/08/2021 188 1 ug/L Us-1,2-dichloroethylene MW-81 10/25/2022 225 10 ug/L Us-1,2-dichloroethylene MW-81 10/25/2022 225 10 ug/L Us-1,2-dichloroethylene MW-81 10/13/2023 181 1 ug/L Us-1,2-dichloroethylene MW-81 12/08/2008 3.6 1.0 ug/L Us-1,2-dichloroethylene MW-81 3/04/2008 1.1 1.0 ug/L Us-1,2-dichloroethylene MW-81 3/04/2008 1.1 1.0 ug/L Us-1,2-dichloroethylene MW-81 4/01/2009 6.7 1.0 ug/L Us-1,2-dichloroethylene MW-81 4/05/2011 1.7 1.0 ug/L Us-1,2-dichloroethylene MW-81 4/05/2011 1.7 1.0 ug/L Us-1,2-dichloroethylene MW-81 10/06/2011 2.0 1.0 ug/L Us-1,2-dichloroethylene MW-81 10/06/2011 2.0 1.0 ug/L Us-1,2-dichloroethylene MW-81 4/04/2013 1.0 1.0 ug/L Us-1,2-dichloroethylene MW-81 4/04/2013 1.0 1.0 ug/L Us-1,2-dichloroethylene MW-81 4/04/2013 1.0 1.0 ug/L Us-1,2-dichloroethylene MW-81 8/04/2008 1.2 1.0 ug/L Us-1,2-dichloroethylene MW-81 8/04/2008 1.2 1.0 ug/L Us-1,2-dichloroethylene MW-81 8/04/2008 3.8 1.0 ug/L Us-1,2-dichloroethylene MW-81 10/03/2008 3.8 1.0 ug/L Us-1,2-dichloroethylene MW-81 10/03/2010 3.8 1.0 ug/L Us-1,2-dichloroethyle | | MW-81 | 4/05/2021 | | 148 | 1 | |
| Cis-1,2-dichloroethylene MW-81 4/06/2022 225 10 ug/L | | MW-81 | 10/08/2021 | | 188 | 1 | |
| Cis-1,2-dichloroethylene MW-81 10/25/2022 225 10 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 Tetrachloroethylene MW-81 3/28/2008 3.6 1.0 ug/L Tetrachloroethylene MW-81 3/28/2008 1.1 1.0 ug/L Tetrachloroethylene MW-81 3/28/2008 1.1 1.0 ug/L Tetrachloroethylene MW-81 4/10/2009 6.7 1.0 ug/L Tetrachloroethylene MW-81 10/06/2011 2.0 1.0 ug/L Tetrachloroethylene MW-81 10/06/2011 2.0 1.0 ug/L Tetrachloroethylene MW-81 10/06/2011 2.0 1.0 ug/L Tetrachloroethylene MW-81 4/10/2013 4.0 1.0 ug/L Tetrachloroethylene MW-81 4/10/2013 4.0 1.0 ug/L Tetrachloroethylene MW-81 4/10/2013 4.0 1.0 ug/L Toluene MW-81 8/20/2008 2.2 1.0 ug/L Toluene MW-81 8/10/2008 2.2 1.0 ug/L Trans-1,2-dichloroethylene MW-81 8/10/2008 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 4/10/2008 3.3 1.0 ug/L Trans-1,2-dichloroethylene MW-81 10/3/2008 2.8 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 4/10/2009 4.2 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10/2009 4.2 1.0 ug/L Trans-1,2-dichloroethylene MW-81 10/21/2009 4.2 1.0 ug | | | | | | 1 | |
| Cis-12-dichloroethylene MW-81 M/11/2023 140 1 ug/L 1 u | | | | | | | |
| Cis-1,2-dichloroethylene MW-81 4/16/2024 164 1 ug/L | - , | | | | | | |
| Cis-1; 2-dichloroethylene MW-81 3/28/2008 3.6 1.0 ug/L | | | | | | | |
| Tetrachloroethylene | | | | | | | |
| Tetrachloroethylene | | | | | | 1.0 | |
| Tetrachloroethylene | | | | | | | |
| Tetrachloroethylene | | | | | | | |
| Tetrachloroethylene | , | MW-81 | | | | | |
| Tetrachloroethylene | | | | | | | |
| Tetrachloroethylene | | | | | | | |
| Tetrachloroethylene | | | | | | | |
| Tetrachloroethylene MW-81 10/16/2013 4.0 1.0 ug/L Toluene MW-81 8/04/2008 2.2 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 3/28/2008 3.3 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 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 12/08/2008 3.0 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/01/2009 4.2 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/01/2009 4.2 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/02/2010 3.8 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 10/08/2011 3.4 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 4/10/2013 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 4/10/2014 2.6 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10/2014 2.5 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10/2014 2.5 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10/2014 2.5 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 4/10/2014 2.5 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 4/10/2016 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 4/10/2017 3.0 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10/2017 3.0 1.0 ug/L Trans-1,2-dichloroethyl | | | | | | | |
| Toluene | | | | | | | |
| Toluene | | | | | | | |
| Trans-1,2-dichloroethylene MW-81 3/28/2008 2.3 1.0 ug/L Trans-1,2-dichloroethylene MW-81 8(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(07/2009) 4.2 1.0 ug/L Trans-1,2-dichloroethylene MW-81 10/02/2010 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 10/08/2011 3.2 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/05/2011 3.2 1.0 ug/L Trans-1,2-dichloroethylene MW-81 10/16/2013 3.1 1.0 ug/L Trans-1,2-dichloroethylene MW-81 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | |
| Trans-1,2-dichloroethylene MW-81 MV-81 8/04/2008 3.3 1.0 ug/L | II I | | | | | | |
| Trans-1,2-dichloroethylene MW-81 10/03/2008 2.8 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 4.2 1.0 ug/L | | | | | | | |
| Trans-1,2-dichloroethylene MW-81 4/20/2010 4.2 1.0 ug/L | | MW-81 | | | 2.9 | 1.0 | |
| Trans-1,2-dichloroethylene MW-81 10/08/2010 3.8 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 4/03/2015 3.2 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 10/13/2016 3.1 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10 | | | | | | | |
| Trans-1,2-dichloroethylene MW-81 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 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 10/09/2013 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 10/16/2014 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 10/01/2015 3.2 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 4/10/2017 3.0 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10/2017 2.6 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/1 | | MW-81 | 4/05/2011 | | 3.4 | 1.0 | |
| 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 4/10/2014 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 4/10/2016 2.6 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10/2016 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 4/10/2017 3.0 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10/20 | | MW-81 | | | | 1.0 | |
| Trans-1,2-dichloroethylene MW-81 4/04/2013 3.1 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 4/03/2015 3.2 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 4/10/2015 2.2 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10/2016 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 4/10/2017 2.6 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10/2018 2.4 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/10/202 | | MW-81 | 4/10/2012 | | 3.2 | 1.0 | |
| 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 4/10/2015 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 4/10/2016 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 4/17/2018 2.4 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 4/10/20 | | | | | | | |
| Trans-1,2-dichloroethylene MW-81 4/10/2014 2.6 1.0 ug/L | | | | | | | |
| Trans-1,2-dichloroethylene MW-81 10/16/2014 2.6 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 4/03/2015 3.2 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 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 10/25/2022 2.4 1.0 ug/L Trans-1,2-dichloroethylene MW-81 4/11 | | | | | 2.2 | | |
| 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 4/10/2018 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 10/08/2021 1.8 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 4/1 | | | | | | | |
| 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 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 | | | | | | | |
| 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 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 10/08/2021 1.9 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 4/11/2023 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 4/16/ | | | | | | | |
| 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 4/16/2024 2.2 1.0 ug/L Trichloroethylene MW-81 7/13/1993 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 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 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. | | | | | | | |
| 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 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 | | | | | | | |
| 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 Trishloroethylene MW-81 4/16/2024 2.2 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 | | | | | | | |
| 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 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 | | | | | | | |
| 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 Trichloroethylene MW-81 4/16/2024 2.2 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 | | | | | | | |
| 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 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 | | | | | | | |
| 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 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 | | | | | | | |
| 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 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 | | | | | | | |
| Trans-1,2-dichloroethylene | | | | | | | |
| Trichloroethylene | | | | | | | |
| Trichloroethylene | | | | | | | |
| Trichloroethylene MW-81 1/25/1994 61.2 1.0 ug/L | | | | | | | |
| | | | | | | | |
| Inchloroemylene | Trichloroethylene | MW-81 | 4/14/1994 | | 30.0 | 1.0 | ug/L ug/L |
| Trichloroethylene | | | | | | | |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|-------------------------------------|----------------|-------------------------|------------|---------------|------------|--------------|
| 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 MW-81 | 1/06/2000 | | 72.2 | 1.0 | ug/L |
| Trichloroethylene | MW-81 | 4/13/2000 | | 57.8 100.0 | 1.0 1.0 | ug/L |
| Trichloroethylene | MW-81 | 7/05/2000 10/08/2000 | | 55.9 | 1.0 | ug/L |
| Trichloroethylene Trichloroethylene | MW-81 | 4/27/2001 | | 57.8 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 10/18/2001 | | 61.9 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 4/24/2002 | | 71.3 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 10/14/2002 | | 41.2 | 1.0 | ug/L 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 ug/L |
| Trichloroethylene | MW-81 | 4/26/2004 | | 39.4 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 4/11/2005 | | 44.5 | 1.0 | ug/L 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 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 | |
| Trichloroethylene | MW-81 | 4/14/2016 | | 4.7 | 1.0 | ug/L |
| Trichloroethylene | MW-81 | 10/13/2016 | | 2.1 | 1.0 | |
| Trichloroethylene | MW-81 | 4/10/2017 | | 5.4 | 1.0 | ug/L |
| Trichloroethylene | MW-81 | 10/09/2017 | | 9.4 | 1.0 | |
| Trichloroethylene | MW-81 | 4/17/2018 | | 4.3 | | 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 | |
| Vinyl chloride | MW-81 | 3/28/2008 | | 7.6 | 1.0 | |
| Vinyl chloride | MW-81 | 6/20/2008 | | 15.7 | | ug/L |
| Vinyl chloride | MW-81 | 8/04/2008 | | 12.4 | | ug/L |
| Vinyl chloride | MW-81 | 10/03/2008 | | 7.5 | 1.0 | |
| Vinyl chloride | MW-81 | 12/08/2008 | | 13.2 | | ug/L |
| Vinyl chloride | MW-81 | 4/01/2009 | | 8.3 | 1 0 | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|----------------------------------|----------------|-------------------------|------------|--------------|------------|--------------|
| 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 | |
| Vinyl chloride | MW-81 | 10/06/2011 | | 9.3 | 1.0 | |
| Vinyl chloride | MW-81 | 4/10/2012 | | 12.4 | 1.0 | ug/L |
| Vinyl chloride | MW-81 | 10/09/2012 | | 8.4 | 1.0 | |
| Vinyl chloride | MW-81 | 4/04/2013 | | 7.8 | 1.0 | |
| Vinyl chloride | MW-81 | 10/16/2013 | | 9.4 | 1.0 | ug/L |
| Vinyl chloride | MW-81 | 4/10/2014 | | 11.0 | 1.0 | |
| Vinyl chloride | MW-81 | 10/16/2014 | | 9.7 | 1.0 | |
| Vinyl chloride | MW-81 | 4/03/2015 | | 12.9 | 1.0 | |
| Vinyl chloride | MW-81 | 10/01/2015 | | 8.8 | 1.0 | |
| Vinyl chloride | MW-81 | 4/14/2016 | | 15.8 | 1.0 | |
| Vinyl chloride | MW-81 | 10/13/2016 | | 20.1 | 1.0 | ug/L |
| Vinyl chloride | MW-81 | 4/10/2017 | | 16.5 | 1.0 | |
| Vinyl chloride | MW-81 | 10/09/2017 | | 13.2 | 1.0 | |
| Vinyl chloride | MW-81 | 4/17/2018 | | 13.6 | 1.0 | ug/L |
| Vinyl chloride | MW-81 | 10/22/2018 | | 26.6 | 1.0 | |
| Vinyl chloride | MW-81 | 4/22/2019 | | 15.5 | | ug/L |
| Vinyl chloride | MW-81 | 10/23/2019 | | 24.2 | 1.0 | |
| Vinyl chloride Vinyl chloride | MW-81 MW-81 | 4/10/2020 10/19/2020 | | 13.9 | 1.0 | ug/L |
| , | MW-81 | 4/05/2021 | | 15.4 11.3 | | ug/L |
| Vinyl chloride Vinyl chloride | MW-81 | 10/08/2021 | | 7.2 | 1.0 1.0 | ug/L ug/L |
| Vinyl chloride Vinyl chloride | MW-81 | 4/06/2022 | | 7.2 | 1.0 | |
| Vinyl chloride Vinyl chloride | MW-81 | 10/25/2022 | | 8.4 | 1.0 | |
| Vinyl chloride | MW-81 | 4/11/2023 | | 7.7 | 1.0 | ug/L ug/L |
| Vinyl chloride | MW-81 | 10/13/2023 | | 6.7 | 1.0 | |
| Vinyl chloride | MW-81 | 4/16/2024 | | 6.8 | | ug/L ug/L |
| Acetone | MW-85 | 10/09/2017 | | 15.4 | 10.0 | |
| Acetone | MW-87 | 10/09/2017 | | 18.4 | 10.0 | ug/L ug/L |
| Benzene | MW-87 | 7/17/1997 | | 1.3 | 1.0 | ug/L ug/L |
| Bis(2-ethylhexyl) phthalate | MW-87 | 12/08/2008 | | 28 | 8 | ug/L ug/L |
| Bis(2-ethylhexyl) phthalate | MW-87 | 4/10/2014 | | 13 | 10 | ug/L 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 ug/L |
| Bis(2-ethylhexyl) phthalate | MW-89 | 12/10/2008 | | 60 | 10.0 | ug/L 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 | |
| 1,1-dichloroethane | MW-91 | 8/05/2008 | | 6.5 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 10/03/2008 | | 9.3 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 12/10/2008 | | 6.8 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-91 | 4/02/2009 | | 5.3 | | ug/L |
| 1,1-dichloroethane | MW-91 | 10/21/2009 | | 2.5 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 4/20/2010 | | 4.4 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 10/08/2010 | | 4.3 | | ug/L |
| 1,1-dichloroethane | MW-91 | 4/05/2011 | | 4.5 | | ug/L |
| 1,1-dichloroethane | MW-91 | 10/06/2011 | | 3.9 | | ug/L |
| 1,1-dichloroethane | MW-91 | 4/10/2012 | | 3.9 | | ug/L |
| 1,1-dichloroethane | MW-91 | 4/04/2013 | | 1.0 | | ug/L |
| 1,1-dichloroethane | MW-91 | 10/16/2013 | | 3.4 | | ug/L |
| 1,1-dichloroethane | MW-91 | 4/10/2014 | | 1.8 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 10/16/2014 | | 2.4 | | ug/L |
| 1,1-dichloroethane | MW-91 | 4/03/2015 | | 6.1 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 10/01/2015 | | 3.6 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 10/09/2017 | | 2.5 | | 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 | |
| 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 | |
| Bis(2-ethylhexyl) phthalate | MW-91 | 10/16/2013 | | 142 | 84 | |
| Carbon disulfide | MW-91 | 4/06/2022 | | 2.6 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-91 | 6/20/2008 | | 1.0 | 1.0 | |
| 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 | | ug/L |
| Cis-1,2-dichloroethylene | MW-91 | 10/06/2011 | | 1.1 | 1.0 | |
| | MW-91 | 4/03/2015 | | 1.5 | | ug/L |
| Cis-1,2-dichloroethylene | 10100-01 | | | | | |

Table 1
Historical Volatile Organic Compound Detections

| Trichloroethylene MW-91 9/11/2000 | Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|---------------------|-------|------------|------------|--------|-------|-------|
| Trichloroethylene MW-91 4/24/2002 1.0 1.0 ug/L Trichloroethylene MW-91 10/05/2004 1.2 1.0 ug/L Trichloroethylene MW-91 10/05/2005 1.9 1.0 ug/L Trichloroethylene MW-91 10/05/2005 1.9 1.0 ug/L Trichloroethylene MW-91 10/05/2005 1.9 1.0 ug/L 1.1-dichloroethane MW-94 4/05/2011 41.9 1.0 ug/L 1.1-dichloroethane MW-94 4/05/2011 41.9 1.0 ug/L 1.1-dichloroethane MW-94 4/05/2011 43.5 1.0 ug/L 1.1-dichloroethane MW-94 4/05/2011 43.5 1.0 ug/L 1.1-dichloroethane MW-94 4/05/2011 43.5 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2012 36.0 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2013 36.0 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2013 36.0 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2013 24.3 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2014 21.1 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2014 21.1 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2014 21.1 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2015 11.3 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2015 11.3 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2015 13.3 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2015 8.2 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2015 8.2 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2015 8.2 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2017 7.7 1.0 ug/L 1.1-dichloroethane MW-94 4/00/2017 8.3 1. | Trichloroethylene | MW-91 | 9/11/2000 | | 1.0 | 1.0 | ug/L |
| Trichloroethylene MW-91 10/14/2002 | , | | 1/25/2002 | | | | |
| Trichloroethylene MW-91 | | | | | | | |
| Trichloroethylene MW-91 4/11/2005 3 3 ug/L Trichloroethylene MW-94 10/08/2005 1.9 1.0 ug/L 1.1-dichloroethane MW-94 4/08/2011 41.9 1.0 ug/L 1.1-dichloroethane MW-94 4/08/2011 33.4 1.0 ug/L 1.1-dichloroethane MW-94 6/18/2011 33.4 1.0 ug/L 1.1-dichloroethane MW-94 6/18/2011 33.4 1.0 ug/L 1.1-dichloroethane MW-94 6/18/2011 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 4/10/2012 36.0 1.0 ug/L 1.1-dichloroethane MW-94 4/10/2013 23.3 1.0 ug/L 1.1-dichloroethane MW-94 4/10/2013 24.3 1.0 ug/L 1.1-dichloroethane MW-94 4/10/2013 24.3 1.0 ug/L 1.1-dichloroethane MW-94 4/10/2014 16.1 1.0 ug/L 1.1-dichloroethane MW-94 4/10/2014 16.1 1.0 ug/L 1.1-dichloroethane MW-94 4/10/2014 16.1 1.0 ug/L 1.1-dichloroethane MW-94 4/10/2016 8.6 1.0 ug/L 1.1-dichloroethane MW-94 4/10/2017 7.7 1.0 ug/L 1.1-dichloroethane MW-94 4/10/2018 5.7 1.0 ug/L 1.1-dichloroethane MW-94 4/10/2018 5.1 1.0 ug/ | | | | | | | |
| Irichloroethiyene MW-94 | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane MW-94 8/11/2011 30.9 1.0 ug/L 1,1-dichloroethane MW-94 10/06/2011 36.2 1.0 ug/L 1,1-dichloroethane MW-94 10/08/2012 36.2 1.0 ug/L 1,1-dichloroethane MW-94 10/08/2013 23.3 1.0 ug/L 1,1-dichloroethane MW-94 10/16/2013 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 10/16/2014 12.1 1.0 ug/L 1,1-dichloroethane MW-94 10/16/2014 16.1 1.0 ug/L 1,1-dichloroethane MW-94 10/16/2014 8.6 1.0 ug/L 1,1-dichloroethane MW-94 10/18/2016 8.6 1.0 ug/L 1,1-dichloroethane MW-94 10/18/2016 9.8 1.0 ug/L 1,1-dichloroethane MW-94 10/18/2019 5.4 1.0 ug/L 1,1-dichloroethane MW-94 10/18/2019 5.4 1.0 ug/L 1,1-dichloroethane MW-94 10/18/2019 5.4 1.0 ug/L 1,1-dichloroethane MW-94 10/18/2019 3.5 1.0 ug/L 1,1-dichloroethane MW-94 10/18/2019 3.5 1.0 ug/L 1,1-dichloroethane MW-94 10/18/2020 3.5 1.0 ug/L 1,1-dichloroethane | | | | | | | |
| 1,1-dichloresthane | | | | | | | |
| 1,1-dichloroethane | 1,1-dichloroethane | MW-94 | 10/06/2011 | | 43.5 | 1.0 | |
| 1,1-dichloresthane | 1,1-dichloroethane | MW-94 | 4/10/2012 | | 36.2 | 1.0 | ug/L |
| 1.1-dichloroethane | | | | | | | |
| 1.1-dichloroethane | | | | | | | |
| 1.1-dichloroethane | ' | | | | | | |
| 1.1-dichloroethane | | | | | | | |
| 1.1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1.1-dichloroethane | | | | | - | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane MW-94 4/22/2019 5,4 1.0 ug/L 1,1-dichloroethane MW-94 4/22/2019 5,4 1.0 ug/L 1,1-dichloroethane MW-94 4/10/2020 3.5 1.0 ug/L 1,1-dichloroethane MW-94 4/10/2020 3.5 1.0 ug/L 1,1-dichloroethane MW-94 4/10/2020 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 4/05/2021 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 4/06/2022 1.9 1.0 ug/L 1,1-dichloroethane MW-94 4/12/2023 1.6 1.0 ug/L 1,1-dichloroethane MW-94 4/11/2023 1.6 1.0 ug/L 1,2-dichloroethane MW-94 4/10/2015 1.1 1.0 ug/L 1,2-dichloroethane MW-94 4/10/2015 1.1 1.0 ug/L 1,2-dichloroethane MW-94 4/10/2017 1.4 1.0 ug/L 1,2-dichloroethane MW-94 4/10/2017 1.5 1.0 ug/L 1,2-dichloroethane MW-94 4/10/2017 1.5 1.0 ug/L 1,2-dichloroethane MW-94 4/10/2017 1.5 1.0 ug/L 1,2-dichloropropane MW-94 4/10/2013 4.4 1.0 ug/L 1,2-dichloropropane MW-94 4/10/2013 4.4 1.0 ug/L 1,2-dichloropropane MW-94 4/10/2015 2.4 1.0 ug/L 1,2-dichloropropane MW-94 4/10/2015 2.4 1.0 ug/L 1,2-dichloropropane MW-94 4/10/2016 2.8 1.0 ug/L 1,2-dichloropropane MW-94 4/10/2016 2.8 1.0 ug/L 1,2-dichloropropane MW-94 4/10/2016 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 4/10/2016 2.8 1.0 ug/L 1,2-dichloropropane MW-94 4/10/2016 2.4 1.0 ug/L 1,2-dichloropropane MW-94 4/10/2016 2.2 1.0 ug/L 1,2-dichloropropane MW-94 4/10/2016 2.2 1.0 ug/L 1,2-dichloropropane MW-94 4/10/2016 2.2 1.0 | 1,1-dichloroethane | | 10/09/2017 | | 8.3 | 1.0 | ug/L |
| 1,1-dichloroethane | | | | | - | - | ug/L |
| 1,1-dichloroethane | ' | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | ' | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | | | | | | | |
| 1,1-dichloroethane | 1,1-dichloroethane | MW-94 | 4/11/2023 | | 1.6 | 1.0 | |
| 1,2-dichloroethane | 1,1-dichloroethane | MW-94 | 10/13/2023 | | 2.4 | 1.0 | ug/L |
| 1,2-dichloroethane | | | | | | | |
| 1,2-dichloroethane | | | | | | | |
| 1,2-dichloroethane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | 1,2-dichloropropane | MW-94 | 4/04/2013 | | 4.4 | 1.0 | ug/L |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | 1,2-dichloropropane | MW-94 | | | 2.4 | | |
| 1,2-dichloropropane | 1,2-dichloropropane | | 4/10/2020 | | | 1.0 | ug/L |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 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 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 4/14/2011 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 | | | | | | | |
| 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 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 | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 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 4/10/2011 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 | | | | | | | |
| 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 | | | | | | | |
| 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 | II | | | | | | |
| 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 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 | | | 10/13/2023 | | | 10.0 | 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 | II | | | | | | |
| Benzene MW-94 10/09/2012 1.2 1.0 ug/L Benzene MW-94 4/04/2013 2.0 1.0 ug/L | II _ | | | | | | |
| Benzene MW-94 4/04/2013 2.0 1.0 ug/L | II _ | | | | | | |
| | | | | | | | |
| DOINZONG | | | | | | | |
| Benzene MW-94 4/10/2014 1.4 1.0 ug/L | II | | | | | | |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|----------------|-------------------------|------------|--------------|------------|--------------|
| 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 Benzene | MW-94 MW-94 | 10/13/2016 4/10/2017 | | 4.5 2.8 | 1.0 1.0 | ug/L ug/L |
| Benzene | MW-94 | 10/09/2017 | | 3.6 | 1.0 | ug/L ug/L |
| Benzene | MW-94 | 4/17/2018 | | 2.4 | 1.0 | ug/L 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 |
| 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 Chloroethane | MW-94 MW-94 | 10/16/2014 4/03/2015 | | 16.4 13.0 | 1.0 1.0 | ug/L |
| Chloroethane | MW-94 | | | 9.5 | 1.0 | ug/L ug/L |
| Chloroethane | MW-94 | 10/01/2015 4/14/2016 | | 9.5 | 1.0 | ug/L ug/L |
| Chloroethane | MW-94 | 10/13/2016 | | 11.8 | 1.0 | ug/L ug/L |
| Chloroethane | MW-94 | 4/10/2017 | | 8.9 | 1.0 | ug/L 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 |
| Cis-1,2-dichloroethylene | MW-94 | 1/14/2011 | | 112.0 | 1.0 | |
| 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 | |
| Cis-1,2-dichloroethylene | MW-94 | 8/11/2011 | | 153.0 | | ug/L |
| Cis-1,2-dichloroethylene | MW-94 | 10/06/2011 | | 89.4 | | ug/L |
| Cis-1,2-dichloroethylene | MW-94 | 4/10/2012 | | 131.0 | 1.0 | |
| 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 | |
| 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 | |
| Cis-1,2-dichloroethylene | MW-94 | 4/03/2015 | | 102.0 | 1.0 | |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-94 | 10/01/2015 | | 88.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-94 MW-94 | 4/14/2016 | | 89.5 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-94 | 10/13/2016 4/10/2017 | | 63.0 43.3 | 1.0 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-94 | 10/09/2017 | | 56.4 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-94 | 4/17/2018 | | 28.6 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-94 | 10/22/2018 | | 27.4 | 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-94 | 4/22/2019 | | 30.2 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-94 | 10/23/2019 | | 23.0 | | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-94 | 4/10/2020 | | 21.4 | | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-94 | 10/19/2020 | | 27.4 | 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-94 | 4/05/2021 | | 13.2 | | ug/L |
| | | | | | | |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|------------------|-------------------------|------------|------------|------------|--------------|
| 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 |
| 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 Trans-1,2-dichloroethylene | MW-94 MW-94 | 10/16/2014 4/03/2015 | | 1.2 1.2 | 1.0 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-94 | 10/13/2016 | | 1.2 | 1.0 | ug/L ug/L |
| Trans-1,2-dichloroethylene | MW-94 | 1 | | 1.0 | 1.0 | |
| Trans-1,2-dichloroethylene | MW-94 | 4/10/2020 10/19/2020 | | 1.0 | 1.0 | ug/L ug/L |
| Trans-1,2-dichloroethylene | MW-94 | 10/19/2020 | | 1.2 | 1.0 | ug/L ug/L |
| Trans-1,2-dichloroethylene | MW-94 | 10/23/2022 | | 1.6 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-94 | 1/14/2011 | | 59.7 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-94 | 4/05/2011 | | 109.0 | 1.0 | ug/L 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 MW-94 | 4/04/2013 | | 5.3 4.8 | 1.0 1.0 | ug/L |
| Vinyl chloride Vinyl chloride | MW-94 | 10/16/2013 4/10/2014 | | 4.6 | 1.0 | ug/L ug/L |
| Vinyl chloride | MW-94 | 10/16/2014 | | 6.2 | 1.0 | ug/L ug/L |
| Vinyl chloride | MW-94 | 4/03/2015 | | 4.5 | 1.0 | ug/L ug/L |
| Vinyl chloride | MW-94 | 10/01/2015 | | 3.6 | 1.0 | ug/L ug/L |
| Vinyl chloride | MW-94 | 4/14/2016 | | 2.9 | 1.0 | ug/L ug/L |
| Vinyl chloride | MW-94 | 10/13/2016 | | 2.6 | 1.0 | ug/L ug/L |
| Vinyl chloride | MW-94 | 4/10/2017 | | 3.2 | 1.0 | ug/L 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 | | ug/L |
| Vinyl chloride | MW-94 | 10/25/2022 | | 1.2 | 1.0 | |
| 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 | | 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 | |
| Cis-1,2-dichloroethylene | MW-96 | 10/09/2012 | | 1.0 | | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-96R | 10/08/2021 | | 6 | 6 | ug/L |
| Acetone | MW-98 SRAMP A | 10/09/2017 | | 18.4 | 10.0 | |
| 1 1 diable re - + | | 4/22/2019 | | 1.4 | 1.0 | ug/L |
| 1,1-dichloroethane | | | ' | | | |
| 1,2-dichloropropane | SRAMP A | 4/22/2019 | | 1.7 | 1.0 | ug/L |
| | | | | | 1.0 1.0 | ug/L |

Attachment G

Assessment Statistics for VOCs

marshall2024s1 May 2024

Marshall [VOC] May 2024

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 | 1.450 | 0.265 | 1.176 | 1.139 | 1.761 | 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 | 5.775 | 1.746 | 1.176 | 3.721 | 7.829 | 75.000 | | |
| Acetone | ug/L | MW-49 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6300.000 | | |
| Benzene | ug/L | MW-49 | 4 | 1.725 | 1.115 | 1.176 | 0.414 | 3.036 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-49 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6.000 | | |
| Chlorobenzene | ug/L | MW-49 | 4 | 0.775 | 0.320 | 1.176 | 0.398 | 1.152 | 100.000 | | |
| Chloroethane | ug/L | MW-49 | 4 | 6.300 | 1.194 | 1.176 | 4.895 | 7.705 | 2800.000 | dec | |
| Cis-1,2-dichloroethylene | ug/L | MW-49 | 4 | 1.650 | 0.835 | 1.176 | 0.668 | 2.632 | 70.000 | dec | |
| Tetrachloroethylene | ug/L | MW-49 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | uec | |
| | | MW-49 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trans-1,2-dichloroethylene | ug/L | | | | | | | | | | |
| 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 | 0.650 | 0.300 | 1.176 | 0.297 | 1.003 | 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 | 2.775 | 1.075 | 1.176 | 1.510 | 4.040 | 75.000 | inc | |
| Acetone | ug/L | MW-54 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6300.000 | | |
| Benzene | ug/L | MW-54 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-54 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6.000 | | |
| Chlorobenzene | ug/L ug/L | MW-54 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Chloroethane | ug/L ug/L | MW-54 | 4 | 0.300 | 0.550 | 1.176 | 0.300 | 1.422 | 2800.000 | dec | |
| | | | | | | | | | 70.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-54 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | | dec | |
| Tetrachloroethylene | ug/L | MW-54 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 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 | 27.450 | 2.565 | 1.176 | 24.433 | 30.467 | 140.000 | dec | |
| 1,2-dichloroethane | ug/L | MW-81 | 4 | 11.900 | 3.636 | 1.176 | 7.623 | 16.177 | 5.000 | inc | ** |
| 1,2-dichloropropane | ug/L | MW-81 | 4 | 6.625 | 2.244 | 1.176 | 3.985 | 9.265 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | MW-81 | 4 | 5.200 | 0.638 | 1.176 | 4.450 | 5.950 | 75.000 | inc | |
| Acetone | ug/L | MW-81 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6300.000 | 1110 | |
| | | | | | | | | | | | |
| Benzene | ug/L | MW-81 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-81 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6.000 | | |
| Chlorobenzene | ug/L | MW-81 | 4 | 1.675 | 0.206 | 1.176 | 1.433 | 1.917 | 100.000 | | |
| Chloroethane | ug/L | MW-81 | 4 | 6.475 | 0.772 | 1.176 | 5.567 | 7.383 | 2800.000 | dec | |
| Cis-1,2-dichloroethylene | ug/L | MW-81 | 4 | 177.500 | 35.856 | 1.176 | 135.323 | 219.677 | 70.000 | | ** |
| Tetrachloroethylene | ug/L | MW-81 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-81 | 4 | 2.325 | 0.150 | 1.176 | 2.149 | 2.501 | 100.000 | dec | |
| Trichloroethylene | ug/L | MW-81 | 4 | 2.550 | 0.819 | 1.176 | 1.587 | 3.513 | 5.000 | dec | |
| Vinyl chloride | ug/L | MW-81 | 4 | 7.400 | 0.804 | 1.176 | 6.454 | 8.346 | 2.000 | | ** |
| 1,1-dichloroethane | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | | + |
| 1,2-dichloroethane | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,2-dichloropropane | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene | | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| | ug/L | | | | | | | | | | |
| Acetone | ug/L | MW-89 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6300.000 | | |
| Benzene | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-89 | 4 | 8.500 | 7.000 | 1.176 | 0.266 | 16.734 | 6.000 | | |
| Chlorobenzene | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Chloroethane | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2800.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 70.000 | | |
| Tetrachloroethylene | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Frans-1,2-dichloroethylene | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| √inyl chloride | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |
| | | MW-91 | 4 | | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | doo | + |
| 1,1-dichloroethane | ug/L | | | 0.500 | | | | | | dec | |
| 1,2-dichloroethane | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,2-dichloropropane | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| Acetone | ug/L | MW-91 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6300.000 | | |
| Benzene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-91 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6.000 | | |
| Chlorobenzene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Chloroethane | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2800.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 70.000 | | |
| Tetrachloroethylene | | | | | | | | | | | |
| | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinyl chloride | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |
| | ug/L | | | | | | | | | | |
| 1,1-dichloroethane | ug/L ug/L | MW-94 | 4 | 1.925 | 0.562 | 1.176 | 1.264 | 2.586 | 140.000 | dec | |

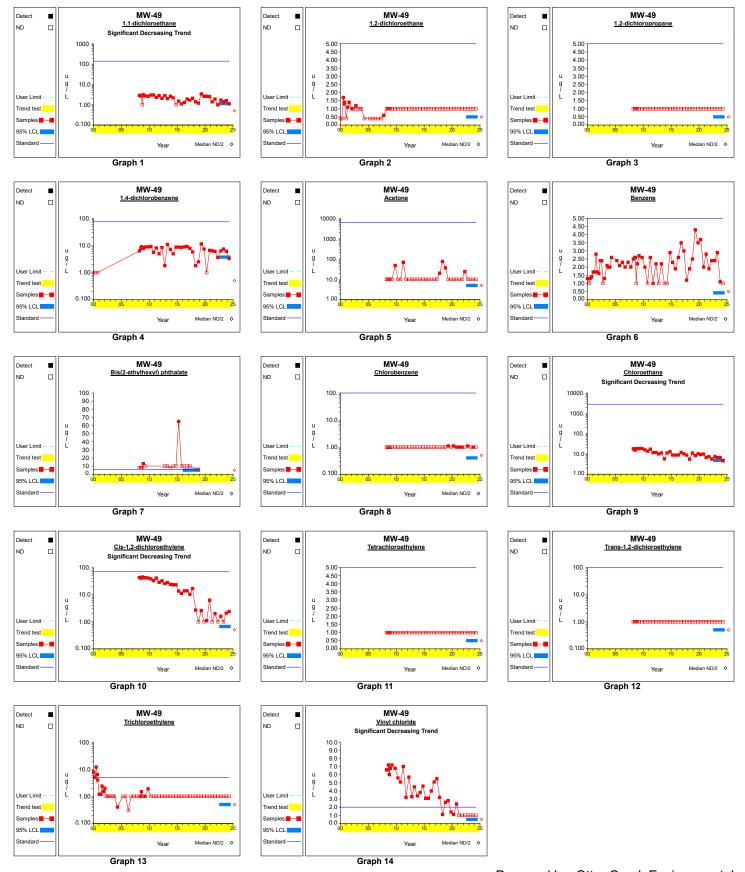
^{* -} Insufficient Data ** - Significant Exceedance LCL = Lower Confidence Limit UCL = Upper Confidence Limit

Marshall [VOC] May 2024

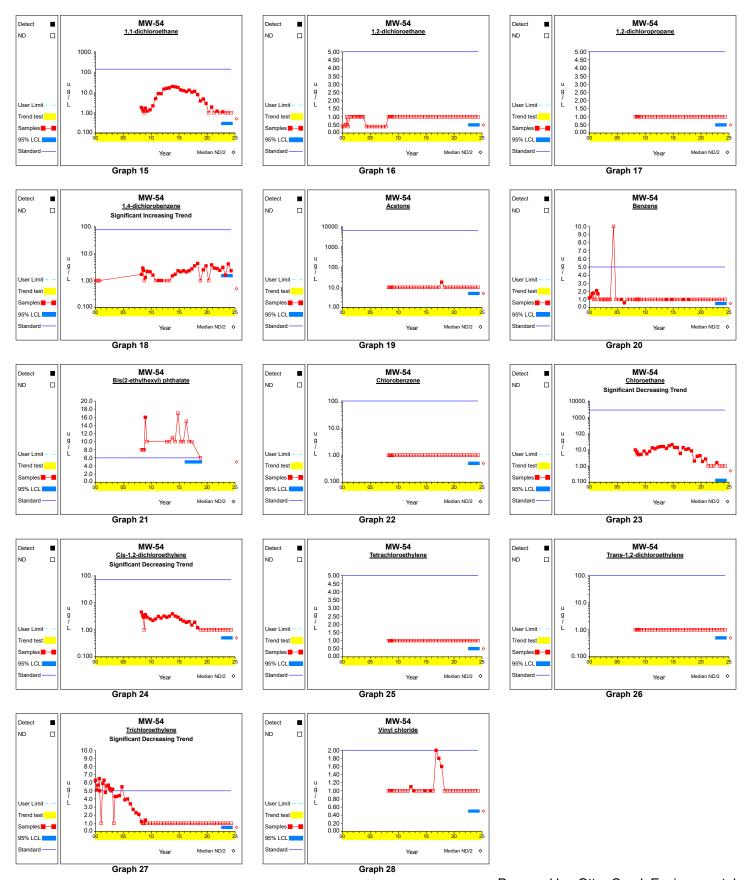
Table 1 Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

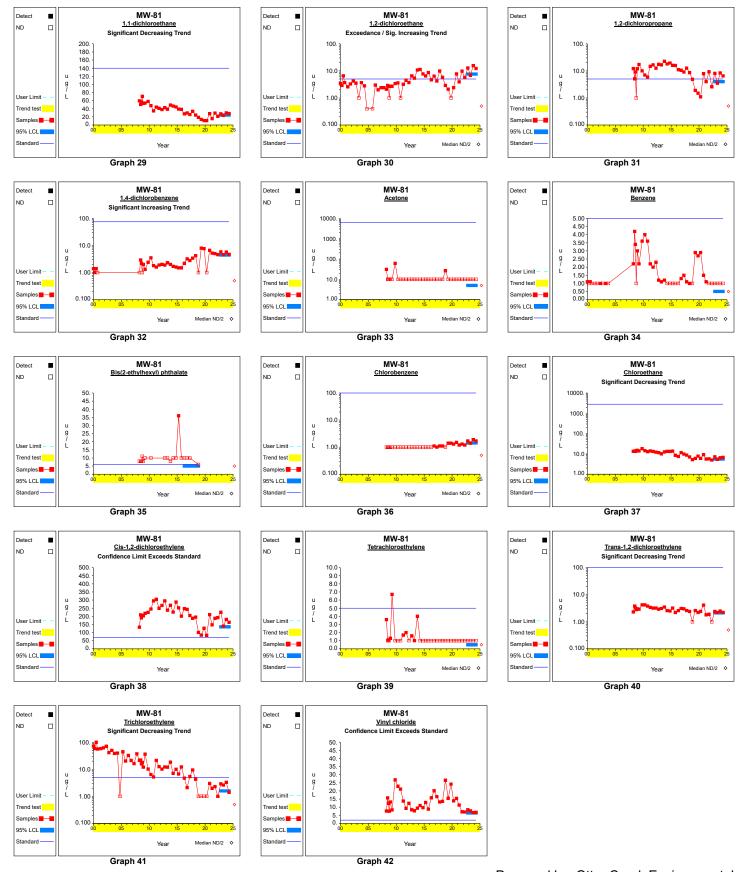
| 1.4-dichlorobenzene | Constituent | Units | Well | N | Mean | SD | Factor | 95% LCL | 95% UCL | Standard | Trend | |
|--|-----------------------------|-------|--------|---|--------|--------|--------|---------|---------|----------|-------|--------|
| 1.4-dichlorobenzene | 1,2-dichloropropane | ug/L | | 4 | | | 1.176 | | | | | |
| Benzene ug/L WW-94 4 1.925 0.171 1.176 1.724 2.126 5.000 Bis(2-ethylhexyl) phthalate ug/L WW-94 4 0.500 0.000 1.176 0.500 0.500 100.000 dec Chlorobenzene ug/L WW-94 4 4.375 0.299 1.176 4.024 4.726 2800.000 dec Clein-12-dichloroethylene ug/L WW-94 4 4.375 0.299 1.176 4.024 4.726 2800.000 dec Clein-12-dichloroethylene ug/L WW-94 4 4.375 0.299 1.176 4.024 33.486 70.000 dec Clein-12-dichloroethylene ug/L WW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Clein-12-dichloroethylene ug/L WW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Clein-12-dichloroethylene ug/L WW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Clein-12-dichloroethane ug/L WW-94 4 1.875 0.457 1.176 0.500 0.500 5.000 dec Clein-12-dichloroethane ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Clein-12-dichloroethane ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 0.500 1.2-dichloropropane ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 0.500 1.2-dichloroethylene ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 0.500 1.2-dichloroethylene ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 7.5000 0.5 | 1,4-dichlorobenzene | ug/L | MW-94 | 4 | 0.500 | | 1.176 | | 0.500 | 75.000 | | |
| Benzene ug/L WW-94 4 1.925 0.171 1.176 1.724 2.126 5.000 Bis(2-ethylhexyl) phthalate ug/L WW-94 4 0.500 0.000 1.176 0.500 0.500 100.000 dec Chlorobenzene ug/L WW-94 4 4.375 0.299 1.176 4.024 4.726 2800.000 dec Clein-12-dichloroethylene ug/L WW-94 4 4.375 0.299 1.176 4.024 4.726 2800.000 dec Clein-12-dichloroethylene ug/L WW-94 4 4.375 0.299 1.176 4.024 33.486 70.000 dec Clein-12-dichloroethylene ug/L WW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Clein-12-dichloroethylene ug/L WW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Clein-12-dichloroethylene ug/L WW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Clein-12-dichloroethane ug/L WW-94 4 1.875 0.457 1.176 0.500 0.500 5.000 dec Clein-12-dichloroethane ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Clein-12-dichloroethane ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 0.500 1.2-dichloropropane ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 0.500 1.2-dichloroethylene ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 0.500 1.2-dichloroethylene ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 7.5000 0.5 | Acetone | ug/L | MW-94 | 4 | 7.650 | 5.300 | 1.176 | | 13.884 | 6300.000 | | |
| Bis(2-ethylhexyl) pithalate ug/L MW-94 4 5.000 0.000 1.176 5.000 5.000 6.000 Chloroethane ug/L MW-94 4 4.375 0.299 1.176 4.024 4.726 2800.000 dec Cis-1,2-dichloroethylene ug/L MW-94 4 4.375 0.299 1.176 4.024 4.726 2800.000 dec Cis-1,2-dichloroethylene ug/L MW-94 4 0.500 0.000 1.176 0.500 0.500 0.500 dec Cis-1,2-dichloroethylene ug/L MW-94 4 0.500 0.000 1.176 0.500 0.500 0.500 dec Cis-1,2-dichloroethylene ug/L MW-94 4 0.500 0.000 1.176 0.500 0.500 dec Cis-1,2-dichloroethylene ug/L MW-94 4 0.500 0.000 1.176 0.500 0.500 dec Cis-1,2-dichloroethylene ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 dec Cis-1,2-dichloroethane ug/L WW-95 4 0.500 0.000 1.176 0.500 0.500 0.500 dec Cis-1,2-dichloroethane ug/L WW-95 4 0.500 0.000 1.176 0.500 0 | Benzene | ug/L | MW-94 | 4 | 1.925 | 0.171 | 1.176 | | 2.126 | 5.000 | | |
| Chlorobenzene ug/L MV-94 4 0.500 0.000 1.176 0.500 0.500 100.000 dec Chloroethane ug/L MW-94 4 4.375 0.299 1.176 4.024 4.726 2800.000 dec Cis-1_2-dichloroethylene ug/L MW-94 4 1.8850 12.442 1.176 4.214 33.486 70.000 dec Tetrachloroethylene ug/L MW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Trichloroethylene ug/L MW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Trichloroethylene ug/L MW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Unity of thoroethylene ug/L MW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Unity of thoroethylene ug/L MW-94 4 1.875 0.457 1.176 1.337 2.413 2.000 dec Unity of thoroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Unity of thoroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Unity of thoroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 0.12-dichloroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 0.12-dichloroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 0.12-dichloroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 0.12-dichloroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 0.500 | Bis(2-ethylhexyl) phthalate | ug/L | MW-94 | 4 | 5.000 | 0.000 | 1.176 | | | 6.000 | | |
| Chloroethane | Chlorobenzene | ug/L | MW-94 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Cis-1,2-dichloroethylene ug/L MW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Tetrachloroethylene ug/L MW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec Trans-1,2-dichloroethylene ug/L MW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-94 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 dec MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 dec MW-95 | Chloroethane | ug/L | MW-94 | 4 | 4.375 | 0.299 | 1.176 | 4.024 | 4.726 | 2800.000 | dec | |
| Tetrachloroethylene ug/L MW-94 | Cis-1,2-dichloroethylene | ug/L | MW-94 | 4 | 18.850 | 12.442 | 1.176 | 4.214 | 33.486 | 70.000 | dec | |
| Trans-1,2-dichioroethylene | Tetrachloroethylene | ug/L | MW-94 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Trichloroethylene | Trans-1,2-dichloroethylene | | MW-94 | 4 | 0.950 | 0.545 | 1.176 | 0.309 | 1.591 | 100.000 | dec | |
| \text{Vinyl chloride} \text{ ug/L MW-94 } 4 \text{ 1.875 } 0.457 \text{ 1.176 } 1.337 \text{ 2.413 } 2.000 \text{ dec } 1.71.71 \text{ dichloroethane} \text{ ug/L MW-95 } 4 0.500 0.000 1.176 0.500 0.500 5.000 1.2-dichloroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 1.2-dichloropropane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 1.2-dichloropropane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 1.2-dichloroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 1.2-dichloroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 1.2-dichloroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 1.2-dichloroethane ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 1.2-dichloroethylene ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 100.000 1.2-dichloroethylene ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 2800.000 100.000 1.2-dichloroethylene ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 100.000 1.2-dichloroethylene ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 100.000 1.176 0.500 0.500 100.000 100.000 1.176 0.500 0.500 100.000 100.000 100.000 1.176 0.500 0.500 100.000 100.000 100.000 100.000 100.000 100.000 1.176 0.500 0.500 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.00 | Trichloroethylene | | MW-94 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | dec | |
| 1,1-dichloroethane | Vinyl chloride | | MW-94 | 4 | 1.875 | 0.457 | 1.176 | 1.337 | 2.413 | 2.000 | dec | |
| 1,2-dichloroethane 1,2-dichloropane 1,2- | 1,1-dichloroethane | | MW-95 | | 0.500 | | | | | 140.000 | | П |
| 1,2-dichloropropane 1,2-dichloropropane 1,4-dichlorobenzene 1,4-di | 1,2-dichloroethane | | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene ug/L ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 75.000 9.777 6300.000 Benzene 0.500 0.000 1.176 0.500 0.500 75.000 0.500 75.000 0.500 75.000 0.500 | 1,2-dichloropropane | | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Acetone Ug/L MW-95 4 6.425 2.850 1.176 3.073 9.777 6300.000 | 1.4-dichlorobenzene | ua/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| Benzene | Acetone | ua/L | MW-95 | 4 | 6.425 | 2.850 | 1.176 | 3.073 | 9.777 | 6300.000 | | |
| Bis(2-ethylhexyl) phthalate | Benzene | | MW-95 | 4 | 0.500 | | 1.176 | | 0.500 | | | |
| Chloroethane | Bis(2-ethylhexyl) phthalate | ua/L | MW-95 | 0 | | | | | | | | * |
| Chloroethane | Chlorobenzene | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Cis-1,2-dichloroethylene ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 70.000 Tetrachloroethylene ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 Trichloroethylene ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 100.000 Vinyl chloride ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 5.000 Vinyl chloride ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 2.000 1,1-dichloroethane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 1,2-dichloroethane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 1,4-dichlorobenzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.00 | Chloroethane | ug/L | | | | | | | | | | |
| Tetrachloroethylene | | ua/L | MW-95 | | | | | | | | | |
| Trans-1,2-dichloroethylene ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | | | MW-95 | 4 | 0.500 | 0.000 | 1.176 | | 0.500 | 5.000 | | |
| Trichloroethylene | | ua/L | | | | | | | | | | |
| Vinyl chloride ug/L MW-95 4 0.500 0.000 1.176 0.500 0.500 2.000 1,1-dichloroethane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 140.000 1,2-dichloroethane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 1,2-dichloropropane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 1,4-dichlorobenzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 75.000 Acetone ug/L MW-96R 4 5.000 0.000 1.176 5.000 5.000 6300.000 Benzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Bis(2-ethylhexyl) phthalate ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 | | ua/L | MW-95 | 4 | 0.500 | | 1.176 | | | | | |
| 1,1-dichloroethane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 140.000 1,2-dichloroethane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 1,2-dichloropropane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 1,4-dichlorobenzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 75.000 Acetone ug/L MW-96R 4 0.500 0.000 1.176 0.500 5.000 6300.000 Benzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Bis(2-ethylhexyl) phthalate ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Chlorobenzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 2800.000 <td></td> <td>ua/L</td> <td>MW-95</td> <td>4</td> <td></td> <td>0.000</td> <td>1.176</td> <td></td> <td></td> <td>2.000</td> <td></td> <td> </td> | | ua/L | MW-95 | 4 | | 0.000 | 1.176 | | | 2.000 | | |
| 1,2-dichloroethane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 1,2-dichloropropane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 1,4-dichlorobenzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 75.000 Acetone ug/L MW-96R 4 0.500 0.000 1.176 5.000 5.000 6300.000 Benzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Bis(2-ethylhexyl) phthalate ug/L MW-96R 2 0.500 0.000 1.176 0.500 0.500 5.000 Chlorobenzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 100.000 Chloroethane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 2800.000 Cis-1,2-dichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Trans-1,2-dichloroethylene ug/L MW-96R 4 0.500 <t< td=""><td>1.1-dichloroethane</td><td></td><td>MW-96R</td><td>4</td><td>0.500</td><td>0.000</td><td></td><td></td><td></td><td></td><td></td><td>\Box</td></t<> | 1.1-dichloroethane | | MW-96R | 4 | 0.500 | 0.000 | | | | | | \Box |
| 1,2-dichloropropane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 1,4-dichlorobenzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 75.000 Acetone ug/L MW-96R 4 0.500 0.000 1.176 5.000 5.000 6300.000 Benzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Bis(2-ethylhexyl) phthalate ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Chlorobenzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 100.000 Chloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 2800.000 Cis-1,2-dichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 70.000 | 1.2-dichloroethane | ua/L | MW-96R | 4 | 0.500 | 0.000 | | | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 75.000 Acetone ug/L MW-96R 4 0.500 0.000 1.176 5.000 5.000 6300.000 Bis(2-ethylhexyl) phthalate ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Chlorobenzene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 100.000 Chloroethane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 2800.000 Cis-1,2-dichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 70.000 Trans-1,2-dichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 70.000 Trichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 | 1.2-dichloropropane | ua/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | | 0.500 | 5.000 | | |
| Acetone ug/L ug/L MW-96R MW-96R 4 4 4 5.000 0.500 0.000 1.176 1.176 0.500 5.000 0.500 6300.000 5.000 Benzene Bis(2-ethylhexyl) phthalate Ug/L Why-96R 4 4 0.500 0.000 0.000 1.176 1.176 0.500 0.500 0.500 5.000 5.000 5.000 5.000 * Chlorobenzene Chloroethylane Cis-1,2-dichloroethylene Ug/L Why-96R 4 4 0.500 0.500 0.000 1.176 0.500 0.500 0.500 0.500 0.500 2800.000 70.000 Tetrachloroethylene Trans-1,2-dichloroethylene Ug/L Why-96R 4 0.500 0.000 0.000 0.000 1.176 0.500 0.000 0.500 0.500 0.500 0.500 100.000 0.500 Trichloroethylene Ug/L Why-96R 4 0.500 0.000 0.000 0.000 1.176 0.500 0.500 0.500 0.500 0.500 0.500 5.000 0.500 | | ua/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | | 0.500 | 75.000 | | |
| Benzene Ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 * Chloroethane Ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 0.500 * Chloroethylene Ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 0.500 2800.000 Cis-1,2-dichloroethylene Ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 0.500 70.000 Tetrachloroethylene Ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 0.500 0.500 Trans-1,2-dichloroethylene Ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 0.500 100.000 Trichloroethylene Ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 0.500 0.500 Trichloroethylene Ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 0.500 0.500 | Acetone | | | | | | | | | | | |
| * Bis(2-ethylhexyl) phthalate | I . | ug/L | | | | | | | | | | |
| Chlorobenzene ug/L bdf. MW-96R bdf. 4 bdf. 0.500 bdf. 0.000 bdf. 1.176 bdf. 0.500 bd | | ug/L | | | | | | | | | | * |
| Chloroethane ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 2800.000 Cis-1,2-dichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 70.000 Tetrachloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Trichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Trichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 | | ua/l | MW-96R | | 0.500 | 0.000 | 1 176 | 0.500 | 0.500 | 100 000 | | |
| Cis-1,2-dichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 70.000 Tetrachloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Trans-1,2-dichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 100.000 Trichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 | Chloroethane | ug/L | | | | | | | | | | |
| Tetrachloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 Trans-1,2-dichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 100.000 Trichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 | | | | | | | | | | | | |
| Trans-1,2-dichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 100.000 Trichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 | | ug/L | | | | | | | | | | |
| Trichloroethylene ug/L MW-96R 4 0.500 0.000 1.176 0.500 0.500 5.000 | | ug/L | | | | | | | | | | |
| | | ug/L | | | | | | | | | | |
| | Vinvl chloride | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |

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

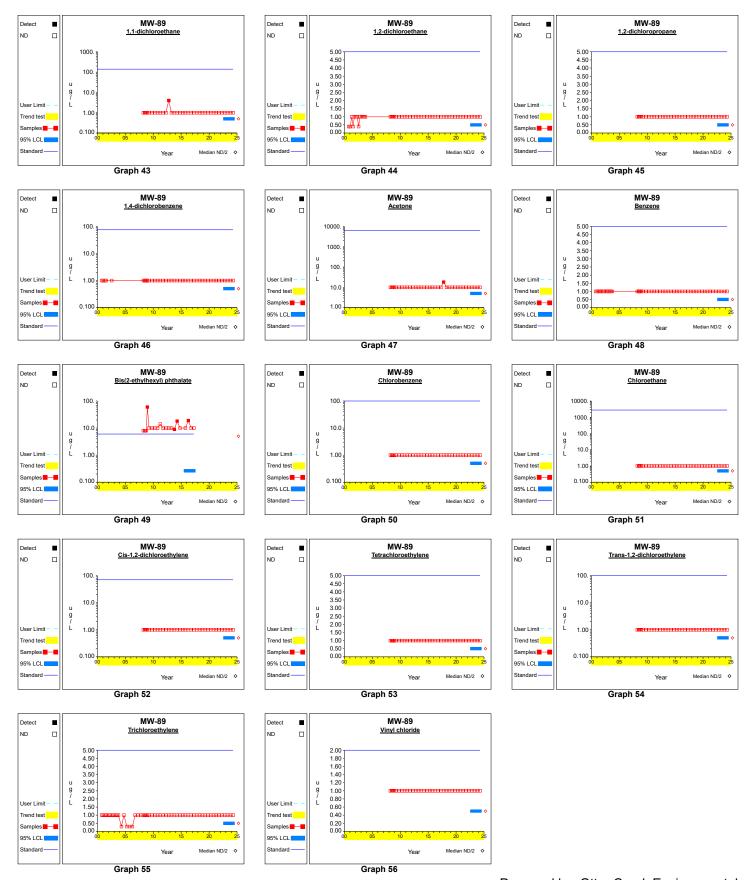


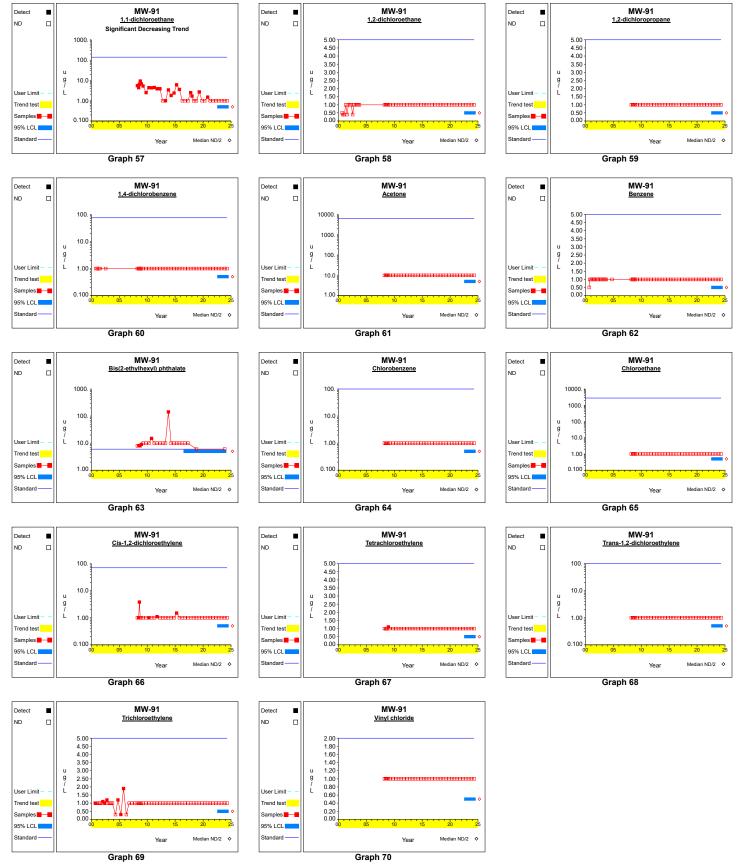
Prepared by: Otter Creek Environmental

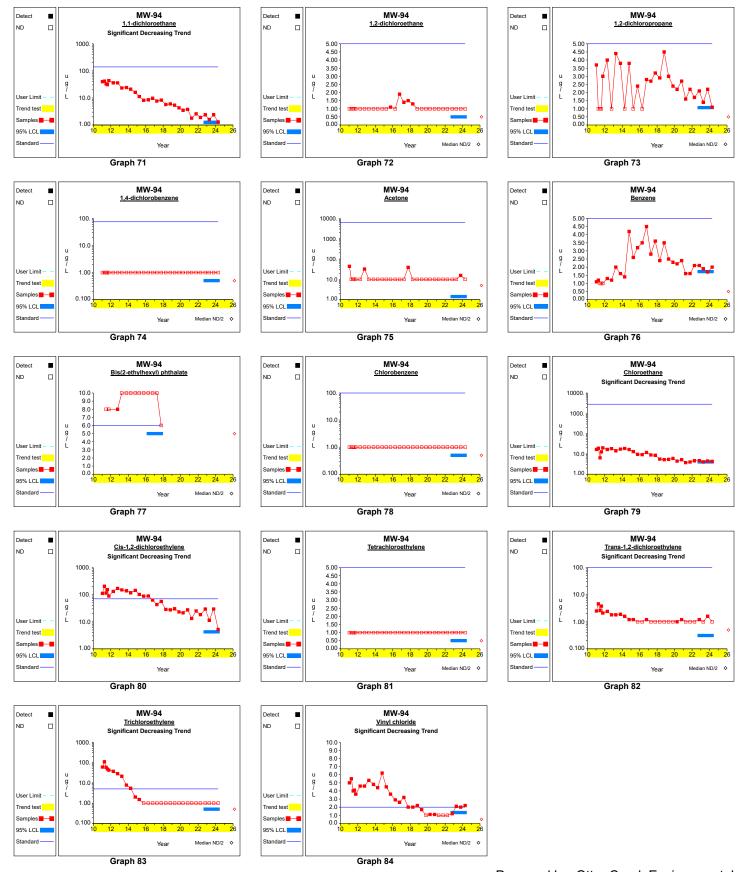


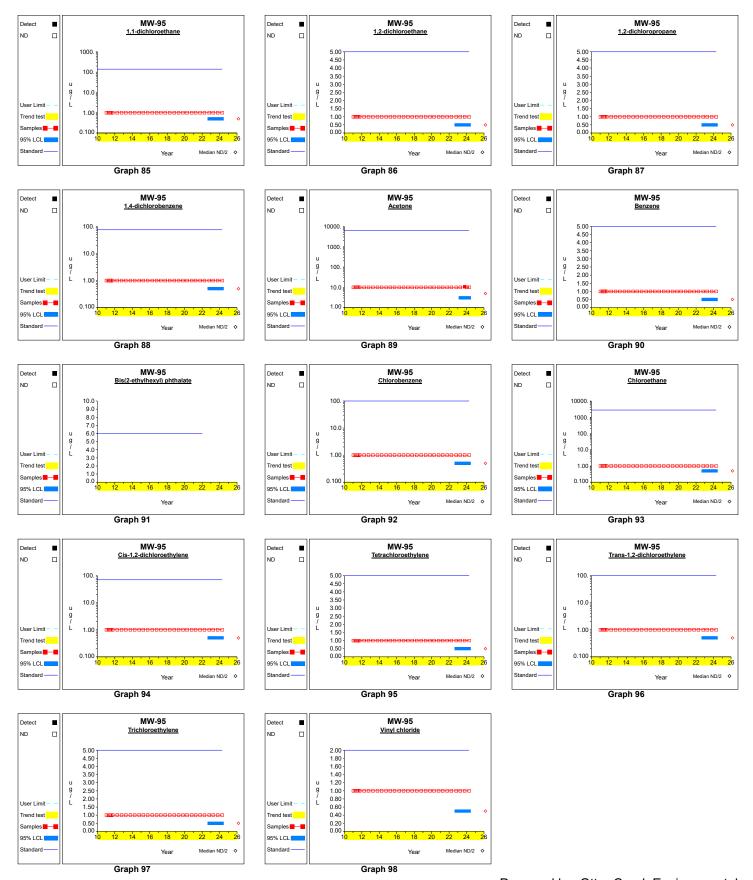


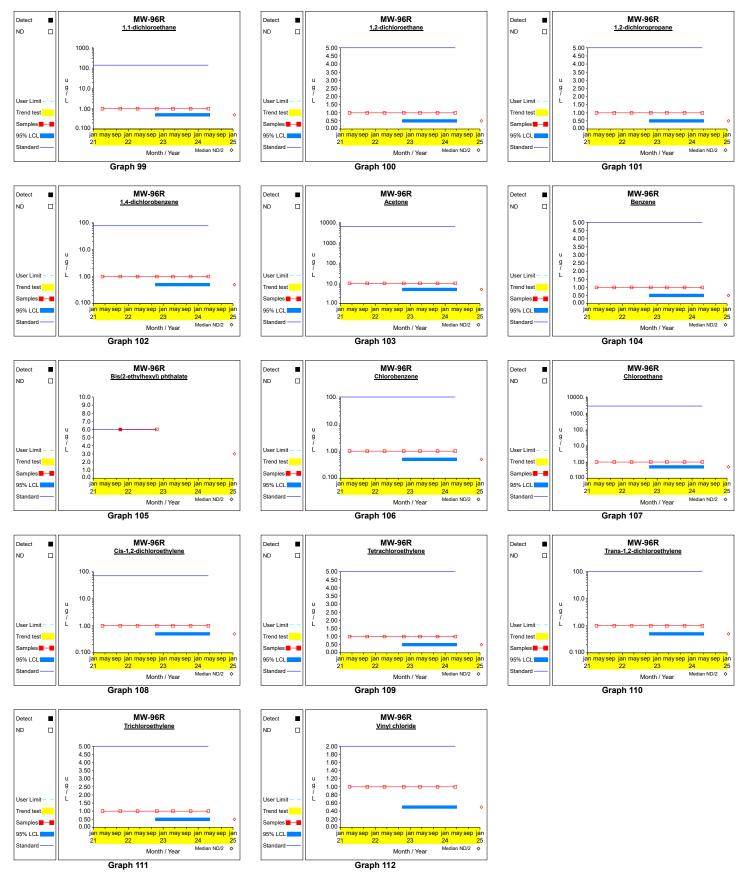
Prepared by: Otter Creek Environmental











Appendix B.2 – Fall Statistical Evaluation Report

GROUND WATER STATISTICS

FOR THE

MARSHALL COUNTY SANITARY LANDFILL

Second Semi-Annual Monitoring Event in 2024

Prepared for:

Marshall County Sanitary Landfill
2313 Marshalltown Blvd.

Marshalltown, Marshall County, IA 50158

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

November 2024

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 2024 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 1,2-Dichloroethane Benzene Styrene Bromochloromethane 1.1-Dichloroethene 1.1.1.2-Tetrachloroethane cis-1.2-Dichloroethene 1.1.2.2-Tetrachloroethane Bromodichloromethane trans-1,2-Dichloroethene Tetrachloroethene Bromoform Carbon disulfide 1,2-Dichloropropane Toluene Carbon tetrachloride cis-1,3-Dichloropropene 1,1,1-Trichloroethane trans-1,3-Dichloropropene 1.1.2-Trichloroethane Chlorobenzene Chloroethane Ethylbenzene Trichloroethene Chloroform 2-Hexanone Trichlorofluoromethane Dibromochloromethane Bromomethane 1,2,3-Trichloropropane 1.2-Dibromo-3-chloropropane Chloromethane Vinvl 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 Silver, Total Barium, Total Copper, Total Cadmium, Total Lead, Total Vanadium, Total Cadmium, Total Nickel, Total Zinc, Total

The ground water data obtained during the second semi-annual monitoring event in 2024 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. 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 2024, the site prediction limit exceedances detected are summarized in the table below.

| Trace Metal Prediction Limit | Exceedances During the Second S | Semi-Annual Monitoring Event in 2024 |
|------------------------------|--|--------------------------------------|
| | | |

| Well | Trace Metal Detected | Result, μg/L | Prediction Limit, µg/L | Prediction Limit Type | Verified/ Awaiting Verification |
|--------|----------------------|-----------------|---------------------------|--------------------------|------------------------------------|
| | Arsenic | 15.2 | 7.8000 | Nonparametric | Verified |
| MW-93 | Cobalt | 9.9 | 5.9879 | Normal | Verified |
| | Nickel | 27.1 | 8.8000 | Nonparametric | Verified |
| MW-96R | Cobalt | 10.5 | 5.9879 | 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 (8.367 μ g/L) exceeds the Iowa Statewide Standard of 2.1 μ g/L. The remainder of the calculated 95% LCLs are below the respective GWPS.

Supplemental Wells

Monitoring wells MW-49, MW-54, MW-81, MW-94, and MW-96R 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 nickel at MW-54, cobalt and nickel at MW-94, and barium at MW96R.

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. There is generally insufficient background data at MW-96R.

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 5% 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 2024 monitoring are summarized below.

VOCs Detected During the Second Semi-Annual Monitoring Event in 2024

| Well | VOC Detected | Result, μg/L | Reporting Limit, µg/L | Verified or Awaiting Verification | Ground Water Standard |
|-------|--------------------------|--------------|-----------------------|--------------------------------------|--------------------------|
| | 1,1-Dichloroethane | 1.2 | 1 | Verified | 140 ^b |
| | 1,4-Dichlorobenzene | 7.9 | 1 | Verified | 75ª |
| MW-49 | Benzene | 3.7 | 1 | Verified | 75ª |
| | Chlorobenzene | 1.1 | 1 | Verified | 100ª |
| | Chloroethane | 5.5 | 1 | Verified | 2800 ^b |
| MW-54 | 1,4-Dichlorobenzene | 2.9 | 1 | Verified | 75ª |
| | 1,1-Dichloroethane | 24.8 | 1 | Verified | 140 ^b |
| | 1,2-Dichloroethane | 11.2 | 1 | Verified | 5ª |
| | 1,2-Dichloropropane | 6.9 | 1 | Verified | 5ª |
| | 1,4-Dichlorobenzene | 5.6 | 1 | Verified | 75ª |
| | Chlorobenzene | 1.8 | 1 | Verified | 100ª |
| MW-81 | Chloroethane | 6.0 | 1 | Verified | 2800 ^b |
| | cis-1,2-Dichloroethene | 127 | 1 | Verified | 70ª |
| | trans-1,2-Dichloroethene | 2.4 | 1 | Verified | 100ª |
| | Trichloroethene | 2.2 | 1 | Verified | 5ª |
| | Vinyl chloride | 6.5 | 1 | Verified | 2ª |
| | 1,1-Dichloroethane | 1.0 | 1 | Verified | 140 ^b |
| | 1,2-Dichloropropane | 1.0 | 1 | Verified | 5ª |
| | Benzene | 1.8 | 1 | Verified | 75ª |
| MW-94 | Chloroethane | 3.0 | 1 | Verified | 2800 ^b |
| | cis-1,2-Dichloroethene | 6.0 | 1 | Verified | 70ª |
| | Vinyl chloride | 2.0 | 1 | Verified | 2ª |

a - USEPA MCL

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-dichloropropane at MW-81 (7.275 μg/L) exceeds the USEPA MCL of 5 μg/L.

 $b-Iowa\ Statewide\ Standard$

The 95% LCL for cis-1,2-dichloroethene at MW-81 (124.590 μ g/L) exceeds the USEPA MCL of 70 μ g/L. The 95% LCL for vinyl chloride at MW-81 (6.300 μ g/L) exceeds the USEPA MCL of 2 μ g/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 2024

Table 1

Analytical Data Summary for 10/15/2024

| Constituents | Units | LW-75 | MW-213 | MW-49 | MW-54 | MW-81 | MW-85 | MW-87 | MW-89 | MW-91 | MW-93 | MW-94 | MW-95 | MW-96R | MW-97 | MW-98 | MW-99 |
|-----------------------------|--------------|-------|--------|----------|----------|-----------|-------|-------|------------|-------|------------|-----------|-------|--------|-------|------------|-------|
| 1,1,1,2-tetrachloroethane | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | | 1.9 | 1.2 | <1.0 | 24.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-dichloroethylene | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1.2-dichlorobenzene | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | | <1.0 | <1.0 | <1.0 | 11.2 | <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 | ug/L | | 3.8 | <1.0 | <1.0 | 6.9 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 | <1.0 | <1.0 | | <1.0 | <1.0 |
| 1,4-dichlorobenzene | ug/L | | <1.0 | 7.9 | 2.9 | 5.6 | <1.0 | <1.0 | <1.0 | <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 | <10 | | <10 | <10 |
| 2-hexanone (mbk) | ug/L | | <5 | <5 | <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 | | <5 | <5 |
| Acetone | ug/L | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 |
| Acrylonitrile | ug/L ug/L | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| Alkalinity, as caco3 | mg/L | 1730 | \ \ | 1170 | 612 | 907 | \3 | _5 | \ 5 | | \ 5 | 752 | \3 | <0 | \ \ | \ 0 | \ \ |
| | | 1730 | <2 | <2 | <2 | 907 <2 | <2 | <2 | <2 | <2 | <2 | /52 <2 | <2 | <2 | <2 | <2 | <2 |
| Antimony, total | ug/L | 47.0 | | | 5.4 | | | <4.0 | | | | | | 6.6 | | | <4.0 |
| Arsenic, total | ug/L | 17.6 | <4.0 | 520.0 | | 6.0 | <4.0 | | <4.0 | <4.0 | 15.2 | 75.8 | <4.0 | | | <4.0 | |
| Barium, total | ug/L | | 720.0 | 213.0 | 481.0 | 1580.0 | 136.0 | 100.0 | 215.0 | 242.0 | 242.0 | 305.0 | 32.3 | 338.0 | | 137.0 | 88.8 |
| Benzene | ug/L | | <1.0 | 3.7 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.8 | <1.0 | <1.0 | | <1.0 | <1.0 |
| Beryllium, total | ug/L | | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Bod (5 day) | mg/L | 82 | | | | | | | | | | | | | | | |
| Bromochloromethane | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | | <.8 | <.8 | <.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 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chemical oxygen demand | mg/L | 1050 | | | | | | | | | | | | | | | |
| Chloride | mg/L | 1220 | | | | | | | | | | | | | | | |
| Chlorobenzene | ug/L | | <1.0 | 1.1 | <1.0 | 1.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroethane | ug/L | | 1.4 | 5.5 | <1.0 | 6.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | ug/L | | 19 | <1 | <1 | 127 | <1 | <1 | <1 | <1 | <1 | 6 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | 18.8 | <.4 | 66.9 | 9.9 | 8.2 | <.4 | <.4 | <.4 | <.4 | 9.9 | 8.8 | <.4 | 10.5 | | 1.9 | .9 |
| Copper, total | ug/L | .5.0 | <4 | <4 | <4 | <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 | <1 | <1 | <1 |
| Dibromomethane | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethane | ug/L ug/L | <5 | `' | <5 | <5 | <5 | *1 | `' | ~1 | `' | `' | <5 | `' | ~1 | `' | , , | `' |
| Ethene | ug/L ug/L | <5 | | <5 | <5 | <5 | | | | | | <5 <5 | | | | | |
| Ethylbenzene | | \ \ \ | <1 | <5 <1 | <0 <1 | <5 <1 | <1 | <1 | <1 | <1 | <1 | <5 <1 | <1 | <1 | <1 | <1 | <1 |
| | ug/L | | | <4 | <4 | <4 | | | - 1 | | <1 <4 | <4 | <4 | <4 | | | |
| Lead, total | ug/L | F 500 | <4 | • 1 | | | <4 | <4 | <4 | <4 | <4 | | <4 | <4 | <4 | <4 | <4 |
| Methane | ug/L | 5530 | | 4770 | 78 | 560 | | | | . | | 1380 | | | . | | |
| Methyl iodide | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| Nickel, total | ug/L | | <4.0 | 33.9 | 22.6 | 9.4 | <4.0 | <4.0 | <4.0 | <4.0 | 27.1 | 7.4 | <4.0 | 4.6 | <4.0 | <4.0 | <4.0 |
| Nitrogen, ammonia | mg/L | 109 | | | | | | | | | | | | | | | |

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

Table 1

Analytical Data Summary for 10/15/2024

| Constituents | Units | LW-75 | MW-213 | MW-49 | MW-54 | MW-81 | MW-85 | MW-87 | MW-89 | MW-91 | MW-93 | MW-94 | MW-95 | MW-96R | MW-97 | MW-98 | MW-99 |
|-----------------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| pH | pН | 6.6 | | 6.3 | 6.4 | 6.3 | | | | | | 6.4 | | | | | |
| Selenium, total | ug/L | | <4 | <4 | <4 | <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 | <4 | <4 | <4 |
| Solids, total dissolved | mg/L | 3780 | | | | | | | | | | | | | | | |
| Solids, total suspended | mg/L | 7 | | | | | | | | | | | | | | | |
| Styrene | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | mg/L | 138 | | | | | | | | | | | | | | | |
| Tetrachloroethylene | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Toluene | ug/L | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L | | <1.0 | <1.0 | <1.0 | 2.4 | <1.0 | <1.0 | <1.0 | <1.0 | <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 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | | <1.0 | <1.0 | <1.0 | 2.2 | <1.0 | <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 | <1 | <1 | <1 |
| Vanadium, total | ug/L | | <20 | <20 | <20 | <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 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | | 1.4 | <1.0 | <1.0 | 6.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Xylenes, total | ug/L | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | 20.3 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

marshall2024s2 November 2024

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 | | |
| Mickel, Iolai | | | | | | | |

^{* -} 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 | 2 0000 | ** |
| Thallium, total | ug/L | MW-66 | 10/16/2014 | ND ND | 4.0000 | 2.0000 2.0000 | ** |
| Thallium, total | ug/L | MW-66 MW-66 | 01/14/2015 04/03/2015 | ND ND | 4.0000 4.0000 | | ** |
| Thallium, total Thallium, total | ug/L | MW-66 | | ND ND | I | 2.0000 | ** |
| Thallium, total | ug/L | MW-66 | 07/06/2015 10/01/2015 | ND | 4.0000 1.0000 | 2.0000 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 04/14/2016 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 10/13/2016 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 04/10/2017 | ND | 4.0000 | 2.0000 | ** |
| Vanadium, total | ug/L ug/L | MW-66 | 10/16/2014 | ND | 20.0000 | 2.0000 | |
| 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 2.0000 | | |
| Antimony, total | ug/L | MW-85 | 10/25/2022 | ND | | | |
| 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 Arsenic, total | ug/L | MW-85 | 10/15/2024 | ND | 2.0000 | | - |
| | ug/L | MW-85 MW-85 | 10/16/2014 | ND | 4.0000 | | |
| Arsenic, total Arsenic, total | ug/L | MW-85 | 01/14/2015 04/03/2015 | ND ND | 4.0000 4.0000 | | |
| Arsenic, total | ug/L ug/L | MW-85 | 07/06/2015 | ND | 4.0000 | | |
| | ug/L ug/L | MW-85 | 10/01/2015 | ND | 4.0000 | | |
| Arsenic, total | | | | | | | |

^{* -} 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 | 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 | | |
| 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 ug/L | MW-85 | 10/08/2021 | | 121.0000 | | |
| Barium, total | ug/L ug/L | MW-85 | 04/06/2022 | | 133.0000 | | |
| l = | ug/L ug/L | MW-85 | 10/25/2022 | | 138.0000 | | |
| Barium, total | | MW-85 | 04/11/2023 | | 141.0000 | | |
| Barium, total | ug/L | | | | | | |
| Barium, total | ug/L | MW-85 MW-85 | 10/13/2023 04/17/2024 | | 143.0000 144.0000 | | |
| Barium, total Barium, total | ug/L ug/L | MW-85 | 10/15/2024 | | 136.0000 | | |
| 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 ug/L | MW-85 | 04/03/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L ug/L | MW-85 | 07/06/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L ug/L | MW-85 | 10/01/2015 | ND | 4.0000 | | |
| | | MW-85 | | ND | 4.0000 | | |
| Beryllium, total | ug/L | | 04/14/2016 | | | | |
| Beryllium, total | ug/L | MW-85 | 10/13/2016 | ND ND | 4.0000 | | |
| Beryllium, total Beryllium, total | ug/L | MW-85 | 04/10/2017 | ND | 4.0000 | | |
| | ug/L | MW-85 | 10/09/2017 | | 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 MW-85 | 04/22/2019 10/23/2019 | ND | 4.0000 4.0000 | | |
| Beryllium, total | ug/L | | | ND ND | | | |
| Beryllium, total | ug/L | MW-85 | 04/10/2020 | | 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 | | _ |
| 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 | | |
| 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 ug/L | MW-85 MW-85 | 10/09/2017 04/17/2018 | ND ND | 0.8000 0.8000 | | |
| Cadmium, total | | | | | | | |

^{* -} 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 | 10/22/2018 | 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 ug/L | MW-85 MW-85 | 10/19/2020 04/05/2021 | ND ND | 0.8000 0.8000 | | |
| Cadmium, total | ug/L 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 | | |
| Chromium, total | ug/L | MW-85 | 10/16/2014 | ND | 8.0000 | | |
| Chromium, total Chromium, total | ug/L ug/L | MW-85 MW-85 | 01/14/2015 04/03/2015 | ND ND | 8.0000 8.0000 | | |
| Chromium, total | ug/L 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 ug/L | MW-85 MW-85 | 04/10/2020 10/19/2020 | ND ND | 8.0000 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 MW-85 | 10/15/2024 10/16/2014 | ND ND | 8.0000 0.8000 | | |
| Cobalt, total | ug/L 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 ug/L | MW-85 MW-85 | 04/17/2018 10/22/2018 | ND ND | 0.8000 0.8000 | | |
| Cobalt, total | ug/L 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 ug/L | MW-85 MW-85 | 04/11/2023 10/13/2023 | ND ND | 0.4000 0.4000 | 0.8000 | ** |
| Cobalt, total | ug/L ug/L | MW-85 | 04/17/2024 | טאו | 0.4000 | 0.0000 | |
| Cobalt, total | ug/L | MW-85 | 10/15/2024 | ND | 0.4000 | 0.8000 | ** |
| Copper, total | ug/L | MW-85 | 10/16/2014 | ND | 4.0000 | 3.0000 | |
| 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 MW-85 | 04/14/2016 | ND ND | 4.0000 | | |
| Copper, total Copper, total | ug/L ug/L | MW-85 | 10/13/2016 04/10/2017 | ND | 4.0000 4.0000 | | |
| Copper, total | ug/L 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 Copper, total | ug/L ug/L | MW-85 MW-85 | 04/10/2020 10/19/2020 | ND ND | 4.0000 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**

| Copper, total Lead, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 04/05/2021 10/08/2021 04/06/2022 10/25/2022 04/11/2023 10/13/2023 04/17/2024 10/15/2024 10/16/2014 01/14/2015 04/03/2015 | ND ND ND ND ND ND ND | 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 | |
|--|--|---|--|--|--|----------|
| Copper, total Lead, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 04/06/2022 10/25/2022 04/11/2023 10/13/2023 04/17/2024 10/15//2024 10/16/2014 01/14/2015 | ND ND ND ND ND ND | 4.0000 4.0000 4.0000 4.0000 4.0000 | |
| Copper, total Copper, total Copper, total Copper, total Copper, total Copper, total Lead, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 10/25/2022 04/11/2023 10/13/2023 04/17/2024 10/15/2024 10/16/2014 01/14/2015 | ND ND ND ND ND | 4.0000 4.0000 4.0000 4.0000 | |
| Copper, total Copper, total Ucopper, total Ucopper, total Ucopper, total Ucad, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 04/11/2023 10/13/2023 04/17/2024 10/15/2024 10/16/2014 01/14/2015 | ND ND ND ND | 4.0000 4.0000 4.0000 | |
| Copper, total Copper, total Understand Copper, total Lead, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 10/13/2023 04/17/2024 10/15/2024 10/16/2014 01/14/2015 | ND ND ND | 4.0000 4.0000 | |
| Copper, total Copper, total Lead, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 04/17/2024 10/15/2024 10/16/2014 01/14/2015 | ND ND ND | 4.0000 | |
| Copper, total u Lead, total u | ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 | 10/15/2024 10/16/2014 01/14/2015 | ND ND | | |
| Lead, total u | ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 | 10/16/2014 01/14/2015 | ND | 4.0000 | |
| Lead, total u | ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 | 01/14/2015 | | | |
| Lead, total | ug/L ug/L ug/L ug/L | MW-85 MW-85 | | | 4.0000 | |
| Lead, total u Lead, total u Lead, total u Lead, total u Lead, total u | ug/L ug/L ug/L | MW-85 | 04/03/2015 | ND | 4.0000 | |
| Lead, total u Lead, total u Lead, total u Lead, total u | ug/L ug/L | | | ND | 4.0000 | |
| Lead, total u Lead, total u Lead, total u | ug/L | | 07/06/2015 | ND | 4.0000 | |
| Lead, total u | | MW-85 | 10/01/2015 | ND | 4.0000 | |
| Lead, total | uu/L I | MW-85 | 04/14/2016 | ND | 4.0000 | |
| | | MW-85 MW-85 | 10/13/2016 04/10/2017 | ND ND | 4.0000 | |
| | ug/L | | | | 4.0000 | |
| | ug/L | MW-85 | 10/09/2017 | ND | 4.0000 | |
| | ug/L | MW-85 MW-85 | 04/17/2018 | ND ND | 4.0000 | |
| | ug/L | MW-85 | 10/22/2018 04/22/2019 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/23/2019 | ND | 4.0000 4.0000 | |
| | ug/L ug/L | MW-85 | 04/10/2020 | ND | 4.0000 | |
| | ug/L ug/L | MW-85 | 10/19/2020 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/05/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/08/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/06/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/25/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/11/2023 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/13/2023 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/17/2024 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/15/2024 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/16/2014 | ND | 4.0000 | |
| | ug/L | MW-85 | 01/14/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/03/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 07/06/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/01/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/14/2016 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/13/2016 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/10/2017 | ND | 4.0000 | |
| Nickel, total u | ug/L | MW-85 | 10/09/2017 | ND | 4.0000 | |
| Nickel, total u | ug/L | MW-85 | 04/17/2018 | ND | 4.0000 | |
| Nickel, total u | ug/L | MW-85 | 10/22/2018 | | 20.6000 | * |
| Nickel, total u | ug/L | MW-85 | 04/22/2019 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/23/2019 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/10/2020 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/19/2020 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/05/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/08/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/06/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/25/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/11/2023 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/13/2023 | ND | 4.0000 | |
| | ug/L | MW-85 MW-85 | 04/17/2024 10/15/2024 | ND ND | 4.0000 4.0000 | |
| | ug/L ug/L | MW-85 | 10/16/2014 | ND | 4.0000 | \vdash |
| | ug/L | MW-85 | 01/14/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/03/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 07/06/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/01/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/14/2016 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/13/2016 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/10/2017 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/09/2017 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/17/2018 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/22/2018 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/22/2019 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/23/2019 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/10/2020 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/19/2020 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/05/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/08/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/06/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/25/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 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 | |
|------------------------------------|--------------|----------------|--------------------------|----------|--------------------|----------|-----|
| 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 | | |
| 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 | 0.0000 | ** |
| 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 Thallium, total | ug/L | MW-85 MW-85 | 04/17/2024 10/15/2024 | ND ND | 2.0000 | | |
| | ug/L | MW-85 | 10/15/2024 | ND | 2.0000 | | _ |
| Vanadium, total Vanadium, total | ug/L ug/L | MW-85 | 01/14/2015 | ND | 20.0000 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/03/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 07/06/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/01/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/14/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L 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 ug/L | MW-85 | 10/09/2017 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/17/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/22/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/22/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/23/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L 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 ug/L | MW-85 | 04/05/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/06/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/25/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/11/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/13/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/17/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/15/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L ug/L | MW-85 | 10/16/2014 | ND | 20.0000 | | |
| | ug/L ug/L | MW-85 | 01/14/2015 | ND | 8.0000 | 20.0000 | ** |
| Zinc, total | | | | | | | |

^{* -} 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-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 ND | 20.0000 | | |
| Zinc, total | ug/L | MW-85 | 10/25/2022 | | 20.0000 | | |
| Zinc, total | ug/L | MW-85 | 04/11/2023 | ND ND | 20.0000 | | |
| Zinc, total | ug/L | MW-85 MW-85 | 10/13/2023 04/17/2024 | ND | 20.0000 20.0000 | | |
| Zinc, total Zinc, total | ug/L ug/L | MW-85 | 10/15/2024 | ND | 20.0000 | | |
| | ug/L | | | ND | 2.0000 | | |
| Antimony, total Antimony, total | ug/L ug/L | MW-98 MW-98 | 10/13/2016 04/10/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L ug/L | MW-98 | 10/09/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L 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 | | |
| 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 Arsenic, total | ug/L ug/L | MW-98 | 10/25/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L ug/L | MW-98 MW-98 | 04/11/2023 10/13/2023 | | 6.4000 6.3000 | | |
| Arsenic, total | ug/L ug/L | MW-98 | 04/17/2024 | | 48.0000 | | * |
| Arsenic, total | ug/L ug/L | MW-98 | 10/15/2024 | ND | 4.0000 | | |
| Barium, total | ug/L | MW-98 | 10/13/2016 | .40 | 171.0000 | | |
| Barium, total | ug/L 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 | | |
| Beryllium, total | ug/L | MW-98 | 10/13/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-98 | 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 | |
|--------------------------------|--------------|----------------|--------------------------|----------|--------|----------|--|
| 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 | | |
| 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 | | |
| 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 ug/L | MW-98 | 10/15/2024 | ND | 8.0000 | | |
| Cobalt, total | ug/L | MW-98 | 10/13/2024 | .40 | 3.0000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 04/10/2017 | | 4.4000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 10/09/2017 | | 0.8000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 04/17/2018 | | 5.0000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 10/22/2018 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-98 | 04/22/2019 | ,,,5 | 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 ug/L | MW-98 | 10/19/2020 | | 2.2000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 04/05/2021 | | 0.6000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 10/08/2021 | | 2.2000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 04/06/2022 | | 0.7000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 10/25/2022 | | 3.6000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 04/11/2023 | | 2.1000 | | |
| Cobalt, total | | MW-98 | | | | | |
| | ug/L | | 10/13/2023 04/17/2024 | | 5.5000 | | |
| Cobalt, total | ug/L | MW-98 | | | 4.7000 | | |
| Cobalt, total | ug/L | MW-98 | 10/15/2024 | NID | 1.9000 | | |
| 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 Copper, total | ug/L | MW-98 MW-98 | 04/22/2019 10/23/2019 | ND ND | 4.0000 | | |
| | | L N/IV/V_UX | 111/23/2014 | INII I | 4.0000 | | |
| Copper, total | ug/L ug/L | MW-98 | 04/10/2020 | ND | 4.0000 | | |

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

Table 1 **Upgradient Data**

| Constituent | Units | Well | Date | | Result | Adjusted | |
|--------------------------------------|----------------------|-------------------------|--|----------------|----------------------------|----------|--|
| Copper, total | ug/L | MW-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 ug/L | MW-98 MW-98 | 10/25/2022 04/11/2023 | ND ND | 4.0000 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 | | |
| 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 Lead, total | ug/L ug/L | MW-98 MW-98 | 10/22/2018 04/22/2019 | ND ND | 4.0000 4.0000 | | |
| Lead, total | ug/L 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 Lead, total | ug/L ug/L | MW-98 MW-98 | 04/17/2024 10/15/2024 | ND ND | 4.0000 4.0000 | | |
| Nickel, total | ug/L ug/L | MW-98 | 10/13/2024 | 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 ND | 4.0000 | | |
| Nickel, total Nickel, total | ug/L ug/L | MW-98 MW-98 | 04/05/2021 10/08/2021 | ND | 4.0000 4.0000 | | |
| Nickel, total | ug/L 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 | | |
| Selenium, total | ug/L | MW-98 | 10/13/2016 | ND | 4.0000 | | |
| Selenium, total Selenium, total | ug/L ug/L | MW-98 MW-98 | 04/10/2017 10/09/2017 | ND ND | 4.0000 4.0000 | | |
| Selenium, total | ug/L 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 Selenium, total | ug/L | MW-98 MW-98 | 10/08/2021 | ND ND | 4.0000 | | |
| Selenium, total | ug/L ug/L | MW-98 | 04/06/2022 10/25/2022 | ND ND | 4.0000 4.0000 | | |
| Selenium, total | ug/L 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 | | |
| 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 Silver, total | ug/L ug/L | MW-98 MW-98 | 10/22/2018 04/22/2019 | ND ND | 4.0000 4.0000 | | |
| Silver, total | ug/L 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 | | |
| | | | 0.4/0.0/0.00 | | 4 0000 | | |
| Silver, total | ug/L | MW-98 | 04/06/2022 | ND | 4.0000 | | |
| | ug/L ug/L ug/L | MW-98 MW-98 MW-98 | 04/06/2022 10/25/2022 04/11/2023 | ND ND ND | 4.0000 4.0000 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 | |
|------------------------------------|-------|----------------|--------------------------|----------|---------|----------|----|
| 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 | | |
| 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 | | L |
| 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 | | |
| 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 | 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 | | MW-98 | 04/05/2021 | ND | 20.0000 | | |
| | ug/L | | | | | | |
| 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 ND | 20.0000 | | |
| Zinc, total Zinc, total | ug/L | MW-98 | 04/17/2024 | ND | 20.0000 | | |
| | ug/L | MW-98 MW-99 | 10/15/2024 | ND | 20.0000 | | - |
| Antimony, total | ug/L | MW-99 | 10/13/2016 04/10/2017 | ND | | | |
| Antimony, total | ug/L | | | ND | 2.0000 | | |
| Antimony, total Antimony, total | ug/L | MW-99 | 10/09/2017 | | 2.0000 | | |
| | ug/L | MW-99 MW-99 | 04/17/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | | 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 | | |
| 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 | | 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 | 04/17/2018 | 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 | | |
| 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 MW-99 | 10/09/2017 04/17/2018 | | 140.0000 93.9000 | | |
| Barium, total | ug/L | MW-99 | 10/22/2018 | | | | |
| Barium, total | ug/L | MW-99 | 04/22/2019 | | 81.0000 110.0000 | | |
| Barium, total | ug/L | MW-99 | 10/23/2019 | | 123.0000 | | |
| Barium, total Barium, total | ug/L ug/L | MW-99 | 04/10/2020 | | 123.0000 | | |
| Barium, total | ug/L ug/L | MW-99 | 10/19/2020 | | 118.0000 | | |
| Barium, total | ug/L ug/L | MW-99 | 04/05/2021 | | 117.0000 | | |
| Barium, total | ug/L 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 | | |
| 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 | | |
| 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 ug/L | MW-99 | 10/23/2019 | ND ND | 0.8000 | | |
| Cadmium, total | | MW-99 | 04/10/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-99 | 10/19/2020 | ND | 0.8000 | | |
| Cadmium, total Cadmium, total | ug/L ug/L | MW-99 MW-99 | 04/05/2021 10/08/2021 | ND | 0.8000 0.8000 | | |
| Cadmium, total | | MW-99 | 04/06/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-99 | 10/25/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-99 | 04/11/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-99 | 10/13/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-99 | 04/18/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-99 | 10/15/2024 | ND | 0.8000 | | |
| Chromium, total | ug/L | MW-99 | 10/13/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-99 | 04/10/2017 | . 10 | 23.4000 | | |
| Chromium, total | ug/L | MW-99 | 10/09/2017 | ND | 8.0000 | | |
| | ug/L | MW-99 | 04/17/2018 | ND | 8.0000 | | |
| Ciromium, total | | | | ND | | | I |
| Chromium, total Chromium, total | | MW-99 | 10/22/2018 | יטאן | 0.00001 | | |
| Chromium, total | ug/L | MW-99 MW-99 | 10/22/2018 04/22/2019 | | 8.0000 8.0000 | | |
| | ug/L ug/L | MW-99 MW-99 MW-99 | 10/22/2018 04/22/2019 10/23/2019 | ND | 8.0000 8.0000 | | |
| Chromium, total Chromium, total | ug/L | MW-99 | 04/22/2019 | | 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 | 04/05/2021 | 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 | | |
| 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 | | * |
| 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 | | |
| 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 | | - |
| 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 | NID | 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 ug/L | MW-99 MW-99 | 04/11/2023 10/13/2023 | ND | 4.0000 5.3000 | | |
| Nickel, total | | | | | | | |

^{* -} 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 | 04/18/2024 | | 6.3000 | | |
| Nickel, total | ug/L | MW-99 | 10/15/2024 | ND | 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 Selenium, total | ug/L ug/L | MW-99 MW-99 | 10/09/2017 04/17/2018 | ND ND | 4.0000 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 Selenium, total | ug/L ug/L | MW-99 MW-99 | 04/06/2022 10/25/2022 | ND ND | 4.0000 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 | | |
| 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 MW-99 | 04/17/2018 10/22/2018 | ND ND | 4.0000 | | |
| Silver, total Silver, total | ug/L ug/L | MW-99 | 04/22/2019 | ND | 4.0000 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 Silver, total | ug/L ug/L | MW-99 MW-99 | 04/11/2023 10/13/2023 | ND ND | 4.0000 4.0000 | | |
| Silver, total | ug/L ug/L | MW-99 | 04/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-99 | 10/15/2024 | ND | 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 MW-99 | 10/22/2018 | ND ND | 4.0000 | 2.0000 | ** |
| Thallium, total Thallium, total | ug/L ug/L | MW-99 | 04/22/2019 10/23/2019 | ND | 2.0000 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 Thallium, total | ug/L ug/L | MW-99 MW-99 | 04/11/2023 10/13/2023 | ND ND | 2.0000 2.0000 | | |
| Thallium, total | ug/L ug/L | MW-99 | 04/18/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-99 | 10/15/2024 | ND | 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 Vanadium, total | ug/L ug/L | MW-99 MW-99 | 10/22/2018 04/22/2019 | ND ND | 20.0000 20.0000 | | |
| Vanadium, total | ug/L 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 Vanadium, total | ug/L ug/L | MW-99 MW-99 | 04/11/2023 10/13/2023 | ND ND | 20.0000 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-99 | 04/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-99 | 10/15/2024 | ND | 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 Zinc, total | ug/L | MW-99 | 10/09/2017 | | 11.2000 | 00.000 | ** |
| | ug/L | MW-99 | 04/17/2018 | ND | 8.0000 | 20.0000 | ^ ^ |

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

Table 1 **Upgradient Data**

| Constituent | Units | Well | Date | | Result | Adjusted | |
|-------------|-------|-------|------------|----|---------|----------|--|
| Zinc, total | ug/L | MW-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 | | |

^{* -} 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 | 10/15/2024 | ND | 2.0000 | | 2.0000 |
| Arsenic, total | ug/L | MW-87 | 10/15/2024 | ND | 4.0000 | | 7.8000 |
| Barium, total | ug/L | MW-87 | 10/15/2024 | | 100.0000 | | 452.8909 |
| Beryllium, total | ug/L | MW-87 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-87 | 10/15/2024 10/15/2024 | ND | 0.8000 | | 0.8000 |
| Chromium, total Cobalt, total | ug/L ug/L | MW-87 MW-87 | 10/15/2024 | ND ND | 8.0000 0.4000 | | 23.4000 5.9879 |
| Copper, total | ug/L ug/L | MW-87 | 10/15/2024 | ND | 4.0000 | | 5.3000 |
| Lead, total | ug/L | MW-87 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-87 | 10/15/2024 | ND | 4.0000 | | 8.8000 |
| Selenium, total | ug/L | MW-87 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-87 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-87 | 10/15/2024 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-87 | 10/15/2024 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-87 | 10/15/2024 | ND | 20.0000 | | 54.6000 |
| Antimony, total | ug/L | MW-89 MW-89 | 10/15/2024 10/15/2024 | ND ND | 2.0000 | | 2.0000 7.8000 |
| Arsenic, total Barium, total | ug/L ug/L | MW-89 | 10/15/2024 | ND | 4.0000 215.0000 | | 452.8909 |
| Beryllium, total | ug/L ug/L | MW-89 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-89 | 10/15/2024 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-89 | 10/15/2024 | ND | 8.0000 | | 23.4000 |
| Cobalt, total | ug/L | MW-89 | 10/15/2024 | ND | 0.4000 | | 5.9879 |
| Copper, total | ug/L | MW-89 | 10/15/2024 | ND | 4.0000 | | 5.3000 |
| Lead, total | ug/L | MW-89 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-89 | 10/15/2024 | ND | 4.0000 | | 8.8000 |
| Selenium, total | ug/L | MW-89 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L ug/L | MW-89 MW-89 | 10/15/2024 10/15/2024 | ND ND | 4.0000 2.0000 | | 4.0000 2.0000 |
| Thallium, total Vanadium, total | ug/L ug/L | MW-89 | 10/15/2024 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-89 | 10/15/2024 | ND | 20.0000 | | 54.6000 |
| Antimony, total | ug/L | MW-91 | 10/15/2024 | ND | 2.0000 | | 2.0000 |
| Arsenic, total | ug/L | MW-91 | 10/15/2024 | ND | 4.0000 | | 7.8000 |
| Barium, total | ug/L | MW-91 | 10/15/2024 | | 242.0000 | | 452.8909 |
| Beryllium, total | ug/L | MW-91 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-91 MW-91 | 10/15/2024 10/15/2024 | ND ND | 0.8000 | | 0.8000 |
| Chromium, total Cobalt, total | ug/L ug/L | MW-91 | 10/15/2024 | ND | 0.4000 | | 23.4000 5.9879 |
| Copper, total | ug/L ug/L | MW-91 | 10/15/2024 | ND | 4.0000 | | 5.3000 |
| Lead, total | ug/L | MW-91 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-91 | 10/15/2024 | ND | 4.0000 | | 8.8000 |
| Selenium, total | ug/L | MW-91 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-91 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Thallium, total Vanadium, total | ug/L | MW-91 MW-91 | 10/15/2024 | ND ND | 2.0000 | | 2.0000 |
| Zinc, total | ug/L ug/L | MW-91 | 10/15/2024 10/15/2024 | ND | 20.0000 | | 20.0000 54.6000 |
| Antimony, total | ug/L | MW-93 | 10/15/2024 | ND | 2.0000 | | 2.0000 |
| Arsenic, total | ug/L | MW-93 | 10/15/2024 | | 15.2000 | *** | 7.8000 |
| Barium, total | ug/L | MW-93 | 10/15/2024 | | 242.0000 | | 452.8909 |
| Beryllium, total | ug/L | MW-93 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-93 | 10/15/2024 | ND | 0.8000 | | 0.8000 |
| Chromium, total Cobalt, total | ug/L ug/L | MW-93 MW-93 | 10/15/2024 10/15/2024 | ND | 8.0000 9.9000 | *** | 23.4000 5.9879 |
| Copper, total | ug/L ug/L | MW-93 | 10/15/2024 | ND | 4.0000 | | 5.3000 |
| Lead, total | ug/L | MW-93 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-93 | 10/15/2024 | | 27.1000 | *** | 8.8000 |
| Selenium, total | ug/L | MW-93 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-93 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-93 | 10/15/2024 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-93 | 10/15/2024 | ND | 20.0000 | | 20.0000 |
| Zinc, total Antimony, total | ug/L ug/L | MW-93 MW-95 | 10/15/2024 10/15/2024 | ND ND | 20.0000 | | 54.6000 2.0000 |
| Arsenic, total | ug/L ug/L | MW-95 | 10/15/2024 | ND | 4.0000 | | 7.8000 |
| Barium, total | ug/L | MW-95 | 10/15/2024 | | 32.3000 | | 452.8909 |
| Beryllium, total | ug/L | MW-95 | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-95 | 10/15/2024 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-95 | 10/15/2024 | ND | 8.0000 | | 23.4000 |
| Cobalt, total | ug/L | MW-95 | 10/15/2024 | ND | 0.4000 | | 5.9879 |
| Copper, total Lead, total | ug/L ug/L | MW-95 MW-95 | 10/15/2024 10/15/2024 | ND ND | 4.0000 4.0000 | | 5.3000 4.0000 |
| | ug/L ug/L | MW-95 | 10/15/2024 | ND | 4.0000 | | 8.8000 |
| Nickel, total | | | | | | | |
| Nickel, total Selenium, total | ug/L ug/L | MW-95 | 10/15/2024 | ND | 4.0000 | | 4.0000 |

 ⁻ Current value failed - awaiting verification.

 - Current value passed - previous exceedance not verified.

 - Current value failed - exceedance verified.

 - Current value passed - awaiting one more verification.

 - Insufficient background data to compute prediction limit.

 ND = Not Detected, Result = detection limit.

Table 2 **Most Current Downgradient Monitoring Data**

| Constituent | Units | Well | Date | | Result | Pred. Limit |
|------------------|-------|-------|------------|----|----------|-------------|
| Thallium, total | ug/L | MW-95 | 10/15/2024 | ND | 2.0000 | 2.0000 |
| Vanadium, total | ug/L | MW-95 | 10/15/2024 | ND | 20.0000 | 20.0000 |
| Zinc, total | ug/L | MW-95 | 10/15/2024 | ND | 20.0000 | 54.6000 |
| Antimony, total | ug/L | MW-97 | 10/15/2024 | ND | 2.0000 | 2.0000 |
| Arsenic, total | ug/L | MW-97 | 10/15/2024 | ND | 4.0000 | 7.8000 |
| Barium, total | ug/L | MW-97 | 10/15/2024 | | 274.0000 | 452.8909 |
| Beryllium, total | ug/L | MW-97 | 10/15/2024 | ND | 4.0000 | 4.0000 |
| Cadmium, total | ug/L | MW-97 | 10/15/2024 | ND | 0.8000 | 0.8000 |
| Chromium, total | ug/L | MW-97 | 10/15/2024 | ND | 8.0000 | 23.4000 |
| Cobalt, total | ug/L | MW-97 | 10/15/2024 | ND | 0.4000 | 5.9879 |
| Copper, total | ug/L | MW-97 | 10/15/2024 | ND | 4.0000 | 5.3000 |
| Lead, total | ug/L | MW-97 | 10/15/2024 | ND | 4.0000 | 4.0000 |
| Nickel, total | ug/L | MW-97 | 10/15/2024 | ND | 4.0000 | 8.8000 |
| Selenium, total | ug/L | MW-97 | 10/15/2024 | ND | 4.0000 | 4.0000 |
| Silver, total | ug/L | MW-97 | 10/15/2024 | ND | 4.0000 | 4.0000 |
| Thallium, total | ug/L | MW-97 | 10/15/2024 | ND | 2.0000 | 2.0000 |
| Vanadium, total | ug/L | MW-97 | 10/15/2024 | ND | 20.0000 | 20.0000 |
| Zinc, total | ug/L | MW-97 | 10/15/2024 | ND | 20.0000 | 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 | 65 | 0.000 | 0 | 196 | 0.000 |
| Arsenic, total | 5 | 63 | 0.079 | 42 | 202 | 0.208 |
| Barium, total | 65 | 65 | 1.000 | 198 | 198 | 1.000 |
| Beryllium, total | 0 | 65 | 0.000 | 0 | 196 | 0.000 |
| Cadmium, total | 0 | 65 | 0.000 | 5 | 196 | 0.026 |
| Chromium, total | 2 | 65 | 0.031 | 7 | 196 | 0.036 |
| Cobalt, total | 35 | 63 | 0.556 | 37 | 201 | 0.184 |
| Copper, total | 4 | 65 | 0.062 | 31 | 201 | 0.154 |
| Lead, total | 0 | 65 | 0.000 | 12 | 196 | 0.061 |
| Nickel, total | 14 | 64 | 0.219 | 76 | 198 | 0.384 |
| Selenium, total | 0 | 65 | 0.000 | 5 | 200 | 0.025 |
| Silver, total | 0 | 65 | 0.000 | 0 | 196 | 0.000 |
| Thallium, total | 0 | 65 | 0.000 | 0 | 196 | 0.000 |
| Vanadium, total | 0 | 65 | 0.000 | 11 | 197 | 0.056 |
| Zinc, total | 7 | 64 | 0.109 | 53 | 197 | 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 | 65 | 0.000 | | | | | | | | | nonpar |
| Arsenic, total | 5 | 63 | 0.079 | 0.427 | 0.013 | | | | | 2.326 | normal | nonpar |
| Barium, total | 65 | 65 | 1.000 | 0.569 | 1.099 | | | | | 2.326 | normal | normal |
| Beryllium, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Cadmium, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Chromium, total | 2 | 65 | 0.031 | | | | | | | | | nonpar |
| Cobalt, total | 35 | 63 | 0.556 | 1.125 | 0.053 | | | | | 2.326 | normal | normal |
| Copper, total | 4 | 65 | 0.062 | | | | | | | | | nonpar |
| Lead, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Nickel, total | 14 | 64 | 0.219 | 1.049 | 0.057 | | | | | 2.326 | normal | nonpar |
| Selenium, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Silver, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Thallium, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Vanadium, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Zinc, total | 7 | 64 | 0.109 | 0.439 | 0.418 | | | | | 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 | Туре | | Conf |
|------------------|-------|--------|----|----------|----------|--------|--------|------------|--------|-----|------|
| Antimony, total | ug/L | 0 | 65 | | | | | 2.0000 | nonpar | *** | 0.99 |
| Arsenic, total | ug/L | 5 | 63 | | | | | 7.8000 | nonpar | | 0.99 |
| Barium, total | ug/L | 65 | 65 | 179.9308 | 113.5302 | 0.0100 | 2.4043 | 452.8909 | normal | | |
| Beryllium, total | ug/L | 0 | 65 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Cadmium, total | ug/L | 0 | 65 | | | | | 0.8000 | nonpar | *** | 0.99 |
| Chromium, total | ug/L | 2 | 65 | | | | | 23.4000 | nonpar | | 0.99 |
| Cobalt, total | ug/L | 35 | 63 | 1.5746 | 1.8336 | 0.0100 | 2.4069 | 5.9879 | normal | | |
| Copper, total | ug/L | 4 | 65 | | | | | 5.3000 | nonpar | | 0.99 |
| Lead, total | ug/L | 0 | 65 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Nickel, total | ug/L | 14 | 64 | | | | | 8.8000 | nonpar | | 0.99 |
| Selenium, total | ug/L | 0 | 65 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Silver, total | ug/L | 0 | 65 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Thallium, total | ug/L | 0 | 65 | | | | | | nonpar | *** | 0.99 |
| Vanadium, total | ug/L | 0 | 65 | | | | | 20.0000 | nonpar | *** | 0.99 |
| Zinc, total | ug/L | 7 | 64 | | | | | 54.6000 | nonpar | | 0.99 |

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent Conf = confidence level for passing initial test or one verification resample at all downgradient webs (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 | | 10/13/2016-10/15/2024 | 16 | 0.5973 |
| Cobalt, total | ug/L | MW-99 | 10/22/2018 | 0.8000 | | 10/13/2016-10/15/2024 | 17 | 0.5973 |
| Cobalt, total | ug/L | MW-99 | 10/15/2024 | 0.9000 | | 10/13/2016-10/15/2024 | 17 | 0.5973 |

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

Table 8 Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

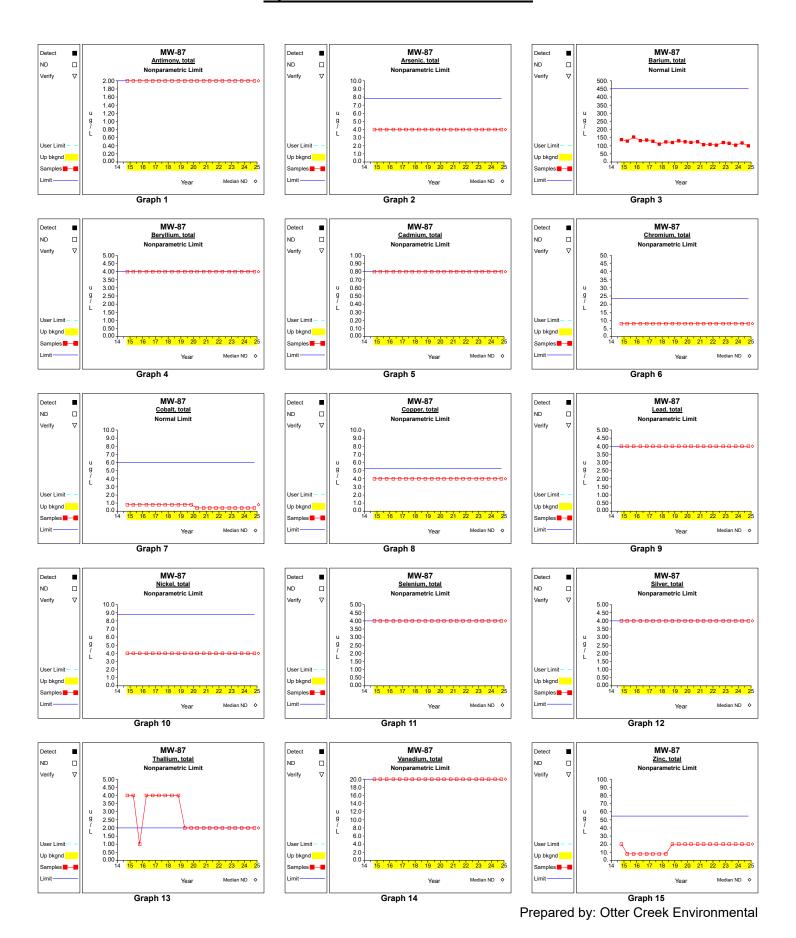
| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|----------------------------------|--------------|----------------|--------------------------|------|--------------------|---|------------------|
| Arsenic, total | ug/L | MW-93 | 08/21/2008 | ND | 20.0000 | | 7.8000 |
| Arsenic, total | 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 ug/L | MW-93 MW-93 | 10/16/2009 | ND | 4.0000 10.9000 | * | 7.8000 7.8000 |
| Arsenic, total Arsenic, total | ug/L ug/L | MW-93 | 04/20/2010 10/08/2010 | | 11.1000 | * | 7.8000 |
| Arsenic, total | ug/L ug/L | MW-93 | 04/05/2011 | ND | 4.0000 | | 7.8000 |
| Arsenic, total | ug/L 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 MW-93 | 04/22/2019 10/23/2019 | | 67.3000 | * | 7.8000 |
| Arsenic, total | ug/L ug/L | MW-93 | 04/10/2020 | | 13.6000 17.5000 | * | 7.8000 7.8000 |
| Arsenic, total Arsenic, total | ug/L ug/L | MW-93 | 10/19/2020 | | 4.8000 | | 7.8000 |
| Arsenic, total | ug/L ug/L | MW-93 | 04/05/2021 | | 10.5000 | * | 7.8000 |
| Arsenic, total | ug/L 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 |
| Cobalt, total | ug/L | MW-93 | 08/21/2008 | ND | 10.0000 | | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 10/03/2008 | ND | 4.0000 | | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 12/08/2008 | ND | 4.0000 | | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 02/11/2009 | ND | 4.0000 | | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 04/02/2009 | ND | 4.0000 | | 5.9879 |
| Cobalt, total | ug/L | MW-93 MW-93 | 10/16/2009 | ND | 4.0000 | * | 5.9879 |
| Cobalt, total Cobalt, total | ug/L ug/L | MW-93 | 04/20/2010 10/08/2010 | | 11.6000 16.2000 | * | 5.9879 5.9879 |
| Cobalt, total | ug/L | MW-93 | 04/05/2011 | | 9.2000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 10/06/2011 | | 8.6000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 04/10/2012 | | 4.8000 | | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 10/09/2012 | | 4.5000 | | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 04/04/2013 | | 4.5000 | | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 10/16/2013 | | 4.6000 | | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 04/10/2014 | | 11.2000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 10/16/2014 | | 7.3000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 04/06/2015 | | 9.7000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 10/01/2015 | | 7.5000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 04/14/2016 | | 14.7000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 10/13/2016 | | 6.6000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 04/10/2017 | | 8.6000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 10/09/2017 | | 5.2000 | | 5.9879 |
| Cobalt, total | ug/L | MW-93 MW-93 | 04/17/2018 | | 5.9000 | * | 5.9879 |
| Cobalt, total Cobalt, total | ug/L ug/L | MW-93 | 10/22/2018 04/22/2019 | | 9.9000 18.9000 | * | 5.9879 5.9879 |
| Cobalt, total | ug/L ug/L | MW-93 | 10/23/2019 | | 8.3000 | * | 5.9879 |
| Cobalt, total | ug/L ug/L | MW-93 | 04/10/2020 | | 11.3000 | * | 5.9879 |
| Cobalt, total | ug/L ug/L | MW-93 | 10/19/2020 | | 4.6000 | | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 04/05/2021 | | 7.9000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 10/08/2021 | | 7.1000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 04/06/2022 | | 8.7000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 10/25/2022 | | 8.6000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-93 | 04/11/2023 | | 9.0000 | * | 5.9879 |
| | | | | | 8.3000 | * | |
| Cobalt, total | ug/L | MW-93 | 10/13/2023 | | 0.3000 | | 5.9879 |

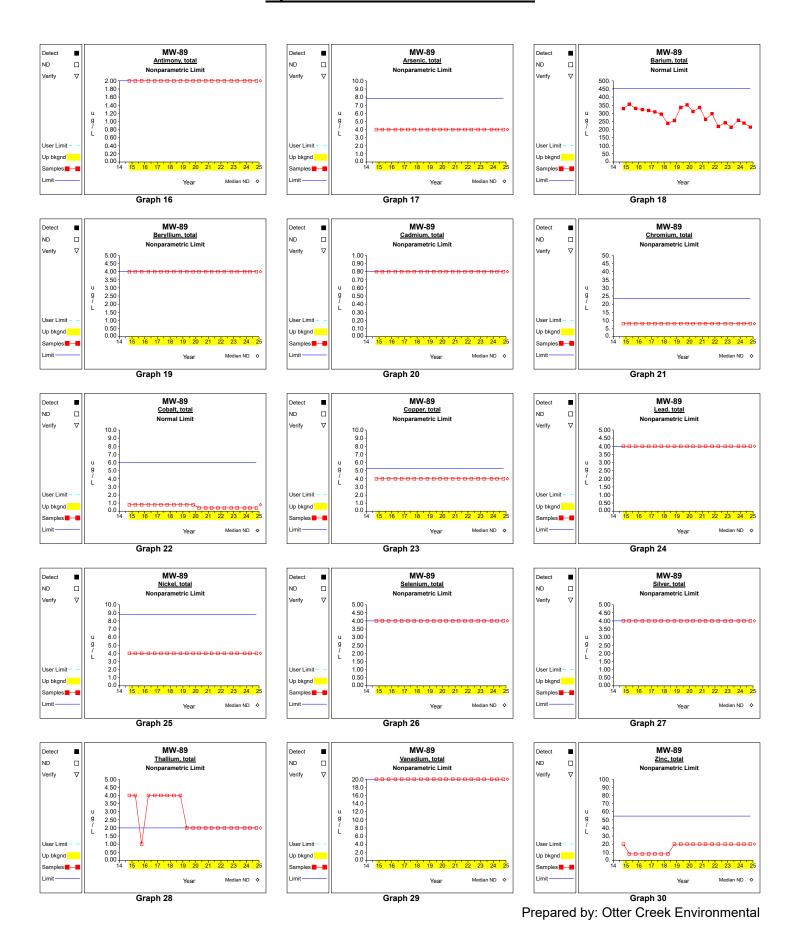
 ^{* -} Significantly increased over background.
 ** - Detect at limit for 100% NDs in background (NPPL only).
 *** - Manual exclusion.
 ND = Not Detected, Result = detection limit.

Table 8 Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

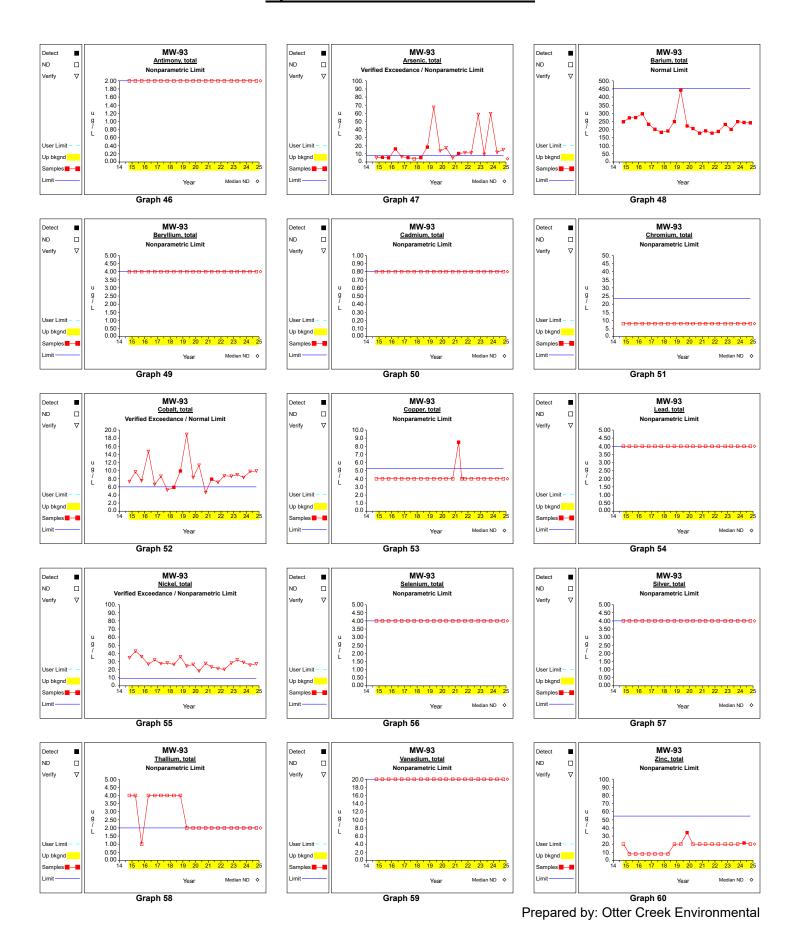
| Constituent | Units | Well | Date | Result | | Pred. Limit |
|---------------|-------|-------|------------|---------|---|-------------|
| Cobalt, total | ug/L | MW-93 | 10/15/2024 | 9.9000 | * | 5.9879 |
| Nickel, total | ug/L | MW-93 | 08/21/2008 | 29.0000 | * | 8.8000 |
| Nickel, total | ug/L | MW-93 | 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 |
| 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 |

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

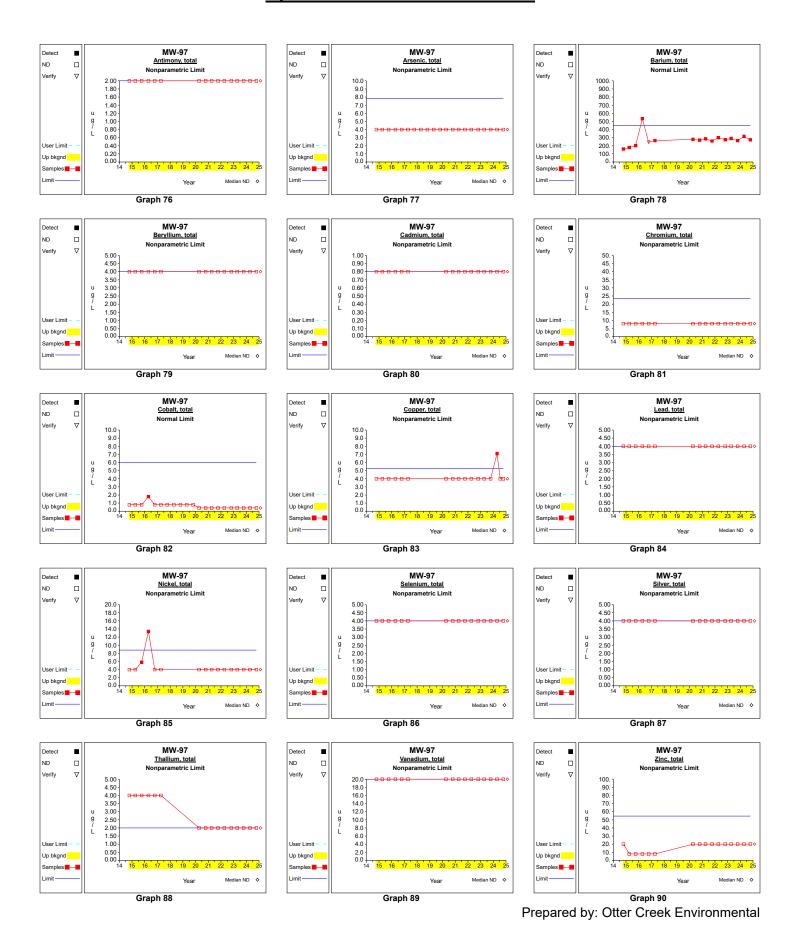




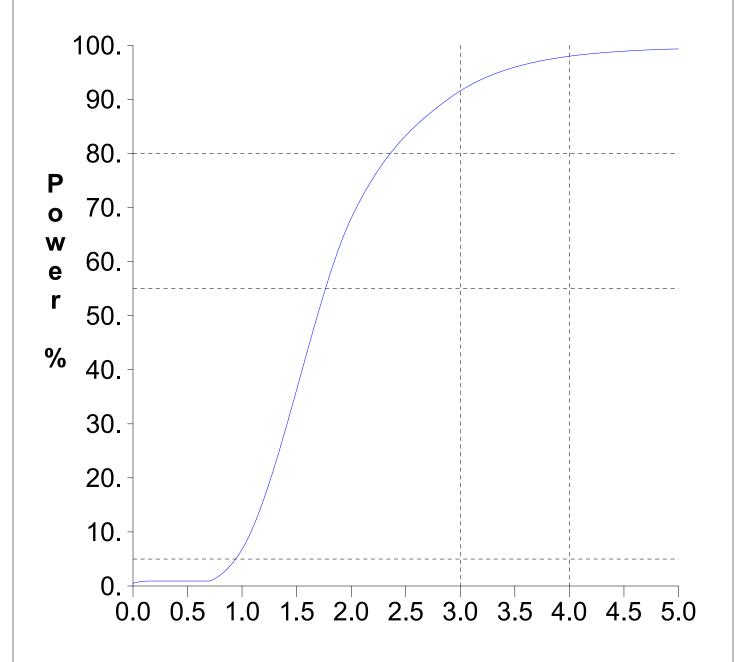








False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Worksheet 1 - Upgradient vs. Downgradient Comparisons Antimony, total (ug/L) Nonparametric Prediction Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|--------------------------------|---|
| 1 | PL = median(X) = 2.0 | Compute nonparametric prediction limit as median reporting limit in background. |
| 2 | - 2.0 Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |
| | | Worksheet 1 - Upgradient vs. Downgradient Comparisons |

Worksheet 1 - Upgradient vs. Downgradient Comparisons Arsenic, total (ug/L) Nonparametric Prediction Limit

 Step
 Equation
 Description

 1
 PL = max(X)
 Compute nonparametric prediction limit as largest background measurement.

 = 7.8
 2
 Conf = 0.99
 Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons Barium, total (ug/L) Normal Prediction Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> | |
|-------------|---|--|--|
| 1 | $\overline{X} = sum[X] / N$ | Compute upgradient mean. | |
| | = 11695.5 / 65 | | |
| | = 179.931 | | |
| 2 | $S = ((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ | Compute upgradient sd. | |
| | = $((2.93 \times 10^6 - 1.37 \times 10^8 / 65) / (65-1))^{1/2}$ | | |
| | = 113.53 | | |
| 3 | alpha = min[$(195^{1/\mathbf{K}})^{1/2}$, .01] | Adjusted per comparison false positive rate. Pass | |
| | $= \min[(195^{1/90})^{\frac{1}{2}}, .01]$ | initial or 1 resample. | |
| | = 0.01 | | |
| 4 | $PL = \overline{X} + tS(1+1/N)^{1/2}$ | One-sided normal prediction limit (t is Student's t on | |
| | = 179.931 | N-1 degrees of freedom and 1-alpha confidence level). | |
| | + (2.386*113.53)(1+1/65) ^{1/2} | | |
| | = 452.891 | | |

Worksheet 1 - Upgradient vs. Downgradient Comparisons Beryllium, total (ug/L) Nonparametric Prediction Limit

| <u>Step</u> | Equation | <u>Description</u> | | |
|-------------|--|---|--|--|
| 1 | PL = median(X) = 4.0 | Compute nonparametric prediction limit as median reporting limit in background. | | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). | | |
| | Worksheet 1 - Upgradient vs. Downgradient Comparisons Cadmium, total (ug/L) Nonparametric Prediction Limit | | | |
| <u>Step</u> | Equation | <u>Description</u> | | |
| 1 | PL = median(X) = 0.8 | Compute nonparametric prediction limit as median reporting limit in background. | | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). | | |
| | | Worksheet 1 - Upgradient vs. Downgradient Comparisons Chromium, total (ug/L) Nonparametric Prediction Limit | | |
| <u>Step</u> | Equation | <u>Description</u> | | |
| 1 | PL = max(X) = 23.4 | Compute nonparametric prediction limit as largest background measurement. | | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). | | |

Worksheet 1 - Upgradient vs. Downgradient Comparisons Cobalt, total (ug/L) Normal Prediction Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> | |
|-------------|---|--|--|
| 1 | $\overline{X}_1 = \text{sum}[X_1] / N_1$ = 99.2 / 35 | Compute mean of N ₁ detected measurements. | |
| 2 | = 2.834 $S_{1} = ((sum[X_{1}^{2}]-sum[X_{1}]^{2}/N_{1})/(N_{1}-1))^{\frac{1}{2}}$ $= ((363.58-9840.64/35)/(35-1))^{\frac{1}{2}}$ $= 1.557$ | Compute sd of N ₁ detected measurements. | |
| 3 | $\overline{X} = (1 - N_0/N) \overline{X}_1$ = (1 - 28/63) 2.834 | Use Aitchison's method to adjust mean for presence of nondetects. | |
| 4 | = 1.575 $S = [(1 - N_0/N) * S_1^2 + (N_0/N) (1 - (N_0^{-1})/(N^{-1})) \overline{X}_1^2]^{\frac{1}{2}}$ $= [(1 - 28/63) * 1.557^2 + (28/63) (1 - (28-1)/(63-1)) 2.834^2]^{\frac{1}{2}}$ | Use Aitchison's method to adjust sd for presence of nondetects. | |
| 5 | = 1.834 alpha = min[$(195^{1/K})^{1/2}$, .01] = min[$(195^{1/90})^{1/2}$, .01] = 0.01 | Adjusted per comparison false positive rate. Pass initial or 1 resample. | |
| 6 | PL = \overline{X} + tS(1+1/N) ^{1/2} = 1.575 + (2.388*1.834)(1+1/63) ^{1/2} = 5.988 | One-sided normal prediction limit (t is Student's t on N-1 degrees of freedom and 1-alpha confidence level). | |

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|-----------------------------|---|
| 1 | PL = max(X) = 5.3 | Compute nonparametric prediction limit as largest background measurement. |
| 2 | Conf = 0.99 | Confidence level is based on N. K and resampling strategy (see Gibbons 1994). |

Worksheet 1 - Upgradient vs. Downgradient Comparisons Lead, total (ug/L) Nonparametric Prediction Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> | | | |
|---|---|---|--|--|--|
| 1 | PL = median(X) = 4.0 | Compute nonparametric prediction limit as median reporting limit in background. | | | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). | | | |
| | | Worksheet 1 - Upgradient vs. Downgradient Comparisons | | | |
| | <u>Nickel, total (ug/L)</u> <u>Nonparametric Prediction Limit</u> | | | | |
| Step | Equation | <u>Description</u> | | | |
| 1 | PL = max(X) = 8.8 | Compute nonparametric prediction limit as largest background measurement. | | | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). | | | |
| Worksheet 1 - Upgradient vs. Downgradient Comparisons Selenium, total (ug/L) Nonparametric Prediction Limit | | | | | |
| <u>Step</u> | Equation | <u>Description</u> | | | |
| 1 | PL = median(X) = 4.0 | Compute nonparametric prediction limit as median reporting limit in background. | | | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). | | | |
| Worksheet 1 - Upgradient vs. Downgradient Comparisons Silver, total (ug/L) Nonparametric Prediction Limit | | | | | |
| <u>Step</u> | Equation | <u>Description</u> | | | |
| 1 | PL = median(X) = 4.0 | Compute nonparametric prediction limit as median reporting limit in background. | | | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). | | | |

Worksheet 1 - Upgradient vs. Downgradient Comparisons Thallium, total (ug/L) Nonparametric Prediction Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|---------------------------------|---|
| 1 | PL = median(X) = 2.0 | Compute nonparametric prediction limit as median reporting limit in background. |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |
| | | Worksheet 1 - Upgradient vs. Downgradient Comparisons Vanadium, total (ug/L) Nonparametric Prediction Limit |
| <u>Step</u> | Equation | <u>Description</u> |
| 1 | PL = median(X) = 20.0 | Compute nonparametric prediction limit as median reporting limit in background. |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |
| | | Worksheet 1 - Upgradient vs. Downgradient Comparisons Zinc, total (ug/L) Nonparametric Prediction Limit |
| <u>Step</u> | Equation | <u>Description</u> |
| 1 | PL = max(X) = 54.6 | Compute nonparametric prediction limit as largest background measurement. |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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 | | |
| Mickel, Iolai | | | | | | | |

^{* -} 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 | 2 0000 | ** |
| Thallium, total | ug/L | MW-66 | 10/16/2014 | ND ND | 4.0000 | 2.0000 2.0000 | ** |
| Thallium, total | ug/L | MW-66 MW-66 | 01/14/2015 04/03/2015 | ND ND | 4.0000 4.0000 | | ** |
| Thallium, total Thallium, total | ug/L | MW-66 | | ND ND | I | 2.0000 | ** |
| Thallium, total | ug/L | MW-66 | 07/06/2015 10/01/2015 | ND | 4.0000 1.0000 | 2.0000 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 04/14/2016 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 10/13/2016 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L ug/L | MW-66 | 04/10/2017 | ND | 4.0000 | 2.0000 | ** |
| Vanadium, total | ug/L ug/L | MW-66 | 10/16/2014 | ND | 20.0000 | 2.0000 | |
| 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 2.0000 | | |
| Antimony, total | ug/L | MW-85 | 10/25/2022 | ND | | | |
| 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 Arsenic, total | ug/L | MW-85 | 10/15/2024 | ND | 2.0000 | | - |
| | ug/L | MW-85 MW-85 | 10/16/2014 | ND | 4.0000 | | |
| Arsenic, total Arsenic, total | ug/L | MW-85 | 01/14/2015 04/03/2015 | ND ND | 4.0000 4.0000 | | |
| Arsenic, total | ug/L ug/L | MW-85 | 07/06/2015 | ND | 4.0000 | | |
| | ug/L ug/L | MW-85 | 10/01/2015 | ND | 4.0000 | | |
| Arsenic, total | | | | | | | |

^{* -} 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 | 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 | | |
| 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 ug/L | MW-85 | 10/08/2021 | | 121.0000 | | |
| Barium, total | ug/L ug/L | MW-85 | 04/06/2022 | | 133.0000 | | |
| l = | ug/L ug/L | MW-85 | 10/25/2022 | | 138.0000 | | |
| Barium, total | | MW-85 | 04/11/2023 | | 141.0000 | | |
| Barium, total | ug/L | | | | | | |
| Barium, total | ug/L | MW-85 MW-85 | 10/13/2023 04/17/2024 | | 143.0000 144.0000 | | |
| Barium, total Barium, total | ug/L ug/L | MW-85 | 10/15/2024 | | 136.0000 | | |
| 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 ug/L | MW-85 | 04/03/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L ug/L | MW-85 | 07/06/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L ug/L | MW-85 | 10/01/2015 | ND | 4.0000 | | |
| | | MW-85 | | ND | 4.0000 | | |
| Beryllium, total | ug/L | | 04/14/2016 | | | | |
| Beryllium, total | ug/L | MW-85 | 10/13/2016 | ND ND | 4.0000 | | |
| Beryllium, total Beryllium, total | ug/L | MW-85 | 04/10/2017 | ND | 4.0000 | | |
| | ug/L | MW-85 | 10/09/2017 | | 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 MW-85 | 04/22/2019 10/23/2019 | ND | 4.0000 4.0000 | | |
| Beryllium, total | ug/L | | | ND ND | | | |
| Beryllium, total | ug/L | MW-85 | 04/10/2020 | | 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 | | _ |
| 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 | | |
| 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 ug/L | MW-85 MW-85 | 10/09/2017 04/17/2018 | ND ND | 0.8000 0.8000 | | |
| Cadmium, total | | | | | | | |

^{* -} 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 | 10/22/2018 | 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 ug/L | MW-85 MW-85 | 10/19/2020 04/05/2021 | ND ND | 0.8000 0.8000 | | |
| Cadmium, total | ug/L 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 | | |
| Chromium, total | ug/L | MW-85 | 10/16/2014 | ND | 8.0000 | | |
| Chromium, total Chromium, total | ug/L ug/L | MW-85 MW-85 | 01/14/2015 04/03/2015 | ND ND | 8.0000 8.0000 | | |
| Chromium, total | ug/L 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 ug/L | MW-85 MW-85 | 04/10/2020 10/19/2020 | ND ND | 8.0000 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 MW-85 | 10/15/2024 10/16/2014 | ND ND | 8.0000 0.8000 | | |
| Cobalt, total | ug/L 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 ug/L | MW-85 MW-85 | 04/17/2018 10/22/2018 | ND ND | 0.8000 0.8000 | | |
| Cobalt, total | ug/L 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 ug/L | MW-85 MW-85 | 04/11/2023 10/13/2023 | ND ND | 0.4000 0.4000 | 0.8000 | ** |
| Cobalt, total | ug/L ug/L | MW-85 | 04/17/2024 | טאו | 0.4000 | 0.0000 | |
| Cobalt, total | ug/L | MW-85 | 10/15/2024 | ND | 0.4000 | 0.8000 | ** |
| Copper, total | ug/L | MW-85 | 10/16/2014 | ND | 4.0000 | 3.0000 | |
| 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 MW-85 | 04/14/2016 | ND ND | 4.0000 | | |
| Copper, total Copper, total | ug/L ug/L | MW-85 | 10/13/2016 04/10/2017 | ND | 4.0000 4.0000 | | |
| Copper, total | ug/L 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 Copper, total | ug/L ug/L | MW-85 MW-85 | 04/10/2020 10/19/2020 | ND ND | 4.0000 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**

| Copper, total Lead, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 04/05/2021 10/08/2021 04/06/2022 10/25/2022 04/11/2023 10/13/2023 04/17/2024 10/15/2024 10/16/2014 01/14/2015 04/03/2015 | ND ND ND ND ND ND ND | 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 | |
|---|--|---|--|--|--|----------|
| Copper, total Lead, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 04/06/2022 10/25/2022 04/11/2023 10/13/2023 04/17/2024 10/15//2024 10/16/2014 01/14/2015 | ND ND ND ND ND ND | 4.0000 4.0000 4.0000 4.0000 4.0000 | |
| Copper, total Copper, total Copper, total Copper, total Copper, total Copper, total Lead, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 10/25/2022 04/11/2023 10/13/2023 04/17/2024 10/15/2024 10/16/2014 01/14/2015 | ND ND ND ND ND | 4.0000 4.0000 4.0000 4.0000 | |
| Copper, total Copper, total Ucopper, total Ucopper, total Ucopper, total Ucad, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 04/11/2023 10/13/2023 04/17/2024 10/15/2024 10/16/2014 01/14/2015 | ND ND ND ND | 4.0000 4.0000 4.0000 | |
| Copper, total Copper, total Understand Copper, total Lead, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 10/13/2023 04/17/2024 10/15/2024 10/16/2014 01/14/2015 | ND ND ND | 4.0000 4.0000 | |
| Copper, total Copper, total Lead, total | ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 MW-85 | 04/17/2024 10/15/2024 10/16/2014 01/14/2015 | ND ND ND | 4.0000 | |
| Copper, total u Lead, total u | ug/L ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 MW-85 | 10/15/2024 10/16/2014 01/14/2015 | ND ND | | |
| Lead, total u | ug/L ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 MW-85 | 10/16/2014 01/14/2015 | ND | 4.0000 | |
| Lead, total u | ug/L ug/L ug/L ug/L ug/L | MW-85 MW-85 MW-85 | 01/14/2015 | | | |
| Lead, total | ug/L ug/L ug/L ug/L | MW-85 MW-85 | | | 4.0000 | |
| Lead, total u Lead, total u Lead, total u Lead, total u Lead, total u | ug/L ug/L ug/L | MW-85 | 04/03/2015 | ND | 4.0000 | |
| Lead, total u Lead, total u Lead, total u Lead, total u | ug/L ug/L | | | ND | 4.0000 | |
| Lead, total u Lead, total u Lead, total u | ug/L | | 07/06/2015 | ND | 4.0000 | |
| Lead, total u | | MW-85 | 10/01/2015 | ND | 4.0000 | |
| Lead, total | uu/L I | MW-85 | 04/14/2016 | ND | 4.0000 | |
| | | MW-85 MW-85 | 10/13/2016 04/10/2017 | ND ND | 4.0000 | |
| | ug/L | | | | 4.0000 | |
| | ug/L | MW-85 | 10/09/2017 | ND | 4.0000 | |
| | ug/L | MW-85 MW-85 | 04/17/2018 | ND ND | 4.0000 | |
| | ug/L | MW-85 | 10/22/2018 04/22/2019 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/23/2019 | ND | 4.0000 4.0000 | |
| | ug/L ug/L | MW-85 | 04/10/2020 | ND | 4.0000 | |
| | ug/L ug/L | MW-85 | 10/19/2020 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/05/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/08/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/06/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/25/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/11/2023 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/13/2023 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/17/2024 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/15/2024 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/16/2014 | ND | 4.0000 | |
| | ug/L | MW-85 | 01/14/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/03/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 07/06/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/01/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/14/2016 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/13/2016 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/10/2017 | ND | 4.0000 | |
| Nickel, total u | ug/L | MW-85 | 10/09/2017 | ND | 4.0000 | |
| Nickel, total u | ug/L | MW-85 | 04/17/2018 | ND | 4.0000 | |
| Nickel, total u | ug/L | MW-85 | 10/22/2018 | | 20.6000 | * |
| Nickel, total u | ug/L | MW-85 | 04/22/2019 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/23/2019 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/10/2020 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/19/2020 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/05/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/08/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/06/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/25/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/11/2023 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/13/2023 | ND | 4.0000 | |
| | ug/L | MW-85 MW-85 | 04/17/2024 10/15/2024 | ND ND | 4.0000 4.0000 | |
| | ug/L ug/L | MW-85 | 10/16/2014 | ND | 4.0000 | \vdash |
| | ug/L | MW-85 | 01/14/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/03/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 07/06/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/01/2015 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/14/2016 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/13/2016 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/10/2017 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/09/2017 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/17/2018 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/22/2018 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/22/2019 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/23/2019 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/10/2020 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/19/2020 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/05/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/08/2021 | ND | 4.0000 | |
| | ug/L | MW-85 | 04/06/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 10/25/2022 | ND | 4.0000 | |
| | ug/L | MW-85 | 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 | |
|------------------------------------|--------------|----------------|--------------------------|----------|--------------------|----------|-----|
| 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 | | |
| 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 | 0.0000 | ** |
| 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 Thallium, total | ug/L | MW-85 MW-85 | 04/17/2024 10/15/2024 | ND ND | 2.0000 | | |
| | ug/L | MW-85 | 10/15/2024 | ND | 2.0000 | | _ |
| Vanadium, total Vanadium, total | ug/L ug/L | MW-85 | 01/14/2015 | ND | 20.0000 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/03/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 07/06/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/01/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/14/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L 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 ug/L | MW-85 | 10/09/2017 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/17/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/22/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/22/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/23/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L 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 ug/L | MW-85 | 04/05/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/06/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/25/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/11/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/13/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 04/17/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-85 | 10/15/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L ug/L | MW-85 | 10/16/2014 | ND | 20.0000 | | |
| | ug/L ug/L | MW-85 | 01/14/2015 | ND | 8.0000 | 20.0000 | ** |
| Zinc, total | | | | | | | |

^{* -} 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-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 ND | 20.0000 | | |
| Zinc, total | ug/L | MW-85 | 10/25/2022 | | 20.0000 | | |
| Zinc, total | ug/L | MW-85 | 04/11/2023 | ND ND | 20.0000 | | |
| Zinc, total | ug/L | MW-85 MW-85 | 10/13/2023 04/17/2024 | ND | 20.0000 20.0000 | | |
| Zinc, total Zinc, total | ug/L ug/L | MW-85 | 10/15/2024 | ND | 20.0000 | | |
| | ug/L | | | ND | 2.0000 | | |
| Antimony, total Antimony, total | ug/L ug/L | MW-98 MW-98 | 10/13/2016 04/10/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L ug/L | MW-98 | 10/09/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L 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 | | |
| 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 Arsenic, total | ug/L ug/L | MW-98 | 10/25/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L ug/L | MW-98 MW-98 | 04/11/2023 10/13/2023 | | 6.4000 6.3000 | | |
| Arsenic, total | ug/L ug/L | MW-98 | 04/17/2024 | | 48.0000 | | * |
| Arsenic, total | ug/L ug/L | MW-98 | 10/15/2024 | ND | 4.0000 | | |
| Barium, total | ug/L | MW-98 | 10/13/2016 | .40 | 171.0000 | | |
| Barium, total | ug/L 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 | | |
| Beryllium, total | ug/L | MW-98 | 10/13/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-98 | 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 | |
|--------------------------------|--------------|----------------|--------------------------|----------|--------|----------|--|
| 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 | | |
| 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 | | |
| 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 ug/L | MW-98 | 10/15/2024 | ND | 8.0000 | | |
| Cobalt, total | ug/L | MW-98 | 10/13/2024 | .40 | 3.0000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 04/10/2017 | | 4.4000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 10/09/2017 | | 0.8000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 04/17/2018 | | 5.0000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 10/22/2018 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-98 | 04/22/2019 | ,,,5 | 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 ug/L | MW-98 | 10/19/2020 | | 2.2000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 04/05/2021 | | 0.6000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 10/08/2021 | | 2.2000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 04/06/2022 | | 0.7000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 10/25/2022 | | 3.6000 | | |
| Cobalt, total | ug/L ug/L | MW-98 | 04/11/2023 | | 2.1000 | | |
| Cobalt, total | | MW-98 | | | | | |
| | ug/L | | 10/13/2023 04/17/2024 | | 5.5000 | | |
| Cobalt, total | ug/L | MW-98 | | | 4.7000 | | |
| Cobalt, total | ug/L | MW-98 | 10/15/2024 | NID | 1.9000 | | |
| 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 Copper, total | ug/L | MW-98 MW-98 | 04/22/2019 10/23/2019 | ND ND | 4.0000 | | |
| | | L N/IV/V_UX | 111/23/2014 | INII I | 4.0000 | | |
| Copper, total | ug/L ug/L | MW-98 | 04/10/2020 | ND | 4.0000 | | |

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

Table 1 **Upgradient Data**

| Constituent | Units | Well | Date | | Result | Adjusted | |
|--------------------------------------|----------------------|-------------------------|--|----------------|----------------------------|----------|--|
| Copper, total | ug/L | MW-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 Copper, total | ug/L | MW-98 | 04/06/2022 | ND | 4.0000 | | |
| Copper, total | ug/L ug/L | MW-98 MW-98 | 10/25/2022 04/11/2023 | ND ND | 4.0000 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 | | |
| 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 Lead, total | ug/L ug/L | MW-98 MW-98 | 10/22/2018 04/22/2019 | ND ND | 4.0000 4.0000 | | |
| Lead, total | ug/L 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 Lead, total | ug/L ug/L | MW-98 MW-98 | 04/17/2024 10/15/2024 | ND ND | 4.0000 4.0000 | | |
| Nickel, total | ug/L ug/L | MW-98 | 10/13/2024 | 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 ND | 4.0000 | | |
| Nickel, total Nickel, total | ug/L ug/L | MW-98 MW-98 | 04/05/2021 10/08/2021 | ND | 4.0000 4.0000 | | |
| Nickel, total | ug/L 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 | | |
| Selenium, total | ug/L | MW-98 | 10/13/2016 | ND | 4.0000 | | |
| Selenium, total Selenium, total | ug/L ug/L | MW-98 MW-98 | 04/10/2017 10/09/2017 | ND ND | 4.0000 4.0000 | | |
| Selenium, total | ug/L 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 Selenium, total | ug/L | MW-98 MW-98 | 10/08/2021 | ND ND | 4.0000 | | |
| Selenium, total | ug/L ug/L | MW-98 | 04/06/2022 10/25/2022 | ND ND | 4.0000 4.0000 | | |
| Selenium, total | ug/L 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 | | |
| 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 Silver, total | ug/L ug/L | MW-98 MW-98 | 10/22/2018 04/22/2019 | ND ND | 4.0000 4.0000 | | |
| Silver, total | ug/L 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 | | |
| | | | 0.4/0.0/0.00 | | 4 0000 | | |
| Silver, total | ug/L | MW-98 | 04/06/2022 | ND | 4.0000 | | |
| | ug/L ug/L ug/L | MW-98 MW-98 MW-98 | 04/06/2022 10/25/2022 04/11/2023 | ND ND ND | 4.0000 4.0000 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 | |
|------------------------------------|-------|----------------|--------------------------|----------|---------|----------|----|
| 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 | | |
| 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 | | L |
| 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 | | |
| 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 | 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 | | MW-98 | 04/05/2021 | ND | 20.0000 | | |
| | ug/L | | | | | | |
| 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 ND | 20.0000 | | |
| Zinc, total Zinc, total | ug/L | MW-98 | 04/17/2024 | ND | 20.0000 | | |
| | ug/L | MW-98 MW-99 | 10/15/2024 | ND | 20.0000 | | - |
| Antimony, total | ug/L | MW-99 | 10/13/2016 04/10/2017 | ND | | | |
| Antimony, total | ug/L | | | ND | 2.0000 | | |
| Antimony, total Antimony, total | ug/L | MW-99 | 10/09/2017 | | 2.0000 | | |
| | ug/L | MW-99 MW-99 | 04/17/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | | 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 | | |
| 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 | | 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 | 04/17/2018 | 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 | | |
| 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 MW-99 | 10/09/2017 04/17/2018 | | 140.0000 93.9000 | | |
| Barium, total | ug/L | MW-99 | 10/22/2018 | | | | |
| Barium, total | ug/L | MW-99 | 04/22/2019 | | 81.0000 110.0000 | | |
| Barium, total | ug/L | MW-99 | 10/23/2019 | | 123.0000 | | |
| Barium, total Barium, total | ug/L ug/L | MW-99 | 04/10/2020 | | 123.0000 | | |
| Barium, total | ug/L ug/L | MW-99 | 10/19/2020 | | 118.0000 | | |
| Barium, total | ug/L ug/L | MW-99 | 04/05/2021 | | 117.0000 | | |
| Barium, total | ug/L 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 | | |
| 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 | | |
| 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 ug/L | MW-99 | 10/23/2019 | ND ND | 0.8000 | | |
| Cadmium, total | | MW-99 | 04/10/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-99 | 10/19/2020 | ND | 0.8000 | | |
| Cadmium, total Cadmium, total | ug/L ug/L | MW-99 MW-99 | 04/05/2021 10/08/2021 | ND | 0.8000 0.8000 | | |
| Cadmium, total | | MW-99 | 04/06/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-99 | 10/25/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-99 | 04/11/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-99 | 10/13/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-99 | 04/18/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L ug/L | MW-99 | 10/15/2024 | ND | 0.8000 | | |
| Chromium, total | ug/L | MW-99 | 10/13/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-99 | 04/10/2017 | . 10 | 23.4000 | | |
| Chromium, total | ug/L | MW-99 | 10/09/2017 | ND | 8.0000 | | |
| | ug/L | MW-99 | 04/17/2018 | ND | 8.0000 | | |
| Chromium, total | | | | ND | | | I |
| Chromium, total Chromium, total | | MW-99 | 10/22/2018 | יטאן | 0.00001 | | |
| Chromium, total | ug/L | MW-99 MW-99 | 10/22/2018 04/22/2019 | | 8.0000 8.0000 | | |
| | ug/L ug/L | MW-99 MW-99 MW-99 | 10/22/2018 04/22/2019 10/23/2019 | ND | 8.0000 8.0000 | | |
| Chromium, total Chromium, total | ug/L | MW-99 | 04/22/2019 | | 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 | 04/05/2021 | 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 | | |
| 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 | | * |
| 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 | 110 | 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 | | |
| 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 ug/L | MW-99 | 10/23/2019 | ND | 4.0000 | | |
| Lead, total | ug/L ug/L | MW-99 | 04/10/2020 | ND | 4.0000 | | |
| Lead, total | ug/L ug/L | MW-99 | 10/19/2020 | ND | 4.0000 | | |
| Lead, total | ug/L ug/L | MW-99 | 04/05/2021 | ND | 4.0000 | | |
| Lead, total | ug/L ug/L | MW-99 | 10/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L 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 ug/L | MW-99 | 04/18/2024 | ND | 4.0000 | | |
| Lead, total | ug/L ug/L | MW-99 | 10/15/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-99 | 10/13/2016 | .40 | 5.6000 | | |
| Nickel, total | ug/L ug/L | MW-99 | 04/10/2017 | | 5.1000 | | |
| Nickel, total | ug/L 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 ug/L | MW-99 | 04/22/2019 | .40 | 5.1000 | | |
| Nickel, total | ug/L ug/L | MW-99 | 10/23/2019 | | 7.1000 | | |
| Nickel, total | ug/L ug/L | MW-99 | 04/10/2020 | | 6.5000 | | |
| Nickel, total | ug/L ug/L | MW-99 | 10/19/2020 | | 6.9000 | | |
| Nickel, total | ug/L ug/L | MW-99 | 04/05/2021 | | 5.1000 | | |
| Nickel, total | ug/L ug/L | MW-99 | 10/08/2021 | | 5.5000 | | |
| Nickel, total | ug/L ug/L | MW-99 | 04/06/2022 | | 5.3000 | | |
| Nickel, total | ug/L ug/L | MW-99 | 10/25/2022 | | 6.2000 | | |
| Nickel, total | ug/L ug/L | MW-99 | 04/11/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L ug/L | MW-99 | 10/13/2023 | טאו | 5.3000 | | |
| LINIUNCI, IUIAI | uy/L | 14144-23 | 10/10/2020 | | 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 | 04/18/2024 | | 6.3000 | | |
| Nickel, total | ug/L | MW-99 | 10/15/2024 | ND | 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 Selenium, total | ug/L ug/L | MW-99 MW-99 | 10/09/2017 04/17/2018 | ND ND | 4.0000 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 Selenium, total | ug/L ug/L | MW-99 MW-99 | 04/06/2022 10/25/2022 | ND ND | 4.0000 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 | | |
| 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 MW-99 | 04/17/2018 10/22/2018 | ND ND | 4.0000 | | |
| Silver, total Silver, total | ug/L ug/L | MW-99 | 04/22/2019 | ND | 4.0000 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 Silver, total | ug/L ug/L | MW-99 MW-99 | 04/11/2023 10/13/2023 | ND ND | 4.0000 4.0000 | | |
| Silver, total | ug/L ug/L | MW-99 | 04/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-99 | 10/15/2024 | ND | 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 MW-99 | 10/22/2018 | ND ND | 4.0000 | 2.0000 | ** |
| Thallium, total Thallium, total | ug/L ug/L | MW-99 | 04/22/2019 10/23/2019 | ND | 2.0000 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 Thallium, total | ug/L ug/L | MW-99 MW-99 | 04/11/2023 10/13/2023 | ND ND | 2.0000 2.0000 | | |
| Thallium, total | ug/L ug/L | MW-99 | 04/18/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-99 | 10/15/2024 | ND | 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 Vanadium, total | ug/L ug/L | MW-99 MW-99 | 10/22/2018 04/22/2019 | ND ND | 20.0000 20.0000 | | |
| Vanadium, total | ug/L 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 Vanadium, total | ug/L ug/L | MW-99 MW-99 | 04/11/2023 10/13/2023 | ND ND | 20.0000 20.0000 | | |
| Vanadium, total | ug/L ug/L | MW-99 | 04/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-99 | 10/15/2024 | ND | 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 Zinc, total | ug/L | MW-99 | 10/09/2017 | | 11.2000 | 00.000 | ** |
| | ug/L | MW-99 | 04/17/2018 | ND | 8.0000 | 20.0000 | ^ ^ |

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

Table 1 **Upgradient Data**

| Constituent | Units | Well | Date | | Result | Adjusted | |
|-------------|-------|-------|------------|----|---------|----------|--|
| Zinc, total | ug/L | MW-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 | | |

^{* -} 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-96R | 10/15/2024 | ND | 2.0000 | | 2.0000 |
| Arsenic, total | ug/L | MW-96R | 10/15/2024 | | 6.6000 | | 7.8000 |
| Barium, total | ug/L | MW-96R | 10/15/2024 | | 338.0000 | | 452.8909 |
| Beryllium, total | ug/L | MW-96R | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-96R | 10/15/2024 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-96R | 10/15/2024 | ND | 8.0000 | | 23.4000 |
| Cobalt, total | ug/L | MW-96R | 10/15/2024 | | 10.5000 | * | 5.9879 |
| Copper, total | ug/L | MW-96R | 10/15/2024 | ND | 4.0000 | | 5.3000 |
| Lead, total | ug/L | MW-96R | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-96R | 10/15/2024 | | 4.6000 | | 8.8000 |
| Selenium, total | ug/L | MW-96R | 10/15/2024 | ND | 4.0000 | ** | 4.0000 |
| Silver, total | ug/L | MW-96R | 10/15/2024 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-96R | 10/15/2024 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-96R | 10/15/2024 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-96R | 10/15/2024 | ND | 20.0000 | | 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 | 65 | 0.000 | 0 | 8 | 0.000 |
| Arsenic, total | 5 | 63 | 0.079 | 8 | 11 | 0.727 |
| Barium, total | 65 | 65 | 1.000 | 9 | 9 | 1.000 |
| Beryllium, total | 0 | 65 | 0.000 | 0 | 8 | 0.000 |
| Cadmium, total | 0 | 65 | 0.000 | 0 | 8 | 0.000 |
| Chromium, total | 2 | 65 | 0.031 | 0 | 8 | 0.000 |
| Cobalt, total | 35 | 63 | 0.556 | 11 | 11 | 1.000 |
| Copper, total | 4 | 65 | 0.062 | 0 | 8 | 0.000 |
| Lead, total | 0 | 65 | 0.000 | 0 | 8 | 0.000 |
| Nickel, total | 14 | 64 | 0.219 | 8 | 8 | 1.000 |
| Selenium, total | 0 | 65 | 0.000 | 3 | 9 | 0.333 |
| Silver, total | 0 | 65 | 0.000 | 0 | 8 | 0.000 |
| Thallium, total | 0 | 65 | 0.000 | 0 | 8 | 0.000 |
| Vanadium, total | 0 | 65 | 0.000 | 0 | 8 | 0.000 |
| Zinc, total | 7 | 64 | 0.109 | 0 | 8 | 0.000 |

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 | 65 | 0.000 | | | | | | | | | nonpar |
| Arsenic, total | 5 | 63 | 0.079 | 0.427 | 0.013 | | | | | 2.326 | normal | nonpar |
| Barium, total | 65 | 65 | 1.000 | 0.569 | 1.099 | | | | | 2.326 | normal | normal |
| Beryllium, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Cadmium, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Chromium, total | 2 | 65 | 0.031 | | | | | | | | | nonpar |
| Cobalt, total | 35 | 63 | 0.556 | 1.125 | 0.053 | | | | | 2.326 | normal | normal |
| Copper, total | 4 | 65 | 0.062 | | | | | | | | | nonpar |
| Lead, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Nickel, total | 14 | 64 | 0.219 | 1.049 | 0.057 | | | | | 2.326 | normal | nonpar |
| Selenium, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Silver, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Thallium, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Vanadium, total | 0 | 65 | 0.000 | | | | | | | | | nonpar |
| Zinc, total | 7 | 64 | 0.109 | 0.439 | 0.418 | | | | | 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 | Туре | | Conf |
|------------------|-------|--------|----|----------|----------|--------|--------|------------|--------|-----|------|
| Antimony, total | ug/L | 0 | 65 | | | | | 2.0000 | nonpar | *** | 0.99 |
| Arsenic, total | ug/L | 5 | 63 | | | | | 7.8000 | nonpar | | 0.99 |
| Barium, total | ug/L | 65 | 65 | 179.9308 | 113.5302 | 0.0100 | 2.4043 | 452.8909 | normal | | |
| Beryllium, total | ug/L | 0 | 65 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Cadmium, total | ug/L | 0 | 65 | | | | | 0.8000 | nonpar | *** | 0.99 |
| Chromium, total | ug/L | 2 | 65 | | | | | 23.4000 | nonpar | | 0.99 |
| Cobalt, total | ug/L | 35 | 63 | 1.5746 | 1.8336 | 0.0100 | 2.4069 | 5.9879 | normal | | |
| Copper, total | ug/L | 4 | 65 | | | | | 5.3000 | nonpar | | 0.99 |
| Lead, total | ug/L | 0 | 65 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Nickel, total | ug/L | 14 | 64 | | | | | 8.8000 | nonpar | | 0.99 |
| Selenium, total | ug/L | 0 | 65 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Silver, total | ug/L | 0 | 65 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Thallium, total | ug/L | 0 | 65 | | | | | | nonpar | *** | 0.99 |
| Vanadium, total | ug/L | 0 | 65 | | | | | 20.0000 | nonpar | *** | 0.99 |
| Zinc, total | ug/L | 7 | 64 | | | | | 54.6000 | nonpar | | 0.99 |

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent Conf = confidence level for passing initial test or one verification resample at all downgradient webs (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 | | 10/13/2016-10/15/2024 | 16 | 0.5973 |
| Cobalt, total | ug/L | MW-99 | 10/22/2018 | 0.8000 | | 10/13/2016-10/15/2024 | 17 | 0.5973 |
| Cobalt, total | ug/L | MW-99 | 10/15/2024 | 0.9000 | | 10/13/2016-10/15/2024 | 17 | 0.5973 |

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

Table 8 Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|-----------------|-------|--------|------------|----|---------|---|-------------|
| Cobalt, total | ug/L | MW-96R | 04/05/2021 | | 16.8000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-96R | 07/02/2021 | | 11.9000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-96R | 10/08/2021 | | 11.4000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-96R | 04/06/2022 | | 7.6000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-96R | 10/25/2022 | | 11.1000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-96R | 04/11/2023 | | 2.2000 | | 5.9879 |
| Cobalt, total | ug/L | MW-96R | 07/07/2023 | | 11.2000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-96R | 07/20/2023 | | 10.0000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-96R | 10/13/2023 | | 10.6000 | * | 5.9879 |
| Cobalt, total | ug/L | MW-96R | 04/16/2024 | | 1.8000 | | 5.9879 |
| Cobalt, total | ug/L | MW-96R | 10/15/2024 | | 10.5000 | * | 5.9879 |
| 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 |

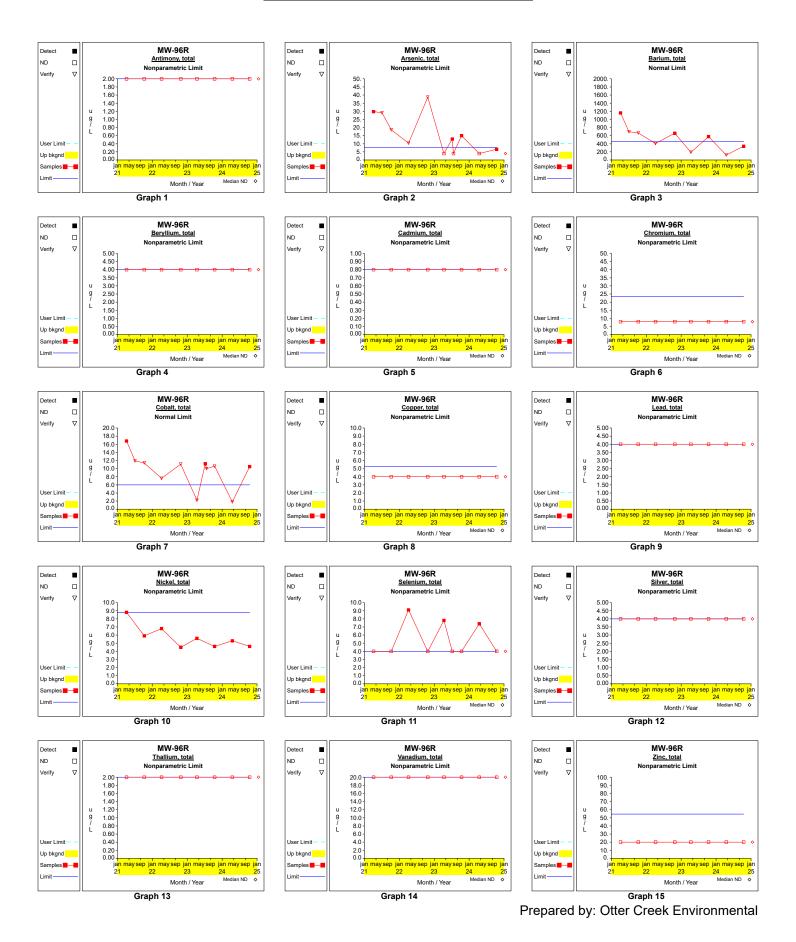
^{* -} Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Up vs. Down Prediction Limits



Attachment C

Assessment Statistics for Trace Metals

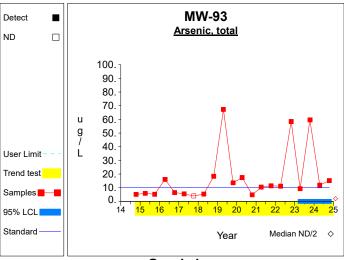
marshall2024s2 November 2024

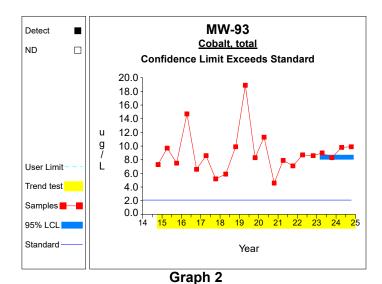
Table 1 Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

| Constituent | Units | Well | N | Mean | SD | Factor | 95% LCL | 95% UCL | Standard | Trend | |
|----------------|-------|-------|---|--------|--------|--------|---------|---------|----------|-------|----|
| Arsenic, total | ug/L | MW-93 | 4 | 24.000 | 23.856 | 1.176 | 0.000 | 52.061 | 10.000 | | |
| Cobalt, total | ug/L | MW-93 | 4 | 9.250 | 0.751 | 1.176 | 8.367 | 10.133 | 2.100 | | ** |
| Nickel, total | ug/L | MW-93 | 4 | 28.300 | 2.694 | 1.176 | 25.131 | 31.469 | 100.000 | | |

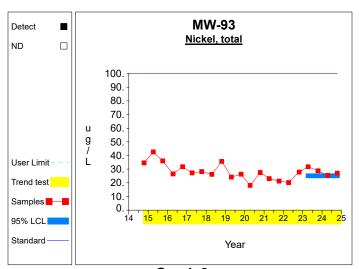
^{* -} Insufficient Data ** - Significant Exceedance LCL = Lower Confidence Limit UCL = Upper Confidence Limit

Confidence Limits (Assessment)









Graph 3

Worksheet 6 - Assessment Monitoring Arsenic, total (ug/L) at MW-93

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|---|--|
| 1 | $\overline{X} = sum[X] / N$ | Compute the mean of the last 4 measurements. |
| | = 96.0 / 4 | |
| | = 24.0 | |
| 2 | S = $((sum[x^2] - sum[x]^2/N) / (N-1))^{1/2}$ | Compute sd of the last 4 measurements. |
| | = ((4011.3 - 9216.0/4) / (4-1)) ^{1/2} | |
| | = 23.856 | |
| 3 | $LCL = \overline{X} - tS/N^{\frac{1}{2}}$ | Compute lower confidence limit for the mean of the last 4 |
| | = 24.0 - 2.353 * 23.856/4 ^{1/2} | measurements. |
| | = 0.0 | |
| 4 | $UCL = \overline{X} + tS/N^{\frac{1}{2}}$ | Compute upper confidence limit for the mean of the last 4 |
| | = 24.0 + 2.353 * 23.856/4 ^{1/2} | measurements. |
| | = 52.061 | |
| 5 | N' = N * (N-1) / 2 | Number of sample pairs during trend detection period. |
| | = 21 * (21 -1) / 2 | |
| | = 210 | |
| 6 | S = 0.918 | Sen's estimator of trend. |
| 7 | var(S) = 1096.667 | Variance estimate for slope. |
| 8 | $M(S) = (N' \pm Z_{.995}^{*} * var(S)^{1/2}) / 2$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M th largest slope |
| | = $(210 \pm 2.576 * 1096.667^{1/2}) / 2$ | estimates for the values shown. When the values are not |
| | = [62.347, 147.653] | integers, interpolation is used. |
| 9 | CL(S) = [-0.331, 3.178] | Two-sided confidence interval for slope. |
| 10 | the interval includes 0 | There is no significant trend. |

Worksheet 6 - Assessment Monitoring Cobalt, total (ug/L) at MW-93

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|---|--|
| 1 | $\overline{X} = sum[X] / N$ | Compute the mean of the last 4 measurements. |
| | = 37.0 / 4 | |
| | = 9.25 | |
| 2 | $S = ((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ | Compute sd of the last 4 measurements. |
| | = ((343.94 - 1369.0/4) / (4-1)) ^{1/2} | |
| | = 0.751 | |
| 3 | $LCL = \overline{X} - tS/N^{1/2}$ | Compute lower confidence limit for the mean of the last 4 |
| | = 9.25 - 2.353 * 0.751/4 ^{1/2} | measurements. |
| | = 8.367 | |
| 4 | $UCL = \overline{X} + tS/N^{\frac{1}{2}}$ | Compute upper confidence limit for the mean of the last 4 |
| | = 9.25 + 2.353 * 0.751/4 ^{1/2} | measurements. |
| | = 10.133 | |
| 5 | N' = N * (N -1) / 2 | Number of sample pairs during trend detection period. |
| | = 21 * (21 -1) / 2 | |
| | = 210 | |
| 6 | S = 0.163 | Sen's estimator of trend. |
| 7 | var(S) = 1093.667 | Variance estimate for slope. |
| 8 | $M(S) = (N' \pm Z_{.995}^* \text{ var(S)}^{1/2}) / 2$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M th largest slope |
| | = (210 ± 2.576 * 1093.667 ½) / 2 | estimates for the values shown. When the values are not |
| | = [62.405, 147.595] | integers, interpolation is used. |
| 9 | CL(S) = [-0.4, 0.619] | Two-sided confidence interval for slope. |
| 10 | the interval includes 0 | There is no significant trend. |

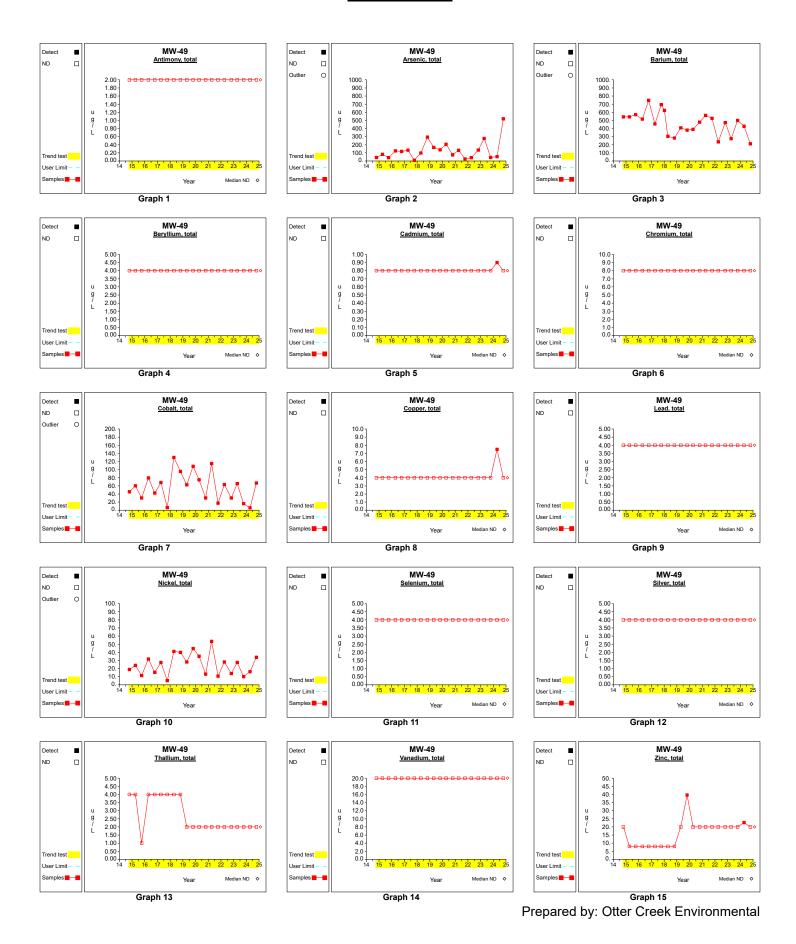
Worksheet 6 - Assessment Monitoring Nickel, total (ug/L) at MW-93

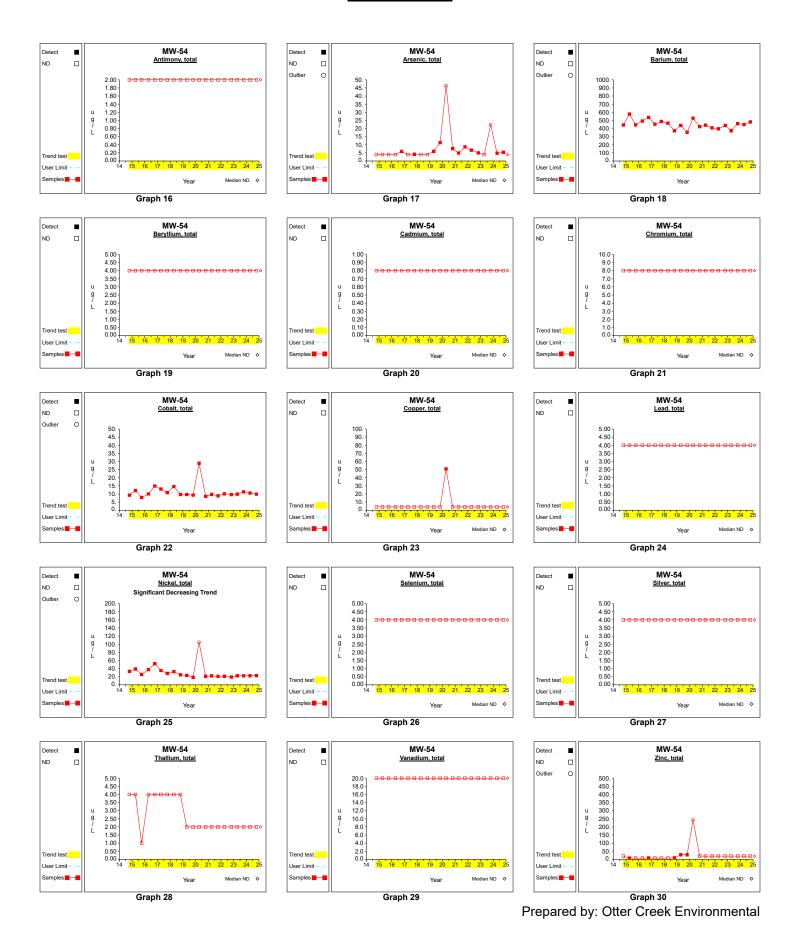
| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|--|---|
| 1 | X = sum[X] / N = 113.2 / 4 = 28.3 | Compute the mean of the last 4 measurements. |
| 2 | S = $((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ = $((3225.34 - 12814.24/4) / (4-1))^{1/2}$ = 2.694 | Compute sd of the last 4 measurements. |
| 3 | LCL = \overline{X} - tS/N ^{1/2} = 28.3 - 2.353 * 2.694/4 ^{1/2} = 25.131 | Compute lower confidence limit for the mean of the last 4 measurements. |
| 4 | UCL = \overline{X} + tS/N ^{1/2} = 28.3 + 2.353 * 2.694/4 ^{1/2} = 31.469 | Compute upper confidence limit for the mean of the last 4 measurements. |
| 5 | N' = N * (N-1) / 2 = 21 * (21-1) / 2 = 210 | Number of sample pairs during trend detection period. |
| 6 | S = -0.971 | Sen's estimator of trend. |
| 7 | var(S) = 1095.667 | Variance estimate for slope. |
| 8 | $M(S) = (N' \pm Z_{.995}^{*} * var(S)^{1/2}) / 2$ $= (210 \pm 2.576 * 1095.667^{1/2}) / 2$ $= [62.366, 147.634]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M th largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9 | CL(S) = [-2.136, 0.195] | Two-sided confidence interval for slope. |
| 10 | the interval includes 0 | There is no significant trend. |

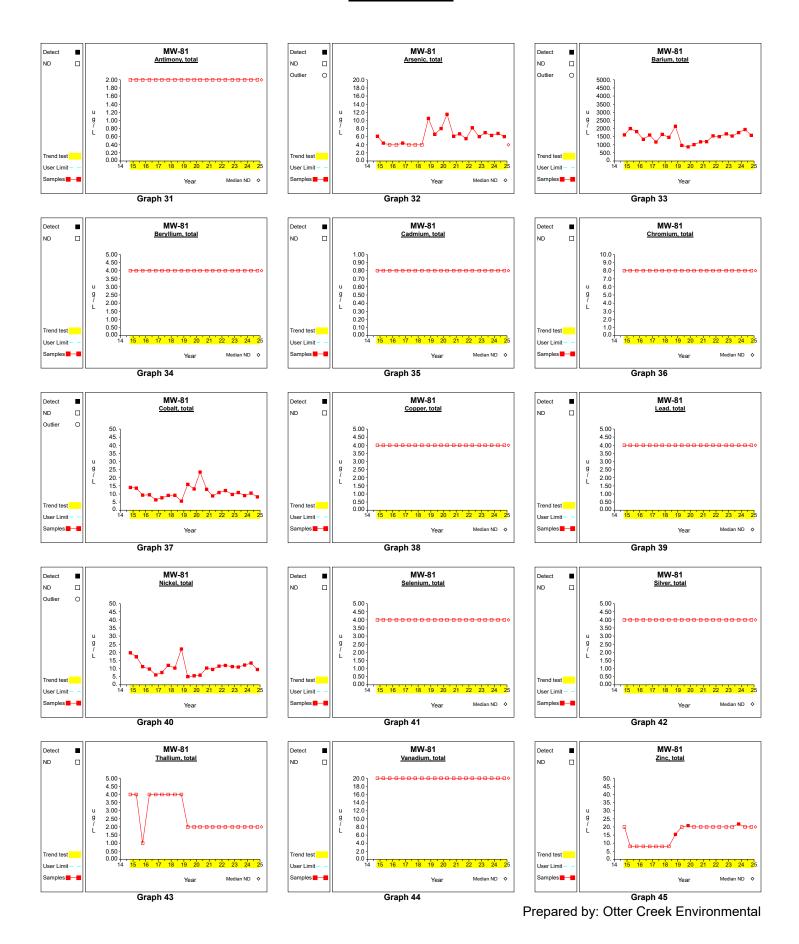
Attachment D

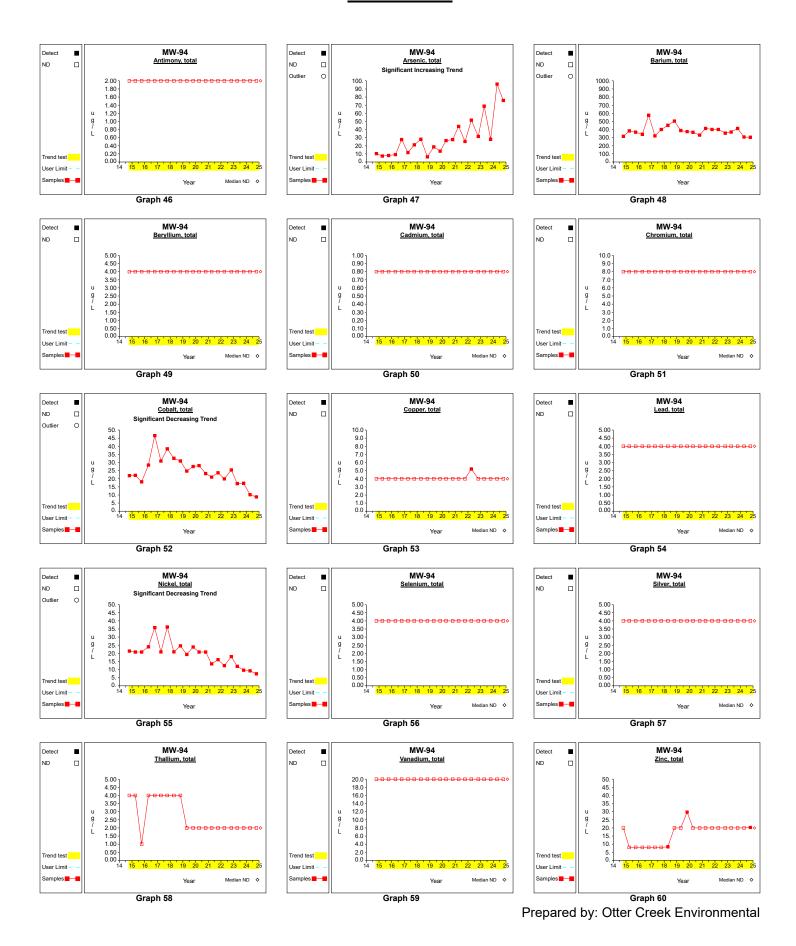
Supplemental Wells Time Series of Trace Metals

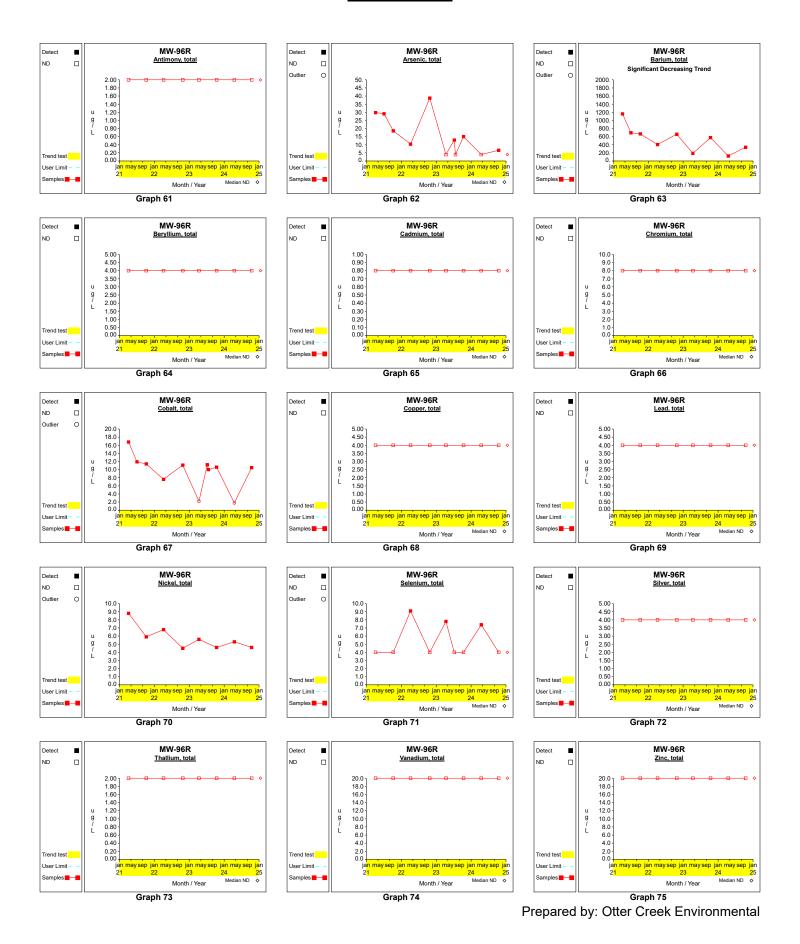
marshall2024s2 November 2024











Attachment E

Summary Table and Graphs – Intrawell Statistics

marshall2024s2 November 2024

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 | Туре | Conf | |
|------------------|-------|-------|---------|--------|--------|----------|---------|----------|----------|----------|----------|----------|--------|------|----|
| Antimony, total | ug/L | MW-93 | 13 | 8 | 36 | | | 2.0000 | 2.0000 | | | 2.0000 | nonpar | .99 | ** |
| Arsenic, total | ug/L | MW-93 | 13 | 8 | 36 | 13.4846 | 17.0367 | 11.9000 | 15.2000 | 47.7361 | 36.6740 | 81.6313 | normal | | |
| Barium, total | ug/L | MW-93 | 13 | 8 | 36 | 245.9231 | 70.0053 | 243.0000 | 242.0000 | 245.9231 | 245.9231 | 525.9443 | normal | | |
| Beryllium, total | ug/L | MW-93 | 13 | 8 | 36 | | | 4.0000 | 4.0000 | | | 4.0000 | nonpar | .99 | ** |
| Cadmium, total | ug/L | MW-93 | 13 | 8 | 36 | | | 0.8000 | 0.8000 | | | 0.8000 | nonpar | .99 | ** |
| Chromium, total | ug/L | MW-93 | 13 | 8 | 36 | | | 8.0000 | 8.0000 | | | 8.0000 | nonpar | .99 | ** |
| Cobalt, total | ug/L | MW-93 | 13 | 8 | 36 | 9.1154 | 3.9987 | 9.8000 | 9.9000 | 9.1154 | 9.1154 | 25.1103 | normal | | |
| Copper, total | ug/L | MW-93 | 13 | 9 | 37 | | | 4.0000 | 4.0000 | | | 4.0000 | nonpar | .99 | ** |
| Lead, total | ug/L | MW-93 | 13 | 8 | 36 | | | 4.0000 | 4.0000 | | | 4.0000 | nonpar | .99 | ** |
| Nickel, total | ug/L | MW-93 | 13 | 8 | 37 | 29.6231 | 6.3359 | 25.5000 | 27.1000 | 29.6231 | 29.6231 | 54.9667 | normal | | |
| Selenium, total | ug/L | MW-93 | 13 | 8 | 36 | | | 4.0000 | 4.0000 | | | 4.0000 | nonpar | .99 | ** |
| Silver, total | ug/L | MW-93 | 13 | 8 | 36 | | | 4.0000 | 4.0000 | | | 4.0000 | nonpar | .99 | ** |
| Thallium, total | ug/L | MW-93 | 13 | 8 | 36 | | | 2.0000 | 2.0000 | | | 4.0000 | nonpar | .99 | ** |
| Vanadium, total | ug/L | MW-93 | 13 | 8 | 36 | | | 20.0000 | 20.0000 | | | 20.0000 | nonpar | .99 | ** |
| Zinc, total | ug/L | MW-93 | 13 | 8 | 36 | | | 21.4000 | 20.0000 | | | 34.2000 | 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.

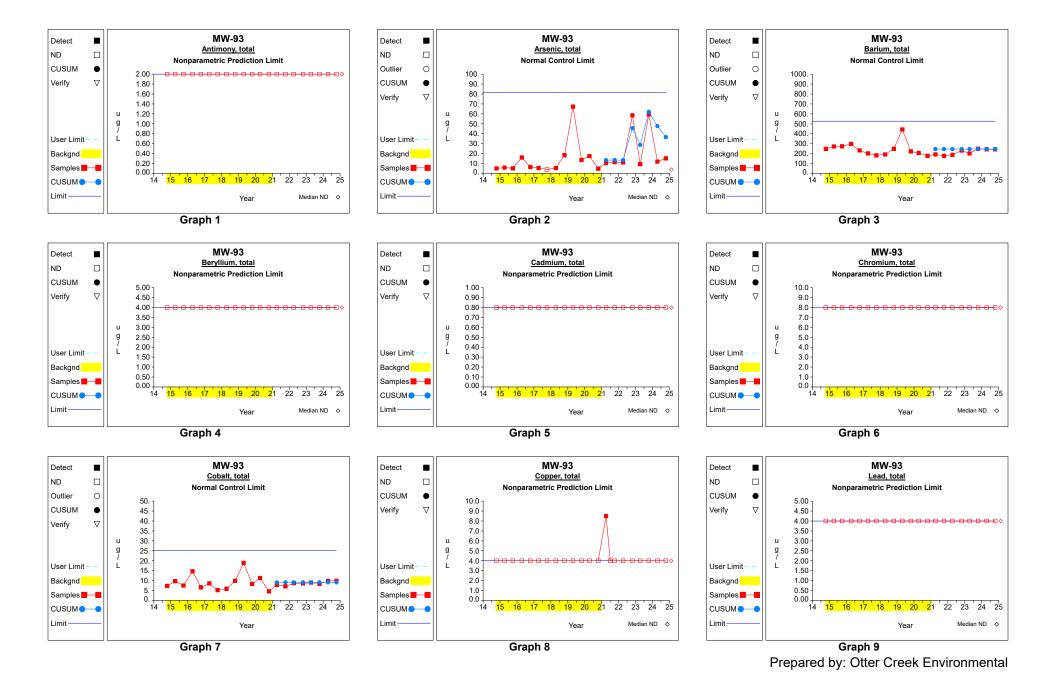
For transformed data, mean and SD in transformed units and control limit in original units.

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

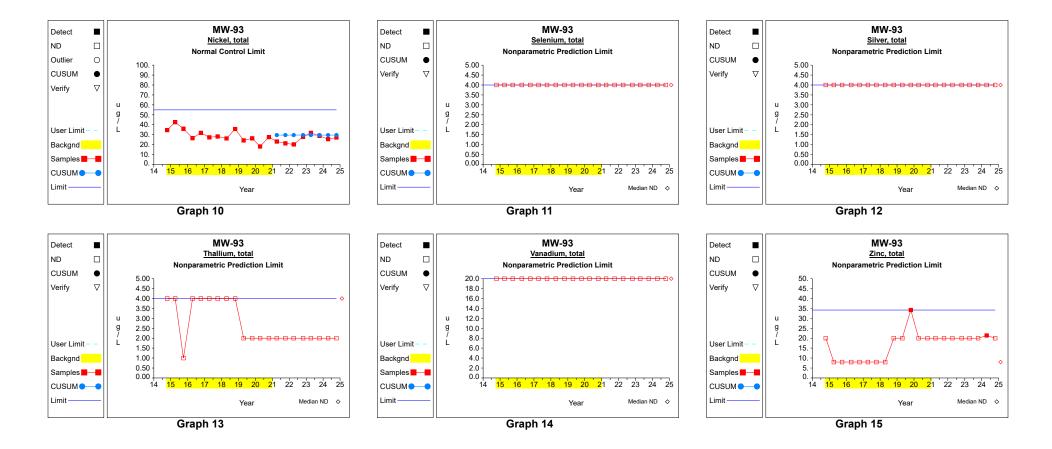
^{* -} Insufficient Data.

^{*** -} Detection Frequency < 25%.
*** - Zero Variance.

Intra-Well Control Charts / Prediction Limits



Intra-Well Control Charts / Prediction Limits



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

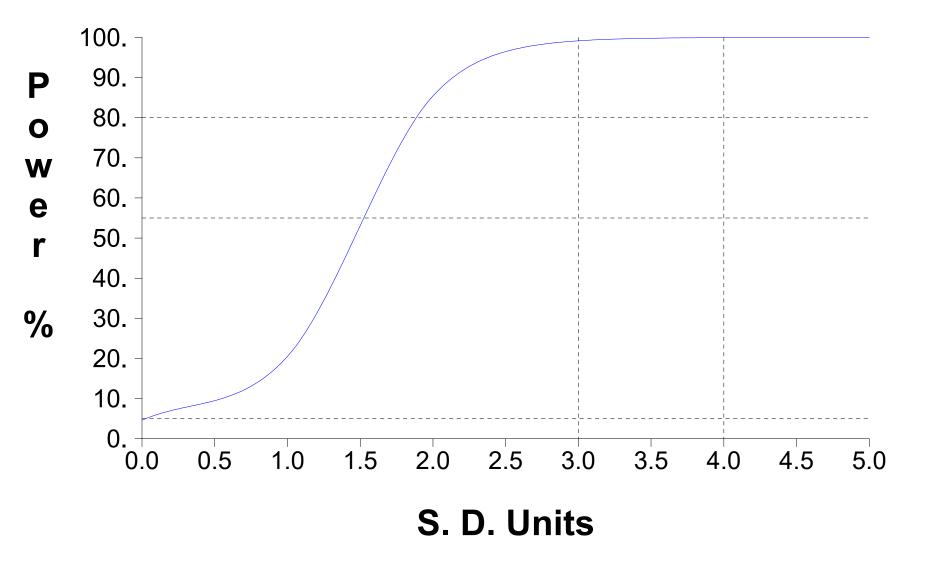


Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|-----------------|--------|-------|--------------|------------|----------|----|---------|---------|----------|--|
| Antimony, total | ug/L | MW-93 | 10/16/2014 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/06/2015 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/01/2015 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/14/2016 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/13/2016 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/10/2017 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/09/2017 | ves | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/17/2018 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/22/2018 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/22/2019 | ves | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/23/2019 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/10/2020 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/19/2020 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/05/2021 | , | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/08/2021 | | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/06/2022 | | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/25/2022 | | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/11/2023 | | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/13/2023 | | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 04/16/2024 | | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-93 | 10/15/2024 | | 2.0000 | ND | | | | |
| Arsenic, total | ug/L | MW-93 | 10/16/2014 | yes | 5.1000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/06/2015 | yes | 5.9000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/01/2015 | yes | 5.2000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/14/2016 | yes | 16.1000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/13/2016 | yes | 6.5000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/10/2017 | ves | 5.5000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/09/2017 | yes | 4.0000 | ND | | | | |
| Arsenic, total | ug/L | MW-93 | 04/17/2018 | yes | 5.4000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/22/2018 | yes | 18.4000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/22/2019 | ves | 67.3000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/23/2019 | ves | 13.6000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/10/2020 | yes | 17.5000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 10/19/2020 | yes | 4.8000 | | | | | |
| Arsenic, total | ug/L | MW-93 | 04/05/2021 | , | 10.5000 | | | 13.4846 | | |
| Arsenic, total | ug/L | MW-93 | 10/08/2021 | | 11.4000 | | | 13.4846 | | |
| Arsenic, total | ug/L | MW-93 | 04/06/2022 | | 11.1000 | | | 13.4846 | | |
| Arsenic, total | ug/L | MW-93 | 10/25/2022 | | 58.5000 | | | 45.7225 | | |
| Arsenic, total | ug/L | MW-93 | 04/11/2023 | | 9.3000 | | | 28.7604 | | |
| Arsenic, total | ug/L | MW-93 | 10/13/2023 | | 59.6000 | | | 62.0983 | | |
| Arsenic, total | ug/L | MW-93 | 04/16/2024 | | 11.9000 | | | 47.7361 | | |
| Arsenic, total | ug/L | MW-93 | 10/15/2024 | | 15.2000 | | | 36.6740 | | |
| Barium, total | ug/L | MW-93 | 10/16/2014 | yes | 248.0000 | | | 55.5.10 | | |
| Barium, total | ug/L | MW-93 | 04/06/2015 | yes | 272.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 10/01/2015 | ves | 274.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/14/2016 | yes | 297.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 10/13/2016 | yes | 232.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/10/2017 | yes | 202.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 10/09/2017 | yes | 183.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/17/2018 | ves | 191.0000 | | | | | |
| zanam, total | _ 49/L | 1 | 1 01/11/2010 | , , , , , | 101.0000 | | 1 | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|------------------|-------|-------|------------|------------|----------|----|---------|----------|----------|--|
| Barium, total | ug/L | MW-93 | 10/22/2018 | yes | 249.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/22/2019 | yes | 443.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 10/23/2019 | yes | 222.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/10/2020 | yes | 206.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 10/19/2020 | yes | 178.0000 | | | | | |
| Barium, total | ug/L | MW-93 | 04/05/2021 | | 192.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 10/08/2021 | | 178.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 04/06/2022 | | 188.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 10/25/2022 | | 231.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 04/11/2023 | | 201.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 10/13/2023 | | 249.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 04/16/2024 | | 243.0000 | | | 245.9231 | | |
| Barium, total | ug/L | MW-93 | 10/15/2024 | | 242.0000 | | | 245.9231 | | |
| Beryllium, total | ug/L | MW-93 | 10/16/2014 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/01/2015 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/13/2016 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/10/2017 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/09/2017 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/17/2018 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/22/2018 | ves | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/22/2019 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/23/2019 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/10/2020 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/19/2020 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/05/2021 | , | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/08/2021 | | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/06/2022 | | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/25/2022 | | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/11/2023 | | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/13/2023 | | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 04/16/2024 | | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-93 | 10/15/2024 | | 4.0000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/16/2014 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/06/2015 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/01/2015 | ves | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/14/2016 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/13/2016 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/10/2017 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/09/2017 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/17/2018 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/22/2018 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/22/2019 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/23/2019 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/10/2020 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/19/2020 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/05/2021 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/08/2021 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/06/2022 | | 0.8000 | ND | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|-----------------|--------------|----------------|------------|------------|---------|----|---------|--------|----------|--|
| Cadmium, total | ug/L | MW-93 | 10/25/2022 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/11/2023 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/13/2023 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 04/16/2024 | | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-93 | 10/15/2024 | | 0.8000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/16/2014 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/06/2015 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/01/2015 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/14/2016 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/13/2016 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/10/2017 | ves | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/09/2017 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/17/2018 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/22/2018 | ves | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/22/2019 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/23/2019 | ves | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/10/2020 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/19/2020 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 04/05/2021 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L ug/L | MW-93 | 10/08/2021 | | 8.0000 | ND | | | | |
| Chromium, total | ug/L ug/L | MW-93 | 04/06/2022 | | 8.0000 | ND | | | | |
| Chromium, total | | MW-93 | | | 8.0000 | ND | | | | |
| | ug/L | MW-93 | 10/25/2022 | | | ND | | | | |
| Chromium, total | ug/L | | 04/11/2023 | | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 MW-93 | 10/13/2023 | | 8.0000 | ND | | | | |
| Chromium, total | ug/L | | 04/16/2024 | | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-93 | 10/15/2024 | 1/00 | 8.0000 | טא | | | | |
| Cobalt, total | ug/L | MW-93 MW-93 | 10/16/2014 | yes | 7.3000 | | | | | |
| Cobalt, total | ug/L | | 04/06/2015 | yes | 9.7000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/01/2015 | yes | 7.5000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/14/2016 | yes | 14.7000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/13/2016 | yes | 6.6000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/10/2017 | yes | 8.6000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/09/2017 | yes | 5.2000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/17/2018 | yes | 5.9000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/22/2018 | yes | 9.9000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/22/2019 | yes | 18.9000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/23/2019 | yes | 8.3000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 04/10/2020 | yes | 11.3000 | | | | | |
| Cobalt, total | ug/L | MW-93 | 10/19/2020 | yes | 4.6000 | | | 0.44=: | | |
| Cobalt, total | ug/L | MW-93 | 04/05/2021 | | 7.9000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 10/08/2021 | | 7.1000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 04/06/2022 | | 8.7000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 10/25/2022 | | 8.6000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 04/11/2023 | | 9.0000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 10/13/2023 | | 8.3000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 04/16/2024 | | 9.8000 | | | 9.1154 | | |
| Cobalt, total | ug/L | MW-93 | 10/15/2024 | | 9.9000 | | | 9.1154 | | |
| Copper, total | ug/L | MW-93 | 10/16/2014 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/01/2015 | yes | 4.0000 | ND | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|------------------|--------------|----------|--------------|------------|---------|-----|---------|-------|----------|----------|
| Copper, total | ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/13/2016 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/10/2017 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/09/2017 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/17/2018 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/22/2018 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/22/2019 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/23/2019 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/10/2020 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/19/2020 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/05/2021 | , | 8.5000 | | | | | ** |
| Copper, total | ug/L | MW-93 | 07/02/2021 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/08/2021 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/06/2022 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/25/2022 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/11/2023 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/13/2023 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 04/16/2024 | | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-93 | 10/15/2024 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/16/2014 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/01/2015 | ves | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/13/2016 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/10/2017 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/09/2017 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/17/2018 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/22/2018 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/22/2019 | ves | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/23/2019 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/10/2020 | ves | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/19/2020 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/05/2021 | , | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/08/2021 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/06/2022 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/25/2022 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/11/2023 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/13/2023 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 04/16/2024 | | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-93 | 10/15/2024 | | 4.0000 | ND | | | | |
| Nickel, total | ug/L | MW-93 | 10/16/2014 | yes | 34.6000 | 110 | | | | |
| Nickel, total | ug/L | MW-93 | 04/06/2015 | yes | 42.6000 | | | | | |
| Nickel, total | ug/L | MW-93 | 10/01/2015 | yes | 36.0000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/14/2016 | yes | 26.5000 | | | | | |
| Nickel, total | ug/L | MW-93 | 10/13/2016 | yes | 31.8000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/10/2017 | yes | 27.3000 | | | | | |
| Nickel, total | ug/L | MW-93 | 10/09/2017 | yes | 28.2000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/17/2018 | ves | 26.2000 | | | | | |
| Nickel, total | ug/L ug/L | MW-93 | 10/22/2018 | , | 35.7000 | | | | | |
| Nickel, total | ug/L ug/L | MW-93 | 04/22/2019 | yes ves | 24.2000 | | | | | |
| ויווטולכו, וטומו | ug/L | 14144-90 | 1 04/22/2019 | l yes | 24.2000 | | | | | <u> </u> |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|-----------------|--------------|-------|------------|------------|---------|----|---------|---------|----------|--|
| Nickel, total | ug/L | MW-93 | 10/23/2019 | yes | 26.3000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/10/2020 | yes | 18.1000 | | | | | |
| Nickel, total | ug/L | MW-93 | 10/19/2020 | yes | 27.6000 | | | | | |
| Nickel, total | ug/L | MW-93 | 04/05/2021 | , | 23.1000 | | | 29.6231 | | |
| Nickel, total | ug/L | MW-93 | 10/08/2021 | | 21.3000 | | | 29.6231 | | |
| Nickel, total | ug/L | MW-93 | 04/06/2022 | | 20.2000 | | | 29.6231 | | |
| Nickel, total | ug/L | MW-93 | 10/25/2022 | | 27.9000 | | | 29.6231 | | |
| Nickel, total | ug/L | MW-93 | 04/11/2023 | | 31.8000 | | | 29.6231 | | |
| Nickel, total | ug/L | MW-93 | 10/13/2023 | | 28.8000 | | | 29.6231 | | |
| Nickel, total | ug/L | MW-93 | 04/16/2024 | | 25.5000 | | | 29.6231 | | |
| Nickel, total | ug/L | MW-93 | 10/15/2024 | | 27.1000 | | | 29.6231 | | |
| Selenium, total | ug/L | MW-93 | 10/16/2014 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/01/2015 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/13/2016 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/10/2017 | ves | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/09/2017 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/17/2018 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/22/2018 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/22/2019 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/23/2019 | ves | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/10/2020 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/19/2020 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/05/2021 | , | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/08/2021 | | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/06/2022 | | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/25/2022 | | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/11/2023 | | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/13/2023 | | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 04/16/2024 | | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-93 | 10/15/2024 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/16/2014 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/01/2015 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/13/2016 | ves | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/10/2017 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/09/2017 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/17/2018 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/22/2018 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/22/2019 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/23/2019 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/10/2020 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/19/2020 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/05/2021 | , | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/08/2021 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/06/2022 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/25/2022 | | 4.0000 | ND | | | | |
| | | | | | 4.0000 | ND | | | | |
| Silver, total | ug/L ug/L | MW-93 | 04/11/2023 | | | | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|-----------------|--------------|-------|------------|------------|---------|----------|---------|-------|----------|-----|
| Silver, total | ug/L | MW-93 | 10/13/2023 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 04/16/2024 | | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-93 | 10/15/2024 | | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/16/2014 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/06/2015 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/01/2015 | yes | 1.0000 | ND | | | 4.0000 | *** |
| Thallium, total | ug/L | MW-93 | 04/14/2016 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/13/2016 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/10/2017 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/09/2017 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/17/2018 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/22/2018 | yes | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/22/2019 | yes | 2.0000 | ND | | | 4.0000 | *** |
| Thallium, total | ug/L | MW-93 | 10/23/2019 | ves | 2.0000 | ND | | | 4.0000 | *** |
| Thallium, total | ug/L | MW-93 | 04/10/2020 | yes | 2.0000 | ND | | | 4.0000 | *** |
| Thallium, total | ug/L | MW-93 | 10/19/2020 | yes | 2.0000 | ND | | | 4.0000 | *** |
| Thallium, total | ug/L | MW-93 | 04/05/2021 | , | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/08/2021 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/06/2022 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/25/2022 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/11/2023 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 10/13/2023 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-93 | 04/16/2024 | | 2.0000 | ND | | | | |
| Thallium, total | ug/L ug/L | MW-93 | 10/15/2024 | | 2.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/16/2014 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/06/2015 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/01/2015 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/14/2016 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/13/2016 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/10/2017 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L ug/L | MW-93 | 10/09/2017 | yes | 20.0000 | ND | | | | |
| Vanadium, total | | MW-93 | 04/17/2018 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/22/2018 | yes | 20.0000 | ND | | | | |
| | ug/L | MW-93 | | yes | 20.0000 | ND ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/22/2019 | yes | | ND | | | | |
| Vanadium, total | ug/L | | 10/23/2019 | yes | 20.0000 | | | | | |
| Vanadium, total | ug/L | MW-93 | 04/10/2020 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/19/2020 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/05/2021 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/08/2021 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/06/2022 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/25/2022 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/11/2023 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/13/2023 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 04/16/2024 | | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-93 | 10/15/2024 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/16/2014 | yes | 20.0000 | ND | | | 8.0000 | *** |
| Zinc, total | ug/L | MW-93 | 04/06/2015 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/01/2015 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 04/14/2016 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/13/2016 | yes | 8.0000 | ND | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|-------------|-------|-------|------------|------------|---------|----|---------|-------|----------|-----|
| Zinc, total | ug/L | MW-93 | 04/10/2017 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/09/2017 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 04/17/2018 | yes | 8.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/22/2018 | yes | 20.0000 | ND | | | 8.0000 | *** |
| Zinc, total | ug/L | MW-93 | 04/22/2019 | yes | 20.0000 | ND | | | 8.0000 | *** |
| Zinc, total | ug/L | MW-93 | 10/23/2019 | yes | 34.2000 | | | | | |
| Zinc, total | ug/L | MW-93 | 04/10/2020 | yes | 20.0000 | ND | | | 8.0000 | *** |
| Zinc, total | ug/L | MW-93 | 10/19/2020 | yes | 20.0000 | ND | | | 8.0000 | *** |
| Zinc, total | ug/L | MW-93 | 04/05/2021 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/08/2021 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 04/06/2022 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/25/2022 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 04/11/2023 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 10/13/2023 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-93 | 04/16/2024 | | 21.4000 | | | | | |
| Zinc, total | ug/L | MW-93 | 10/15/2024 | | 20.0000 | ND | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Antimony, total (ug/L) at MW-93 Nonparametric Prediction Limit

| 1 | PL = median(X) = 2.0 | Compute nonparametric prediction limit as median reporting limit in background. |
|---|--------------------------------|---|
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

Description

Equation

Step

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Arsenic, total (ug/L) at MW-93 Normal Control Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|--|--|
| 1 | $\overline{X} = sum[X] / N$ | Compute background mean. |
| | = 175.3 / 13 | |
| | = 13.485 | |
| 2 | $S = ((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ | Compute background sd. |
| | = ((5846.83 - 30730.09/13) / (13-1)) ¹ / ₂ | |
| | = 17.037 | |
| 3 | $SCL = \overline{X} + F * S$ | Compute combined Shewhart-CUSUM normal control limit. |
| | = 13.485 + 4.0 * 17.037 | |
| | = 81.631 | |
| 4 | N' = N * (N -1) / 2 | Number of sample pairs during trend detection period. |
| | = 13 * (13-1) / 2 | |
| | = 78 | |
| 5 | S = 0.549 | Sen's estimator of trend. |
| 6 | var(S) = 268.667 | Variance estimate for slope. |
| 7 | $M_1(S) = (N' - Z_{.99} * var(S)^{1/2}) / 2$ | Ordinal position for one-sided lower confidence limit for slope. The LCL is the M ₁ th largest |
| | = (78 - 2.326 * 268.667 ¹ / ₂) / 2 | slope estimate. When M ₁ is not an integer, |
| | = 19.937 | interpolation is used. |
| 8 | LCL(S) = -0.619 | One-sided lower confidence limit for slope. |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Barium, total (ug/L) at MW-93 Normal Control Limit

| <u>Step</u> | <u>Equation</u> | Description |
|-------------|---|---|
| 1 | $\overline{X} = sum[X] / N$ | Compute background mean. |
| | = 3197.0 / 13 | |
| | = 245.923 | |
| 2 | S = $((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ | Compute background sd. |
| | = $((845025.0 - 1.02 \times 10^{7}/13) / (13-1))^{1/2}$ | |
| | = 70.005 | |
| 3 | $SCL = \overline{X} + F * S$ | Compute combined Shewhart-CUSUM normal control limit. |
| | = 245.923 + 4.0 * 70.005 | |
| | = 525.944 | |
| 4 | N' = N * (N-1) / 2 | Number of sample pairs during trend detection period. |
| | = 13 * (13 -1) / 2 | |
| | = 78 | |
| 5 | S = -11.322 | Sen's estimator of trend. |
| 6 | var(S) = 268.667 | Variance estimate for slope. |
| 7 | $M_1(S) = (N' - Z_{.99} * var(S)^{1/2}) / 2$ | Ordinal position for one-sided lower confidence limit for |
| | = (78 - 2.326 * 268.667 ^{1/2}) / 2 | slope. The LCL is the M ₁ th largest slope estimate. When M ₁ is not an integer, |
| | = 19.937 | interpolation is used. |
| 8 | LCL(S) = -32.756 | One-sided lower confidence limit for slope. |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Beryllium, total (ug/L) at MW-93 Nonparametric Prediction Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|--------------------|---|
| 1 | PL = median(X) | Compute nonparametric prediction limit as median reporting limit in background. |
| | = 4.0 | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Cadmium, total (ug/L) at MW-93 Nonparametric Prediction Limit

| <u>Step</u> | Equation | <u>Description</u> |
|-------------|--------------------------------|--|
| 1 | PL = median(X) = 0.8 | Compute nonparametric prediction limit as median reporting limit in background. |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |
| | | Worksheet 2 - Intra-Well Control Charts / Prediction Limits Chromium, total (ug/L) at MW-93 Nonparametric Prediction Limit |
| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
| 1 | PL = median(X) = 8.0 | Compute nonparametric prediction limit as median reporting limit in background. |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Cobalt, total (ug/L) at MW-93 Normal Control Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|---|--|
| 1 | $\overline{X} = sum[X] / N$ | Compute background mean. |
| | = 118.5 / 13 | |
| | = 9.115 | |
| 2 | S = $((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ | Compute background sd. |
| | = ((1272.05 - 14042.25/13) / (13-1)) ^{1/2} | |
| | = 3.999 | |
| 3 | SCL = X + F * S | Compute combined Shewhart-CUSUM normal control limit. |
| | = 9.115 + 4.0 * 3.999 | |
| | = 25.11 | |
| 4 | N' = N * (N -1) / 2 | Number of sample pairs during trend detection period. |
| | = 13 * (13 -1) / 2 | |
| | = 78 | |
| 5 | S = -0.031 | Sen's estimator of trend. |
| 6 | var(S) = 268.667 | Variance estimate for slope. |
| 7 | $M_1(S) = (N' - Z_{.99}^{*} * var(S)^{1/2}) / 2$ | Ordinal position for one-sided lower confidence limit for |
| | = (78 - 2.326 * 268.667 ^{1/2}) / 2 | slope. The LCL is the M ₁ th largest slope estimate. When M ₁ is not an integer, |
| | = 19.937 | interpolation is used. |
| 8 | LCL(S) = -1.428 | One-sided lower confidence limit for slope. |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Copper, total (ug/L) at MW-93 Nonparametric Prediction Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|--------------------|---|
| 1 | PL = median(X) | Compute nonparametric prediction limit as median reporting limit in background. |
| | = 4.0 | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Lead, total (ug/L) at MW-93 Nonparametric Prediction Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|--------------------|---|
| 1 | PL = median(X) | Compute nonparametric prediction limit as median reporting limit in background. |
| | = 4.0 | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Nickel, total (ug/L) at MW-93 Normal Control Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|---|--|
| 1 | $\overline{X} = sum[X] / N$ | Compute background mean. |
| | = 385.1 / 13 | |
| | = 29.623 | |
| 2 | S = $((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ | Compute background sd. |
| | = ((11889.57 - 148302.01/13) / (13-1)) ^{1/2} | |
| | = 6.336 | |
| 3 | $SCL = \overline{X} + F * S$ | Compute combined Shewhart-CUSUM normal control limit. |
| | = 29.623 + 4.0 * 6.336 | |
| | = 54.967 | |
| 4 | N' = N * (N-1) / 2 | Number of sample pairs during trend detection period. |
| | = 13 * (13-1) / 2 | |
| | = 78 | |
| 5 | S = -2.225 | Sen's estimator of trend. |
| 6 | var(S) = 268.667 | Variance estimate for slope. |
| 7 | $M_1(S) = (N' - Z_{.99}^* \text{ var(S)}^{1/2}) / 2$ | Ordinal position for one-sided lower confidence limit for slope. The LCL is the M ₁ th largest |
| | = (78 - 2.326 * 268.667 ^{1/2}) / 2 | slope estimate. When M ₁ is not an integer, |
| | = 19.937 | interpolation is used. |
| 8 | LCL(S) = -4.064 | One-sided lower confidence limit for slope. |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Selenium, total (ug/L) at MW-93 Nonparametric Prediction Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> | | | | | | |
|-------------|--|--|--|--|--|--|--|--|
| 1 | PL = median(X) = 4.0 | Compute nonparametric prediction limit as median reporting limit in background. | | | | | | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). | | | | | | |
| | | Worksheet 2 - Intra-Well Control Charts / Prediction Limits Silver, total (ug/L) at MW-93 Nonparametric Prediction Limit | | | | | | |
| <u>Step</u> | Equation | <u>Description</u> | | | | | | |
| 1 | PL = median(X) = 4.0 | Compute nonparametric prediction limit as median reporting limit in background. | | | | | | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). | | | | | | |
| | | Worksheet 2 - Intra-Well Control Charts / Prediction Limits Thallium, total (ug/L) at MW-93 Nonparametric Prediction Limit | | | | | | |
| <u>Step</u> | <u>Equation</u> | <u>Description</u> | | | | | | |
| 1 | PL = median(X) = 4.0 | Compute nonparametric prediction limit as median reporting limit in background. | | | | | | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). | | | | | | |
| | Worksheet 2 - Intra-Well Control Charts / Prediction Limits Vanadium, total (ug/L) at MW-93 Nonparametric Prediction Limit | | | | | | | |
| <u>Step</u> | Equation | <u>Description</u> | | | | | | |
| 1 | PL = median(X) = 20.0 | Compute nonparametric prediction limit as median reporting limit in background. | | | | | | |
| 2 | Conf = 0.99 | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). | | | | | | |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Zinc, total (ug/L) at MW-93 Nonparametric Prediction Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|--------------------|---|
| 1 | PL = max(X) | Compute nonparametric prediction limit as largest background measurement. |
| | = 34.2 | |
| 2 | Conf = 0.99 | Confidence level is based on N. K and resampling strategy (see Gibbons 1994). |

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-96R | 7 | 1 | 8 | | | | | | | | nonpar * | | ** |
| Arsenic, total | ug/L | MW-96R | 10 | 1 | 11 | 16.6500 | 12.2649 | 4.0000 | 6.6000 | | 16.6500 | 71.8419 | normal | | |
| Barium, total | ug/L | MW-96R | 8 | 1 | 9 | 560.0000 | 327.5698 | 124.0000 | 338.0000 | | 560.0000 | 2034.0643 | normal | | |
| Beryllium, total | ug/L | MW-96R | 7 | 1 | 8 | | | | | | | | nonpar * | | ** |
| Cadmium, total | ug/L | MW-96R | 7 | 1 | 8 | | | | | | | | nonpar * | | ** |
| Chromium, total | ug/L | MW-96R | 7 | 1 | 8 | | | | | | | | nonpar * | | ** |
| Cobalt, total | ug/L | MW-96R | 8 | 1 | 11 | 11.3250 | 2.5783 | 1.8000 | 10.5000 | | 11.3250 | 22.9275 | normal | | |
| Copper, total | ug/L | MW-96R | 7 | 1 | 8 | | | | | | | | nonpar * | | ** |
| Lead, total | ug/L | MW-96R | 7 | 1 | 8 | | | | | | | | nonpar * | | ** |
| Nickel, total | ug/L | MW-96R | 7 | 1 | 8 | 5.9286 | 1.4896 | 5.3000 | 4.6000 | | 5.9286 | 12.6320 | normal | | |
| Selenium, total | ug/L | MW-96R | 8 | 1 | 9 | 5.5375 | 2.1745 | 7.4000 | 4.0000 | | 5.5375 | 15.3227 | normal | | |
| Silver, total | ug/L | MW-96R | 7 | 1 | 8 | | | | | | | | nonpar * | | ** |
| Thallium, total | ug/L | MW-96R | 7 | 1 | 8 | | | | | | | | nonpar * | | ** |
| Vanadium, total | ug/L | MW-96R | 7 | 1 | 8 | | | | | | | | nonpar * | | ** |
| Zinc, total | ug/L | MW-96R | 7 | 1 | 8 | | | | | | | | nonpar * | | ** |

 $N(\text{back}) \text{ and } N(\text{mon}) = \text{Non-outlier measurements in the background and monitoring periods.} \\ N(\text{tot}) = \text{All independent measurements for that constituent and well.}$

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

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

^{* -} Insufficient Data.

^{** -} Detection Frequency < 25%.

^{*** -} Zero Variance.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|------------------|-------|--------|------------|------------|-----------|----|---------|----------|----------|----------|
| Antimony, total | ug/L | MW-96R | 04/05/2021 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 10/08/2021 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 04/06/2022 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 10/25/2022 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 04/11/2023 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 10/13/2023 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 04/16/2024 | yes | 2.0000 | ND | | | | |
| Antimony, total | ug/L | MW-96R | 10/15/2024 | | 2.0000 | ND | | | | |
| Arsenic, total | ug/L | MW-96R | 04/05/2021 | yes | 29.8000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 07/02/2021 | yes | 29.1000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 10/08/2021 | yes | 18.6000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 04/06/2022 | yes | 10.4000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 10/25/2022 | yes | 38.7000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 04/11/2023 | yes | 4.0000 | ND | | | | |
| Arsenic, total | ug/L | MW-96R | 07/07/2023 | yes | 12.9000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 07/20/2023 | yes | 4.0000 | ND | | | | |
| Arsenic, total | ug/L | MW-96R | 10/13/2023 | yes | 15.0000 | | | | | |
| Arsenic, total | ug/L | MW-96R | 04/16/2024 | yes | 4.0000 | ND | | | | |
| Arsenic, total | ug/L | MW-96R | 10/15/2024 | - | 6.6000 | | | 16.6500 | | |
| Barium, total | ug/L | MW-96R | 04/05/2021 | yes | 1160.0000 | | | | | |
| Barium, total | ug/L | MW-96R | 07/02/2021 | yes | 696.0000 | | | | | |
| Barium, total | ug/L | MW-96R | 10/08/2021 | yes | 667.0000 | | | | | |
| Barium, total | ug/L | MW-96R | 04/06/2022 | yes | 406.0000 | | | | | |
| Barium, total | ug/L | MW-96R | 10/25/2022 | yes | 661.0000 | | | | | |
| Barium, total | ug/L | MW-96R | 04/11/2023 | yes | 190.0000 | | | | | |
| Barium, total | ug/L | MW-96R | 10/13/2023 | yes | 576.0000 | | | | | |
| Barium, total | ug/L | MW-96R | 04/16/2024 | yes | 124.0000 | | | | | |
| Barium, total | ug/L | MW-96R | 10/15/2024 | | 338.0000 | | | 560.0000 | | |
| Beryllium, total | ug/L | MW-96R | 04/05/2021 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-96R | 10/08/2021 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-96R | 04/06/2022 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-96R | 10/25/2022 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-96R | 04/11/2023 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-96R | 10/13/2023 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-96R | 04/16/2024 | yes | 4.0000 | ND | | | | |
| Beryllium, total | ug/L | MW-96R | 10/15/2024 | | 4.0000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 04/05/2021 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 10/08/2021 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 04/06/2022 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 10/25/2022 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 04/11/2023 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 10/13/2023 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 04/16/2024 | yes | 0.8000 | ND | | | | |
| Cadmium, total | ug/L | MW-96R | 10/15/2024 | | 0.8000 | ND | | | | <u> </u> |
| Chromium, total | ug/L | MW-96R | 04/05/2021 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 10/08/2021 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 04/06/2022 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 10/25/2022 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 04/11/2023 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 10/13/2023 | yes | 8.0000 | ND | | | | L |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
|-----------------|-------|--------|------------|------------|---------|----|---------|---------|----------|---|
| Chromium, total | ug/L | MW-96R | 04/16/2024 | yes | 8.0000 | ND | | | | |
| Chromium, total | ug/L | MW-96R | 10/15/2024 | - | 8.0000 | ND | | | | |
| Cobalt, total | ug/L | MW-96R | 04/05/2021 | yes | 16.8000 | | | | | |
| Cobalt, total | ug/L | MW-96R | 07/02/2021 | yes | 11.9000 | | | | | |
| Cobalt, total | ug/L | MW-96R | 10/08/2021 | yes | 11.4000 | | | | | |
| Cobalt, total | ug/L | MW-96R | 04/06/2022 | yes | 7.6000 | | | | | |
| Cobalt, total | ug/L | MW-96R | 10/25/2022 | yes | 11.1000 | | | | | |
| Cobalt, total | ug/L | MW-96R | 04/11/2023 | yes | 2.2000 | | yes | | | * |
| Cobalt, total | ug/L | MW-96R | 07/07/2023 | yes | 11.2000 | | - | | | |
| Cobalt, total | ug/L | MW-96R | 07/20/2023 | yes | 10.0000 | | | | | |
| Cobalt, total | ug/L | MW-96R | 10/13/2023 | yes | 10.6000 | | | | | |
| Cobalt, total | ug/L | MW-96R | 04/16/2024 | yes | 1.8000 | | yes | | | * |
| Cobalt, total | ug/L | MW-96R | 10/15/2024 | | 10.5000 | | | 11.3250 | | |
| Copper, total | ug/L | MW-96R | 04/05/2021 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 10/08/2021 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 04/06/2022 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 10/25/2022 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 04/11/2023 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 10/13/2023 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 04/16/2024 | yes | 4.0000 | ND | | | | |
| Copper, total | ug/L | MW-96R | 10/15/2024 | - | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 04/05/2021 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 10/08/2021 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 04/06/2022 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 10/25/2022 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 04/11/2023 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 10/13/2023 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 04/16/2024 | yes | 4.0000 | ND | | | | |
| Lead, total | ug/L | MW-96R | 10/15/2024 | • | 4.0000 | ND | | | | |
| Nickel, total | ug/L | MW-96R | 04/05/2021 | yes | 8.8000 | | | | | |
| Nickel, total | ug/L | MW-96R | 10/08/2021 | yes | 5.9000 | | | | | |
| Nickel, total | ug/L | MW-96R | 04/06/2022 | yes | 6.8000 | | | | | |
| Nickel, total | ug/L | MW-96R | 10/25/2022 | yes | 4.5000 | | | | | |
| Nickel, total | ug/L | MW-96R | 04/11/2023 | yes | 5.6000 | | | | | |
| Nickel, total | ug/L | MW-96R | 10/13/2023 | ves | 4.6000 | | | | | |
| Nickel, total | ug/L | MW-96R | 04/16/2024 | yes | 5.3000 | | | | | |
| Nickel, total | ug/L | MW-96R | 10/15/2024 | • | 4.6000 | | | 5.9286 | | |
| Selenium, total | ug/L | MW-96R | 04/05/2021 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-96R | 10/08/2021 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-96R | 04/06/2022 | yes | 9.1000 | | | | | |
| Selenium, total | ug/L | MW-96R | 10/25/2022 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-96R | 04/11/2023 | yes | 7.8000 | | | | | |
| Selenium, total | ug/L | MW-96R | 07/07/2023 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-96R | 10/13/2023 | yes | 4.0000 | ND | | | | |
| Selenium, total | ug/L | MW-96R | 04/16/2024 | yes | 7.4000 | | | | | |
| Selenium, total | ug/L | MW-96R | 10/15/2024 | , | 4.0000 | ND | | 5.5375 | | |
| Silver, total | ug/L | MW-96R | 04/05/2021 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-96R | 10/08/2021 | ves | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-96R | 04/06/2022 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-96R | 10/25/2022 | ves | 4.0000 | ND | | | | |
| | 3. = | | | , , | | | | | | |

^{* -} Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2 **Analytical Data and CUSUM Summary**

| | | I | | | | | | | 1 | T |
|-----------------|-------|--------|------------|------------|---------|----|---------|-------|----------|---|
| Constituent | Units | Well | Date | Background | Result | | Outlier | CUSUM | Adjusted | |
| Silver, total | ug/L | MW-96R | 04/11/2023 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-96R | 10/13/2023 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-96R | 04/16/2024 | yes | 4.0000 | ND | | | | |
| Silver, total | ug/L | MW-96R | 10/15/2024 | - | 4.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 04/05/2021 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 10/08/2021 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 04/06/2022 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 10/25/2022 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 04/11/2023 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 10/13/2023 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 04/16/2024 | yes | 2.0000 | ND | | | | |
| Thallium, total | ug/L | MW-96R | 10/15/2024 | | 2.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 04/05/2021 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 10/08/2021 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 04/06/2022 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 10/25/2022 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 04/11/2023 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 10/13/2023 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 04/16/2024 | yes | 20.0000 | ND | | | | |
| Vanadium, total | ug/L | MW-96R | 10/15/2024 | | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 04/05/2021 | yes | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 10/08/2021 | yes | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 04/06/2022 | yes | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 10/25/2022 | yes | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 04/11/2023 | yes | 20.0000 | ND | | | 1 | |
| Zinc, total | ug/L | MW-96R | 10/13/2023 | yes | 20.0000 | ND | | | 1 | |
| Zinc, total | ug/L | MW-96R | 04/16/2024 | yes | 20.0000 | ND | | | | |
| Zinc, total | ug/L | MW-96R | 10/15/2024 | - | 20.0000 | ND | | | | |

^{* -} Outlier for that well and constituent.

^{*** -} Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 4

Dixon's Test Outliers 1% Significance Level

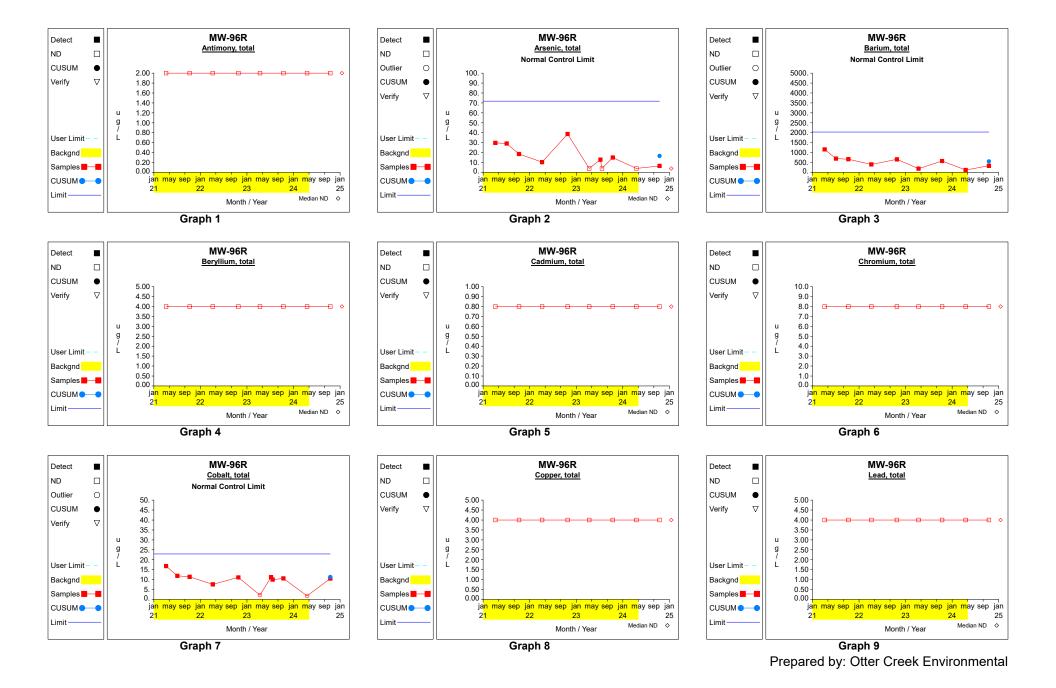
| Constituent | Units | Well | Date | Result | ND Qualifier | Date Range | N | Critical Value |
|---------------|-------|--------|------------|--------|--------------|-----------------------|----|----------------|
| Cobalt, total | ug/L | MW-96R | 04/11/2023 | 2.2000 | | 04/05/2021-04/16/2024 | 10 | 0.6346 |
| Cobalt, total | ug/L | MW-96R | 04/16/2024 | 1.8000 | | 04/05/2021-04/16/2024 | 10 | 0.6346 |

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

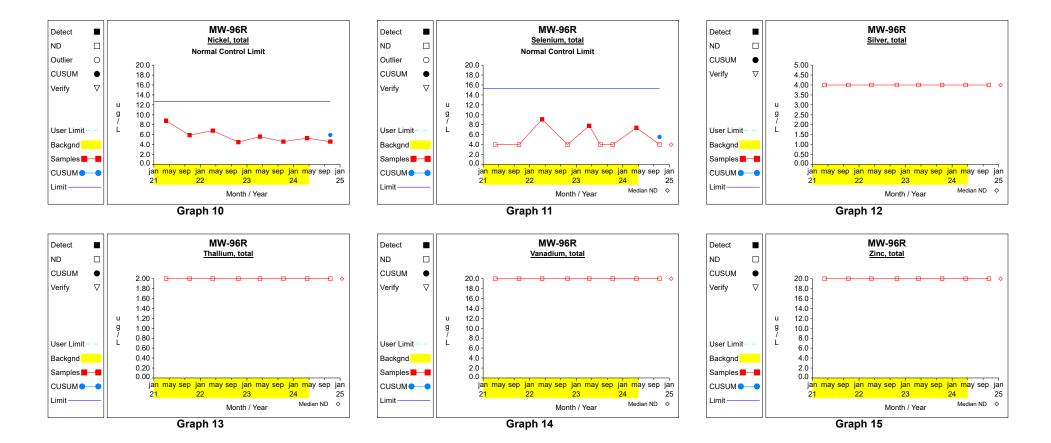
Date Range = Dates of the first and last measurements included in background at each well.

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



Intra-Well Control Charts / Prediction Limits



<u>Worksheet 2 - Intra-Well Control Charts / Prediction Limits</u> <u>Antimony, total (ug/L) at MW-96R</u>

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Arsenic, total (ug/L) at MW-96R Normal Control Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|--|--|
| 1 | $\overline{X} = sum[X] / N$ | Compute background mean. |
| | = 166.5 / 10 | |
| | = 16.65 | |
| 2 | S = $((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ | Compute background sd. |
| | = ((4126.07 - 27722.25/10) / (10-1)) ^{1/2} | |
| | = 12.265 | |
| 3 | $SCL = \overline{X} + F * S$ | Compute combined Shewhart-CUSUM normal control limit. |
| | = 16.65 + 4.5 * 12.265 | |
| | = 71.842 | |
| 4 | N' = N * (N -1) / 2 | Number of sample pairs during trend detection period. |
| | = 10 * (10-1) / 2 | |
| | = 45 | |
| 5 | S = -7.495 | Sen's estimator of trend. |
| 6 | var(S) = 121.333 | Variance estimate for slope. |
| 7 | $M_1(S) = (N' - Z_{.99}^* var(S)^{1/2}) / 2$ | Ordinal position for one-sided lower confidence limit for slope. The LCL is the M ₁ th largest |
| | = (45 - 2.326 * 121.333 ¹ / ₂) / 2 | slope estimate. When M ₁ is not an integer, |
| | = 9.689 | interpolation is used. |
| 8 | LCL(S) = -21.731 | One-sided lower confidence limit for slope. |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Barium, total (ug/L) at MW-96R Normal Control Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|---|---|
| 1 | $\overline{X} = sum[X] / N$ | Compute background mean. |
| | = 4480.0 / 8 | |
| | = 560.0 | |
| 2 | S = $((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ | Compute background sd. |
| | = $((3.26 \times 10^6 - 2.01 \times 10^7 / 8) / (8-1))^{1/2}$ | |
| | = 327.57 | |
| 3 | $SCL = \overline{X} + F * S$ | Compute combined Shewhart-CUSUM normal control limit. |
| | = 560.0 + 4.5 * 327.57 | |
| | = 2034.064 | |
| 4 | N' = N * (N -1) / 2 | Number of sample pairs during trend detection period. |
| | = 8 * (8-1) / 2 | |
| | = 28 | |
| 5 | S = -223.354 | Sen's estimator of trend. |
| 6 | var(S) = 65.333 | Variance estimate for slope. |
| 7 | $M_1(S) = (N' - Z_{.99}^* \text{ var(S)}^{1/2}) / 2$ | Ordinal position for one-sided lower confidence limit for |
| | = (28 - 2.326 * 65.333 ¹ / ₂) / 2 | slope. The LCL is the M ₁ th largest slope estimate. When M ₁ is not an integer, |
| | = 4.6 | interpolation is used. |
| 8 | LCL(S) = -806.57 | One-sided lower confidence limit for slope. |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Beryllium, total (ug/L) at MW-96R

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits <u>Cadmium, total (ug/L) at MW-96R</u>

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Chromium, total (ug/L) at MW-96R

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Cobalt, total (ug/L) at MW-96R Normal Control Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|---|--|
| 1 | X = sum[X] / N = 90.6 / 8 = 11.325 | Compute background mean. |
| 2 | S = $((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ = $((1072.58 - 8208.36/8) / (8-1))^{1/2}$ = 2.578 | Compute background sd. |
| 3 | $SCL = \overline{X} + F * S$ = 11.325 + 4.5 * 2.578 = 22.928 | Compute combined Shewhart-CUSUM normal control limit. |
| 4 | N' = N * (N-1) / 2 = 8 * (8-1) / 2 = 28 | Number of sample pairs during trend detection period. |
| 5 | S = -0.857 | Sen's estimator of trend. |
| 6 | var(S) = 65.333 | Variance estimate for slope. |
| 7 | $M_1(S) = (N' - Z_{.99}^* var(S)^{1/2}) / 2$ = $(28 - 2.326 * 65.333^{1/2}) / 2$ = 4.6 | Ordinal position for one-sided lower confidence limit for slope. The LCL is the $\mathrm{M_1}^{\mathrm{th}}$ largest slope estimate. When $\mathrm{M_1}$ is not an integer, interpolation is used. |
| 8 | LCL(S) = -8.294 | One-sided lower confidence limit for slope. |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Copper, total (ug/L) at MW-96R

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Lead, total (ug/L) at MW-96R

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Nickel, total (ug/L) at MW-96R Normal Control Limit

| Step | <u>Equation</u> | <u>Description</u> |
|------|--|--|
| 1 | $\overline{X} = sum[X] / N$ | Compute background mean. |
| | = 41.5 / 7 | |
| | = 5.929 | |
| 2 | S = $((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ | Compute background sd. |
| | = ((259.35 - 1722.25/7) / (7-1)) ^{1/2} | |
| | = 1.49 | |
| 3 | SCL = X + F * S | Compute combined Shewhart-CUSUM normal control limit. |
| | = 5.929 + 4.5 * 1.49 | |
| | = 12.632 | |
| 4 | N' = N * (N -1) / 2 | Number of sample pairs during trend detection period. |
| | = 7 * (7-1) / 2 | |
| | = 21 | |
| 5 | S = -1.154 | Sen's estimator of trend. |
| 6 | var(S) = 44.333 | Variance estimate for slope. |
| 7 | $M_1(S) = (N' - Z_{.99} * var(S)^{1/2}) / 2$ | Ordinal position for one-sided lower confidence limit for slope. The LCL is the M ₁ th largest |
| | = (21 - 2.326 * 44.333 ^{1/2}) / 2 | slope estimate. When M₁ is not an integer, |
| | = 2.756 | interpolation is used. |
| 8 | LCL(S) = -3.103 | One-sided lower confidence limit for slope. |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Selenium, total (ug/L) at MW-96R Normal Control Limit

| <u>Step</u> | <u>Equation</u> | <u>Description</u> |
|-------------|---|--|
| 1 | $\overline{X} = sum[X] / N$ | Compute background mean. |
| | = 44.3 / 8 | |
| | = 5.538 | |
| 2 | $S = ((sum[X^2] - sum[X]^2/N) / (N-1))^{1/2}$ | Compute background sd. |
| | = ((278.41 - 1962.49/8) / (8-1)) ^{1/2} | |
| | = 2.174 | |
| 3 | $SCL = \overline{X} + F * S$ | Compute combined Shewhart-CUSUM normal control limit. |
| | = 5.538 + 4.5 * 2.174 | |
| | = 15.323 | |
| 4 | N' = N * (N -1) / 2 | Number of sample pairs during trend detection period. |
| | = 8 * (8 -1) / 2 | |
| | = 28 | |
| 5 | S = 0.0 | Sen's estimator of trend. |
| 6 | var(S) = 48.667 | Variance estimate for slope. |
| 7 | $M_1(S) = (N' - Z_{.99}^* var(S)^{1/2}) / 2$ | Ordinal position for one-sided lower confidence limit for slope. The LCL is the M ₁ th largest |
| | = (28 - 2.326 * 48.667 ^{1/2}) / 2 | slope estimate. When M ₁ is not an integer, |
| | = 5.887 | interpolation is used. |
| 8 | LCL(S) = -1.517 | One-sided lower confidence limit for slope. |

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Silver, total (ug/L) at MW-96R

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Thallium, total (ug/L) at MW-96R

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Vanadium, total (ug/L) at MW-96R

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits Zinc, total (ug/L) at MW-96R

Attachment F

Summary Table of Historical VOC Detections

marshall2024s2 November 2024

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 GU-2 | 4/04/2011 | | 6.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | | 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 Benzene | GU-3 GU-3 | 8/11/2011 | | 2.8 3.5 | 1.0 | ug/L |
| | | 8/11/2011 | | 7.4 | 1.0 | ug/L |
| Chloroethane | GU-3 GU-3 | 8/11/2011 | | | 1.0 | ug/L |
| Cis-1,2-dichloroethylene Vinvl chloride | GU-3 | 8/11/2011 8/11/2011 | | 3.6 4.6 | 1.0 1.0 | ug/L |
| | LW-75 | 4/11/2023 | | 3.8 | 1.0 | ug/L |
| 1,1-dichloroethane 1,1-dichloroethane | LW-75 | 4/11/2023 | | 7.6 | 1.0 | ug/L |
| 1,2-dichloroethane | LW-75 | 4/16/2024 | | 1.9 | 1.0 | ug/L |
| | | | | | | ug/L |
| 1,4-dichlorobenzene | LW-75 | 1/15/2019 | | 18.2 11.2 | 5.0 | ug/L |
| 1,4-dichlorobenzene | LW-75 | 1/07/2020 | | | 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| Styrene | LW-75 | 4/11/2023 | | 1.6 | | ug/L |
| Styrene | LW-75 | 4/16/2024 | | 2.5 | 1.0 | |
| 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 |
| Trichloroethylene | LW-75 | 4/16/2024 | | 1.7 | 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 |
| Xylenes, total | LW-75 | 1/15/2019 | | 86.0 | 10.0 | |
| 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 | |
| Xylenes, total | LW-75 | 4/16/2024 | | 231.0 | | 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 | |
| 1,1-dichloroethane | MW-205 | 10/09/2017 | | 7.7 | 1.0 | |
| | MW-205 | 4/17/2018 | | 7.8 | 1.0 | ug/L |
| 1,1-dichloroethane | | | | | | |
| 1,1-dichloroethane | MW-205 | 10/22/2018 | | 3.3 | | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|----------------------------------|--------|------------|------------|--------|-------|--------------|
| 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 | • |
| 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 | |
| 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 | | ug/L |
| Cis-1,2-dichloroethylene | MW-205 | 10/23/2020 | | 2.3 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-205 | 4/05/2021 | | 1.3 | 1.0 | |
| Ethylbenzene | MW-205 | 10/09/2017 | | 1.1 | | ug/L |
| Ethylbenzene | MW-205 | 10/22/2018 | | 14.0 | | ug/L |
| Ethylbenzene | MW-205 | 4/22/2019 | | 4.8 | | ug/L |
| Toluene | MW-205 | 10/14/2016 | | 1.0 | 1.0 | |
| Toluene | MW-205 | 4/10/2017 | | 1.0 | | ug/L ug/L |
| Toluene | MW-205 | 4/22/2019 | | 1.9 | | ug/L ug/L |
| Trans-1,2-dichloroethylene | MW-205 | 4/17/2018 | | 1.9 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-205 | 4/02/2008 | | 4.1 | | ug/L ug/L |
| Trichloroethylene | MW-205 | 10/03/2008 | | 8.0 | | ug/L ug/L |
| Trichloroethylene | MW-205 | 4/01/2009 | | 2.3 | 1.0 | |
| Trichloroethylene | MW-205 | 10/08/2012 | | 5.2 | | ug/L ug/L |
| Trichloroethylene | MW-205 | | | 5.6 | | |
| | | 10/16/2013 | | | | ug/L |
| Trichloroethylene | MW-205 | 4/09/2014 | | 6.1 | | ug/L |
| Trichloroethylene | MW-205 | 10/17/2014 | | 19.3 | | ug/L |
| Trichloroethylene | MW-205 | 4/06/2015 | | 8.8 | | ug/L |
| Trichloroethylene | MW-205 | 4/14/2016 | | 1.2 | | ug/L |
| Trichloroethylene | MW-205 | 10/14/2016 | | 1.2 | 1.0 | |
| Trichloroethylene | MW-205 | 4/17/2018 | | 1.7 | | ug/L |
| Vinyl chloride | MW-205 | 10/14/2016 | | 1.8 | | ug/L |
| Vinyl chloride | MW-205 | 4/10/2017 | | 1.9 | 1.0 | |
| | MW-205 | 10/09/2017 | | 1.2 | 1 0 | ug/L |
| Vinyl chloride Vinyl chloride | MW-205 | 4/17/2018 | | 1.0 | | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|--------|------------|------------|--------|-------|--------------|
| 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 | |
| 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 |
| Benzene | MW-213 | 10/25/2022 | | 1.1 | 1.0 | |
| Benzene | MW-213 | 4/10/2023 | | 1.0 | 1.0 | ug/L |
| Benzene | MW-213 | 10/13/2023 | | 1.4 | 1.0 | ug/L |
| Chloroethane | MW-213 | 10/23/2020 | | 1.5 | 1.0 | |
| 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 | |
| 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 |
| Vinyl chloride | MW-213 | 10/23/2020 | | 1.4 | 1.0 | |
| 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 |
| 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 | |
| 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 | | ug/L |
| Cis-1,2-dichloroethylene | MW-214 | 10/23/2020 | | 6.5 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-214 | 4/05/2021 | | 3.3 | | ug/L |
| Tetrachloroethylene | MW-214 | 10/14/2016 | | 12.2 | | ug/L |
| Tetrachloroethylene | MW-214 | 4/10/2017 | | 9.9 | 1.0 | ug/L |
| Tetrachloroethylene | MW-214 | 10/09/2017 | | 8.8 | | ug/L |
| Tetrachloroethylene | MW-214 | 4/17/2018 | | 8.6 | 1.0 | |
| Tetrachloroethylene | MW-214 | 10/22/2018 | | 4.1 | | ug/L ug/L |
| Tetrachloroethylene | MW-214 | 4/22/2019 | | 8.5 | | ug/L ug/L |
| Tetrachloroethylene | MW-214 | 10/23/2020 | | 7.8 | 1.0 | |
| Tetrachloroethylene | MW-214 | 4/05/2021 | | 5.4 | | ug/L ug/L |
| Frichloroethylene | MW-214 | 4/02/2008 | | 5.2 | | ug/L ug/L |
| Trichloroethylene | MW-214 | 10/03/2008 | | 5.9 | 1.0 | |
| Trichloroethylene | MW-214 | 4/01/2009 | | 4.1 | | ug/L ug/L |
| Trichloroethylene | MW-214 | 10/08/2012 | | 3.6 | 1.0 | |
| | MW-214 | 10/16/2013 | | 2.9 | 1.0 | |
| Trichloroethylene | | | | | | |
| Trichloroethylene | MW-214 | 4/09/2014 | | 2.0 | | ug/L |
| Trichloroethylene | MW-214 | 10/17/2014 | | 2.0 | 1.0 | |
| Trichloroethylene | MW-214 | 4/06/2015 | | 1.8 | | ug/L |
| Trichloroethylene | MW-214 | 4/14/2016 | | 2.1 | 1.0 | |
| Trichloroethylene | MW-214 | 10/14/2016 | | 3.0 | | ug/L |
| Trichloroethylene | MW-214 | 4/10/2017 | | 2.4 | | ug/L |
| Trichloroethylene | MW-214 | 10/09/2017 | | 2.8 | 1.0 | |
| | MW-214 | 4/17/2018 | | 2.6 | 1.0 | ug/L |
| Trichloroethylene Trichloroethylene | MW-214 | 4/22/2019 | | 3.3 | | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|-----------------|-------------------------|------------|-------------|------------|--------------|
| Trichloroethylene | MW-214 | 10/23/2020 | | 5.8 | 1.0 | |
| Trichloroethylene 1,1,1-trichloroethane | MW-214 MW-49 | 4/05/2021 10/23/1992 | | 2.9 10.5 | 1.0 | ug/L |
| 1,1,1-trichloroethane | MW-49 | 1/21/1993 | | 17.7 | 1.0 | ug/L ug/L |
| 1,1,1-trichloroethane | MW-49 | 4/22/1993 | | 14.7 | 1.0 | ug/L 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 1.1.1-trichloroethane | MW-49 | 7/07/1995 | | 9.8 9.5 | 1.0 | ug/L |
| 1,1,1-trichloroethane | MW-49 MW-49 | 10/12/1995 1/10/1996 | | 9.5 8.1 | 1.0 1.0 | ug/L ug/L |
| 1,1,1-trichloroethane | MW-49 | 7/17/1996 | | 4.5 | 1.0 | ug/L 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 1,1-dichloroethane | MW-49 MW-49 | 4/20/2010 | | 3.0 3.0 | 1.0 1.0 | ug/L |
| 1,1-dichloroethane | MW-49 | 10/08/2010 4/05/2011 | | 2.3 | 1.0 | ug/L ug/L |
| 1,1-dichloroethane | MW-49 | 10/06/2011 | | 2.8 | 1.0 | ug/L ug/L |
| 1,1-dichloroethane | MW-49 | 4/10/2012 | | 2.1 | 1.0 | ug/L 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 | |
| 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 1,1-dichloroethane | MW-49 MW-49 | 10/09/2017 4/17/2018 | | 2.1 1.4 | 1.0 1.0 | ug/L |
| 1,1-dichloroethane | MW-49 | 10/22/2018 | | 1.4 | 1.0 | ug/L 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 | | 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 | | ug/L |
| 1,1-dichloroethane 1,1-dichloroethane | MW-49 MW-49 | 4/17/2024 | | 1.1 1.2 | 1.0 | ug/L ug/L |
| 1,1-dichloroethylene | MW-49 | 10/15/2024 1/25/1994 | | 3.9 | 1.0 | |
| 1,1-dichloroethylene | MW-49 | 7/07/1995 | | 1.2 | 1.0 | ug/L ug/L |
| 1,1-dichloroethylene | MW-49 | 10/18/2001 | | 9.1 | 1.0 | |
| 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 | |
| 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 | |
| 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 | |
| 1,2-dichloroethane | MW-49 | 10/10/2007 | | .6 | .5 | |
| 1,4-dichlorobenzene | MW-49 | 3/28/2008 | | 6.3 | 1.0 | |
| 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 1,4-dichlorobenzene | MW-49 MW-49 | 10/03/2008 | | 8.3 | 1.0 | 0 |
| 1,4-dichlorobenzene | MW-49 | 12/08/2008 4/02/2009 | | 7.8 8.8 | 1.0 1.0 | |
| 1,7-4101110100061126116 | | | | | | |
| 1,4-dichlorobenzene | MW-49 | 10/21/2009 | | 8.9 | 1 () | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---------------------|-------|------------|------------|--------|-------|-------|
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 |
| 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 | |
| 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 | |
| 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 | | ug/L |
| Benzene | MW-49 | 10/08/2000 | | 1.4 | 1.0 | • |
| Benzene | MW-49 | 1/18/2001 | | 1.7 | 1.0 | ug/L |
| Benzene | MW-49 | 4/27/2001 | | 1.7 | | ug/L |
| Benzene | MW-49 | 7/23/2001 | | 2.8 | | ug/L |
| Benzene | MW-49 | 10/18/2001 | | 1.7 | 1.0 | ug/L |
| Benzene | MW-49 | 1/25/2002 | | 1.6 | | ug/L |
| Benzene | MW-49 | 4/24/2002 | | 2.4 | | ug/L |
| Benzene | MW-49 | 7/22/2002 | | 2.4 | | ug/L |
| Benzene | MW-49 | 1/29/2003 | | 1.3 | 1.0 | |
| Benzene | MW-49 | 7/11/2003 | | 2.1 | | ug/L |
| Benzene | MW-49 | 10/06/2003 | | 2.0 | | ug/L |
| Benzene | MW-49 | 1/12/2004 | | 2.0 | 1.0 | |
| Benzene | MW-49 | 4/26/2004 | | 2.6 | | ug/L |
| Benzene | MW-49 | 4/11/2005 | | 2.4 | | ug/L |
| Benzene | MW-49 | 10/05/2005 | | 2.1 | 1.0 | |
| Benzene | MW-49 | 4/05/2006 | | 2.3 | 1.0 | ug/L |
| Benzene | MW-49 | 10/04/2006 | | 2.0 | | ug/L |
| Benzene | MW-49 | 4/12/2007 | | 2.3 | 1.0 | ug/L |
| Benzene | MW-49 | 10/10/2007 | | 2.0 | | ug/L |
| Benzene | MW-49 | 3/28/2008 | | 2.5 | | ug/L |
| Benzene | MW-49 | 6/27/2008 | | 2.6 | | ug/L |
| Benzene | MW-49 | 8/04/2008 | | 2.6 | | ug/L |
| Benzene | MW-49 | 12/08/2008 | | 2.2 | | ug/L |
| Benzene | MW-49 | 4/02/2009 | | 2.7 | | ug/L |
| Benzene | MW-49 | 10/21/2009 | | 2.6 | | ug/L |
| | | | | | | |
| Benzene | MW-49 | 4/20/2010 | | 2.0 | 1.0 | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|----------------|--------------------------|------------|--------------|------------|--------------|
| 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 | | ug/L |
| Benzene Benzene | MW-49 MW-49 | 4/06/2015 | | 2.3 1.9 | 1.0 1.0 | |
| Benzene | MW-49 | 10/01/2015 4/14/2016 | | 2.6 | | ug/L ug/L |
| Benzene | MW-49 | 10/13/2016 | | 3.5 | 1.0 | |
| Benzene | MW-49 | 4/10/2017 | | 3.0 | 1.0 | ug/L |
| Benzene | MW-49 | 10/09/2017 | | 1.2 | | 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 | | ug/L |
| Benzene | MW-49 | 10/23/2019 | | 3.5 | | ug/L |
| Benzene Benzene | MW-49 MW-49 | 4/10/2020 10/19/2020 | | 3.7 2.0 | 1.0 1.0 | ug/L ug/L |
| Benzene | MW-49 | 4/05/2021 | | 2.8 | | ug/L ug/L |
| Benzene | MW-49 | 10/08/2021 | | 1.9 | 1.0 | ug/L |
| Benzene | MW-49 | 4/06/2022 | | 2.4 | 1.0 | |
| Benzene | MW-49 | 10/25/2022 | | 2.4 | | ug/L |
| Benzene | MW-49 | 4/11/2023 | | 2.9 | 1.0 | ug/L |
| Benzene | MW-49 | 10/13/2023 | | 1.1 | 1.0 | |
| Benzene | MW-49 | 10/15/2024 | | 3.7 | | 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 Chlorobenzene | MW-49 MW-49 | 4/22/2019 4/10/2020 | | 1.1 1.1 | | ug/L ug/L |
| Chlorobenzene | MW-49 | 10/19/2020 | | 1.0 | 1.0 | |
| Chlorobenzene | MW-49 | 4/05/2021 | | 1.0 | 1.0 | |
| Chlorobenzene | MW-49 | 10/08/2021 | | 1.0 | | ug/L |
| Chlorobenzene | MW-49 | 10/25/2022 | | 1.1 | 1.0 | |
| Chlorobenzene | MW-49 | 10/13/2023 | | 1.0 | 1.0 | ug/L |
| Chlorobenzene | MW-49 | 10/15/2024 | | 1.1 | | 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 Chloroethane | MW-49 MW-49 | 8/04/2008 | | 16.5 18.1 | | ug/L |
| Chloroethane | MW-49 | 10/03/2008 12/08/2008 | | 18.1 | 1.0 1.0 | ug/L ug/L |
| Chloroethane | MW-49 | 4/02/2009 | | 18.1 | | ug/L |
| Chloroethane | MW-49 | 10/21/2009 | | 18.6 | | 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 | | ug/L |
| Chloroethane | MW-49 | 10/06/2011 | | 11.6 | 1.0 | ug/L |
| Chloroethane | MW-49 | 4/10/2012 | | 11.8 | 1.0 | |
| Chloroethane Chloroethane | MW-49 MW-49 | 10/09/2012 4/04/2013 | | 10.0 11.3 | 1.0 | ug/L ug/L |
| Chloroethane | MW-49 | 10/16/2013 | | 5.7 | 1.0 | |
| Chloroethane | MW-49 | 4/10/2014 | | 11.2 | | ug/L |
| Chloroethane | MW-49 | 10/16/2014 | | 12.9 | 1.0 | ug/L |
| Chloroethane | MW-49 | 4/06/2015 | | 8.9 | 1.0 | |
| Chloroethane | MW-49 | 10/01/2015 | | 8.7 | | ug/L |
| Chloroethane | MW-49 | 4/14/2016 | | 9.0 | | ug/L |
| Chloroethane | MW-49 | 10/13/2016 | | 11.9 | 1.0 | ug/L |
| Chloroethane Chloroethane | MW-49 MW-49 | 4/10/2017 10/09/2017 | | 10.1 8.7 | 1.0 | ug/L ug/L |
| Chloroethane | MW-49 | 4/17/2018 | | 5.5 | | ug/L ug/L |
| Chloroethane | MW-49 | 10/22/2018 | | 11.0 | | ug/L ug/L |
| Chloroethane | MW-49 | 4/22/2019 | | 8.2 | | ug/L |
| Chloroethane | MW-49 | 10/23/2019 | | 10.2 | | ug/L |
| Chloroethane | MW-49 | 4/10/2020 | | 9.4 | 1.0 | ug/L |
| Chloroethane | MW-49 | 10/19/2020 | | 9.8 | | ug/L |
| Chloroethane | MW-49 | 4/05/2021 | | 6.8 | | ug/L |
| Chloroethane | MW-49 | 10/08/2021 | | 7.3 | | ug/L |
| Chloroethane Chloroethane | MW-49 MW-49 | 4/06/2022 | | 5.6 7.4 | | ug/L |
| Chloroethane | MW-49 | 10/25/2022 4/11/2023 | | 6.6 | | ug/L ug/L |
| Chloroethane | MW-49 | 10/13/2023 | | 6.6 | | ug/L ug/L |
| Chloroethane | MW-49 | 4/17/2024 | | 4.6 | | ug/L ug/L |
| Chloroethane | MW-49 | 10/15/2024 | | 5.5 | | ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 3/28/2008 | | 42.6 | | 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 | | ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 10/03/2008 | | 45.3 | | ug/L |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-49 MW-49 | 12/08/2008 4/02/2009 | | 42.2 42.8 | | ug/L |
| Cis-1,2-dichioroethylene | 10100-49 | 4/02/2009 | | 42.6 | 1.0 | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|----------------|--------------------------|------------|--------------|------------|--------------|
| 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 Cis-1,2-dichloroethylene | MW-49 MW-49 | 4/04/2013 10/16/2013 | | 28.1 24.0 | 1.0 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 4/10/2014 | | 23.3 | 1.0 | ug/L 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 MW-49 | 4/10/2020 | | 1.1 6.2 | 1.0 1.0 | ug/L |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-49 | 10/19/2020 10/08/2021 | | 2.0 | 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-49 | 10/05/2021 | | 1.6 | 1.0 | ug/L 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 MW-49 | 7/08/1994 10/20/1994 | | 2.5 4.7 | 1.0 1.0 | ug/L |
| Trichloroethylene Trichloroethylene | MW-49 | 1/04/1995 | | 4.1 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-49 | 4/21/1995 | | 4.7 | 1.0 | ug/L 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 Trichloroethylene | MW-49 MW-49 | 1/27/1998 4/21/1998 | | 7.6 12.2 | 1.0 1.0 | ug/L ug/L |
| Trichloroethylene | MW-49 | 7/21/1998 | | 12.2 | 1.0 | ug/L 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 MW-49 | 7/05/2000 | | 12.0 | 1.0 | ug/L |
| Trichloroethylene Trichloroethylene | MW-49 | 9/11/2000 | | 6.4 4.0 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-49 | 1/18/2001 | | 1.2 | 1.0 | ug/L 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 Vinyl chloride | MW-49 MW-49 | 3/28/2008 | | 6.6 6.6 | 1.0 1.0 | ug/L ug/L |
| Vinyl chloride | MW-49 | 6/27/2008 8/04/2008 | | 7.2 | 1.0 | ug/L ug/L |
| Vinyl chloride | MW-49 | 10/03/2008 | | 6.0 | 1.0 | ug/L 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 |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|----------------|-------------------------|------------|------------|------------|--------------|
| 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 Vinyl chloride | MW-49 MW-49 | 4/14/2016 10/13/2016 | | 4.0 5.1 | 1.0 1.0 | ug/L |
| Vinyl chloride | MW-49 | 4/10/2017 | | 5.5 | 1.0 | ug/L ug/L |
| Vinyl chloride | MW-49 | 10/09/2017 | | 3.2 | 1.0 | ug/L 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 1,1-dichloroethane | MW-54 MW-54 | 4/05/2011 10/06/2011 | | 8.8 8.7 | 1.0 1.0 | ug/L |
| 1,1-dichloroethane | MW-54 | 4/10/2012 | | 14.6 | 1.0 | ug/L ug/L |
| 1,1-dichloroethane | MW-54 | 10/09/2012 | | 16.0 | 1.0 | ug/L 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 |
| 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 | | 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 1,4-dichlorobenzene | MW-54 MW-54 | 12/08/2008 4/02/2009 | | 1.3 2.2 | 1.0 1.0 | ug/L ug/L |
| 1,4-dichlorobenzene | MW-54 | 10/21/2009 | | 2.2 | 1.0 | ug/L ug/L |
| 1,4-dichlorobenzene | MW-54 | 4/20/2010 | | 1.6 | 1.0 | ug/L ug/L |
| 1,4-dichlorobenzene | MW-54 | 4/05/2011 | | 1.0 | 1.0 | ug/L ug/L |
| 1,4-dichlorobenzene | MW-54 | 10/06/2011 | | 1.0 | 1.0 | ug/L ug/L |
| 1,4-dichlorobenzene | MW-54 | 10/16/2013 | | 1.5 | 1.0 | ug/L ug/L |
| 1,4-dichlorobenzene | MW-54 | 4/10/2014 | | 1.7 | 1.0 | ug/L 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 |
| 1,4-410110100001120110 | | | | | | |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|----------------|--------------------------|------------|-------------|-------------|--------------|
| 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 | |
| 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 | |
| 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 1.4-dichlorobenzene | MW-54 | 4/17/2024 | | 2.3 | 1.0 | ug/L |
| Acetone | MW-54 MW-54 | 10/15/2024 10/09/2017 | | 2.9 18.1 | 1.0 10.0 | ug/L |
| Benzene | MW-54 | 7/26/1999 | | 2.1 | 1.0 | ug/L ug/L |
| Benzene | MW-54 | 10/04/1999 | | 1.4 | 1.0 | ug/L ug/L |
| Benzene | MW-54 | 1/06/2000 | | 1.4 | 1.0 | |
| Benzene | MW-54 | 4/13/2000 | | 1.3 | 1.0 | ug/L ug/L |
| Benzene | MW-54 | 7/05/2000 | | 1.7 | 1.0 | ug/L ug/L |
| Benzene | MW-54 | 9/11/2000 | | 1.8 | 1.0 | |
| Benzene | MW-54 | 4/27/2001 | | 2.1 | 1.0 | ug/L |
| Benzene | MW-54 | 7/23/2001 | | 1.7 | 1.0 | ug/L ug/L |
| Benzene | MW-54 | 10/05/2005 | | 1.0 | 1.0 | |
| Benzene | MW-54 | 4/05/2006 | | .6 | .5 | |
| Benzene | MW-54 | 10/16/2013 | | 1.0 | 1.0 | ug/L |
| Benzene | MW-54 | 10/16/2014 | | 1.0 | 1.0 | |
| Benzene | MW-54 | 10/13/2016 | | 1.0 | 1.0 | |
| 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 | |
| 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 | |
| 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 | | 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 | |
| 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 | |
| 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 | |
| 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 | | ug/L |
| Chloroethane | MW-54 | 10/13/2016 | | 13.7 | 1.0 | |
| Chloroethane | MW-54 | 4/10/2017 | | 10.5 | 1.0 | ug/L |
| Chloroethane | MW-54 | 10/09/2017 | | 11.4 | | ug/L |
| Chloroethane | MW-54 | 4/17/2018 | | 8.5 | | ug/L |
| Chloroethane | MW-54 | 10/22/2018 | | 2.0 | 1.0 | ug/L |
| Chloroethane | MW-54 | 4/22/2019 | | 4.0 | | ug/L |
| Chloroethane | MW-54 | 10/23/2019 | | 4.3 | 1.0 | ug/L |
| Chloroethane | MW-54 | 4/10/2020 | | 1.9 | 1.0 | |
| 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 | |
| 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 | | ug/L |
| Cis-1,2-dichloroethylene | MW-54 | 12/08/2008 | | 3.6 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-54 | 4/02/2009 | | 2.9 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-54 | 10/21/2009 | | 2.5 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-54 | 4/20/2010 | | 2.2 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-54 | 10/08/2010 | | 2.5 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-54 | 4/05/2011 | | 3.1 | 1.0 | |
| 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 | |
| Cis-1,2-dichloroethylene | MW-54 | 10/09/2012 | | 2.9 | 1.0 | |
| 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 | | ug/L |
| Cis-1,2-dichloroethylene | MW-54 | 4/10/2014 | | 3.2 | 1.0 | |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-54 | 10/16/2014 | | 2.9 | | ug/L |
| | MW-54 | 4/06/2015 | | 2.4 | 4.0 | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|----------------|-------------------------|------------|--------|-------|--------------|
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| Trichloroethylene | MW-54 | 10/14/2002 | | 5.0 | 1.0 | ug/L |
| Trichloroethylene | MW-54 | 1/29/2003 | | 5.2 | 1.0 | |
| Trichloroethylene | MW-54 | 7/11/2003 | | 4.3 | 1.0 | |
| Trichloroethylene | MW-54 | 10/06/2003 | | 4.3 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-54 | 4/26/2004 | | 4.4 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-54 | 10/05/2004 | | 5.5 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-54 | 4/11/2005 | | 3.9 | 1.0 | |
| Trichloroethylene | MW-54 | 10/05/2005 | | 4.0 | 1.0 | ug/L ug/L |
| | MW-54 | 4/05/2006 | | 3.4 | 1.0 | |
| Trichloroethylene | | | | 2.7 | | ug/L |
| Trichloroethylene | MW-54 | 10/04/2006 | | | 1.0 | |
| 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 | |
| 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 | |
| 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 | |
| Vinyl chloride | MW-54 | 4/10/2017 | | 1.8 | 1.0 | |
| Vinyl chloride | MW-54 | 10/09/2017 | | 1.6 | 1.0 | |
| 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 | |
| 1,1,1-trichloroethane | MW-81 | 7/13/1993 | | 1.1 | 1.0 | |
| 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 | | 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 | | ug/L |
| 1,1,1-trichloroethane | MW-81 | 1/21/1997 | | 1.4 | | ug/L |
| 1,1,1-trichloroethane | MW-81 | 4/11/1997 | | 2.2 | | ug/L |
| 1,1,1-trichloroethane | MW-81 | 10/09/1998 | | 1.1 | 1.0 | |
| 1,1-dichloroethane | MW-81 | 3/28/2008 | | 59.5 | | ug/L |
| 1,1-dichloroethane | MW-81 | 6/20/2008 | | 50.6 | | ug/L |
| 1,1-dichloroethane | MW-81 | 8/04/2008 | | 56.8 | 1.0 | |
| 1,1-dichloroethane | MW-81 | 10/03/2008 | | 70.7 | | ug/L |
| 1,1-dichloroethane | MW-81 | 12/08/2008 | | 53.4 | | ug/L |
| 1,1-dichloroethane | MW-81 | 4/01/2009 | | 54.3 | 1.0 | |
| 1,1-dichloroethane | MW-81 | 10/21/2009 | | 58.2 | | ug/L |
| 1,1-dichloroethane | MW-81 | 4/20/2010 | | 47.6 | | ug/L |
| 1,1-dichloroethane | MW-81 | 10/08/2010 | | 34.8 | 1.0 | |
| 1,1-dichloroethane | MW-81 | 4/05/2011 | | 44.1 | | ug/L ug/L |
| | | | | | | |
| 1,1-dichloroethane | MW-81 | 10/06/2011 | | 41.3 | | ug/L |
| 1,1-dichloroethane | MW-81 | 4/10/2012 | | 38.1 | | ug/L |
| 1,1-dichloroethane | MW-81 | 10/09/2012 | | 42.8 | 1.0 | |
| 1,1-dichloroethane | MW-81 | 4/04/2013 | | 39.0 | | ug/L |
| 1,1-dichloroethane | MW-81 | 10/16/2013 | | 49.2 | | ug/L |
| 1,1-dichloroethane | MW-81 | 4/10/2014 | | 46.6 | | ug/L |
| | 1 8 41 4 / 0 4 | 1 40/40/0044 | | 44.6 | 1 0 | ug/L |
| 1,1-dichloroethane 1,1-dichloroethane | MW-81 MW-81 | 10/16/2014 4/03/2015 | | 39.2 | | ug/L ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|----------------------|----------------|-------------------------|------------|------------|------------|--------------|
| 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-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 2.4 | 1.0 | ug/L |
| 1,2-dichloroethane | MW-81 | 10/10/2007 | | | 1.0 | ug/L |
| 1,2-dichloroethane | MW-81 | 3/28/2008 | | 2.1 2.9 | 1.0 | ug/L |
| 1,2-dichloroethane | MW-81 | 6/20/2008 | | | 1.0 | ug/L |
| 1,2-dichloroethane | MW-81 | 8/04/2008 | | 2.7 | 1.0 | ug/L |
| 1,2-dichloroethane | MW-81 MW-81 | 12/08/2008 4/01/2009 | | 2.7 2.7 | 1.0 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 10/21/2009 | | 3.4 | | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/20/2010 | | 3.4 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/20/2010 | | 3.0 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 10/06/2011 | | 4.5 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/10/2012 | | 3.7 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 10/09/2012 | | 6.5 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/04/2013 | | 5.4 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 10/16/2013 | | 10.8 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/10/2014 | | 11.3 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 10/16/2014 | | 7.7 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/03/2015 | | 6.5 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 10/01/2015 | | 8.7 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/14/2016 | | 4.7 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 10/13/2016 | | 6.4 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/10/2017 | | 4.2 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 10/09/2017 | | 9.9 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/17/2018 | | 9.9 5.8 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 10/22/2018 | | 2.9 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/22/2019 | | 2.9 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/10/2020 | | 2.1 | 1.0 | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 10/19/2020 | | 7.7 | | ug/L ug/L |
| 1,2-dichloroethane | MW-81 | 4/05/2021 | | 3.9 | | ug/L ug/L |
| 1,2-diofiloroculatio | 14144-01 | 7/03/2021 | | 5.9 | 1.0 | uy/L |

Table 1
Historical Volatile Organic Compound Detections

| 12-dichloroethane MW-8-1 1008/2021 9.8 1.0 ug/L -12-dichloroethane MW-8-1 1025/2022 12.8 1.0 ug/L -12-dichloroethane MW-8-1 1025/2022 12.8 1.0 ug/L -12-dichloroethane MW-8-1 1013/2023 15.6 1.0 ug/L -12-dichloroethane MW-8-1 1013/2023 15.6 1.0 ug/L -12-dichloroethane MW-8-1 1013/2023 15.6 1.0 ug/L -12-dichloroethane MW-8-1 1015/2024 11.2 1.0 ug/L -12-dichloropropane MW-8-1 1015/2024 11.2 1.0 ug/L -12-dichloropropane MW-8-1 8/20/2008 5.1 1.0 ug/L -12-dichloropropane MW-8-1 8/20/2008 5.1 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2008 5.1 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2008 1.0 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2008 1.0 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2008 1.0 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2009 17.3 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2010 7.0 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2010 7.0 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2011 14.7 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2011 16.7 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2011 16.7 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2011 16.7 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2013 16.8 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2013 15.8 1.0 ug/L -12-dichloropropane MW-8-1 1/208/2013 15.8 1.0 | Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|------------------------|-------|------------|------------|--------|-------|-------|
| 1,2-dichloroethane MW-81 406/2022 5.7 1,0 ug/L 1,2-dichloroethane MW-81 4/11/2023 6.9 1.0 ug/L 1,2-dichloroethane MW-81 4/11/2023 6.9 1.0 ug/L 1,2-dichloroethane MW-81 4/11/2023 6.9 1.0 ug/L 1,2-dichloroethane MW-81 4/11/2024 12.3 1.0 ug/L 1,2-dichloroethane MW-81 10/15/2024 11.2 1.0 ug/L 1,2-dichloropropane MW-81 3/28/2008 12.2 1.0 ug/L 1,2-dichloropropane MW-81 3/28/2008 12.2 1.0 ug/L 1,2-dichloropropane MW-81 3/28/2008 1.1 ug/L 1,2-dichloropropane MW-81 12/08/2008 1.1 ug/L 1,2-dichloropropane MW-81 14/08/2008 1.1 ug/L 1,2-dichloropropane MW-81 14/08/2009 1.0 ug/L 1,2-dichloropropane MW-81 10/21/2009 1.0 ug/L 1,2-dichloropropane MW-81 10/21/2009 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2010 5.9 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2011 14.7 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2011 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 10/08/2011 16.7 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2011 16.7 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2011 16.7 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2012 17.5 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2012 17.5 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2012 17.5 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2013 16.7 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2014 19.6 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2014 19.1 ug/L 1,2-dichloropropane MW-81 10/08/2014 19.1 ug/L 1,2-dichloropropane MW-81 10/08/2014 | 1,2-dichloroethane | MW-81 | 10/08/2021 | | 9.8 | 1.0 | ug/L |
| 1,2-dichloroethane MW-8-1 MV-81 1,2-dichloroethane | MW-81 | 4/06/2022 | | 5.7 | 1.0 | ug/L |
| 1,2-dichloroethane | 1,2-dichloroethane | MW-81 | 10/25/2022 | | 12.8 | 1.0 | ug/L |
| 1,2-dichloroptemane MW-81 4/16/2024 12.3 1.0 ug/L 1,2-dichloropropane MW-81 10/15/2024 11.2 1.0 ug/L 1,2-dichloropropane MW-81 3/28/2008 12.2 1.0 ug/L 1,2-dichloropropane MW-81 8/02/2008 9.1 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 9.1 1.0 ug/L 1,2-dichloropropane MW-81 12/08/2008 12.0 10 ug/L 1,2-dichloropropane MW-81 10/21/2009 17.3 1.0 ug/L 1,2-dichloropropane MW-81 10/21/2009 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 10/21/2009 1.0 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2011 16.7 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2012 17.5 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2013 22.7 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2013 22.7 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2013 22.7 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2013 18.1 10 ug/L 1,2-dichloropropane MW-81 10/16/2013 19.1 ug/L 1,2-dichlorop | | MW-81 | | | 6.9 | 1.0 | ug/L |
| 1,2-dichloropropane MW-81 10/16/2024 11.2 1.0 ug/L 1,2-dichloropropane MW-81 6/20/2008 5.1 1.0 ug/L 1,2-dichloropropane MW-81 6/20/2008 5.1 1.0 ug/L 1,2-dichloropropane MW-81 18/04/2008 12.0 1.0 ug/L 1,2-dichloropropane MW-81 12/08/2008 12.0 1.0 ug/L 1,2-dichloropropane MW-81 14/01/2009 17.3 10 ug/L 1,2-dichloropropane MW-81 10/21/2009 17.3 10 ug/L 1,2-dichloropropane MW-81 10/08/2010 5.9 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2010 5.9 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2011 16.7 1.0 ug/L 1,2-dichloropropane MW-81 44/02/2011 16.7 1.0 ug/L 1,2-dichloropropane MW-81 44/02/2012 17.6 1.0 ug/L 1,2-dichloropropane MW-81 44/02/2013 12.7 1.0 ug/L 1,2-dichloropropane MW-81 44/02/2013 12.7 1.0 ug/L 1,2-dichloropropane MW-81 44/02/2013 12.7 1.0 ug/L 1,2-dichloropropane MW-81 44/03/2015 16.1 1.0 ug/L 1,2-dichloropropane MW-81 44/14/2016 11.1 1.0 ug/L 1,2-dichloropropane MW-81 44/14/ | 1,2-dichloroethane | MW-81 | 10/13/2023 | | 15.6 | 1.0 | ug/L |
| 1,2-dichloropropane MW-81 3/28/2008 1,2 dichloropropane MW-81 8/04/2008 9,1 1,0 ug/L 1,2-dichloropropane MW-81 8/04/2008 9,1 1,0 ug/L 1,2-dichloropropane MW-81 1/208/2008 9,1 1,0 ug/L 1,2-dichloropropane MW-81 1/208/2008 1,2 1,0 ug/L 1,2-dichloropropane MW-81 1/208/2009 17,3 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2010 7,0 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2010 7,0 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2010 1,7 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2011 14,7 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2012 12,6 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2012 1,5 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2012 1,5 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2012 1,5 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2013 16,7 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2013 1,2 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2013 1,2 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2013 1,2 ug/L 1,2-dichloropropane MW-81 1/20/2013 1,2 ug/L 1,2-dichloropropane MW-81 1/20/2014 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2014 1,0 ug/L 1,2-dichloropropane MW-81 1/20/2015 1,0 ug/L 1,2-dichloropropane MW-81 | 1,2-dichloroethane | MW-81 | 4/16/2024 | | | 1.0 | ug/L |
| 1,2-dichloropropane MW-81 8/20/2008 5,1 1,0 ug/L 1,2-dichloropropane MW-81 12/08/2008 12,0 1,0 ug/L 1,2-dichloropropane MW-81 12/08/2008 12,0 1,0 ug/L 1,2-dichloropropane MW-81 14/02/2010 1,0 ug/L 1,2-dichloropropane MW-81 14/02/2010 5,9 1,0 ug/L 1,2-dichloropropane MW-81 14/02/2010 5,9 1,0 ug/L 1,2-dichloropropane MW-81 14/08/2011 14,7 1,0 ug/L 1,2-dichloropropane MW-81 14/08/2011 16,7 1,0 ug/L 1,2-dichloropropane MW-81 14/08/2011 16,7 1,0 ug/L 1,2-dichloropropane MW-81 14/08/2011 16,7 1,0 ug/L 1,2-dichloropropane MW-81 14/08/2012 17,5 1,0 ug/L 1,2-dichloropropane MW-81 14/08/2013 16,7 1,0 ug/L 1,2-dichloropropane MW-81 14/08/2013 22,7 1,0 ug/L 1,2-dichloropropane MW-81 14/08/2013 22,7 1,0 ug/L 1,2-dichloropropane MW-81 14/08/2014 19,6 1,0 ug/L 1,2-dichloropropane MW-81 14/08/2014 19,6 1,0 ug/L 1,2-dichloropropane MW-81 14/08/2015 16,1 10 ug/L 1,2-dichloropropane MW-81 14/18/2016 11,1 10 ug/L 1,2-dichloropropane MW-81 14/18/2016 11,1 10 ug/L 1,2-dichloropropane MW-81 14/18/2016 10,6 10 ug/L 1,2-dichloropropane MW-81 14/18/2016 10,1 ug/L 1,2-dichloropropane MW-81 14/18/2016 10,0 ug/L 1,2-dichloropropane MW-81 | | MW-81 | 10/15/2024 | | | | |
| 12-dichloropropane MW-81 1208/2008 9,1 1,0 ug/L -2-dichloropropane MW-81 1208/2008 12,0 10,0 ug/L -2-dichloropropane MW-81 1208/2009 17,3 1,0 ug/L -2-dichloropropane MW-81 10/21/2009 17,3 1,0 ug/L -2-dichloropropane MW-81 10/21/2009 17,0 1,0 ug/L -2-dichloropropane MW-81 10/08/2010 7,0 1,0 ug/L -2-dichloropropane MW-81 10/08/2011 14,7 1,0 ug/L -2-dichloropropane MW-81 10/08/2011 14,7 1,0 ug/L -2-dichloropropane MW-81 10/08/2011 16,7 1,0 ug/L -2-dichloropropane MW-81 10/08/2012 17,5 1,0 ug/L -2-dichloropropane MW-81 10/08/2012 17,5 1,0 ug/L -2-dichloropropane MW-81 10/08/2013 16,7 1,0 ug/L -2-dichloropropane MW-81 10/08/2013 16,7 1,0 ug/L -2-dichloropropane MW-81 10/16/2013 12,2 1,0 ug/L -2-dichloropropane MW-81 10/16/2013 16,7 1,0 ug/L -2-dichloropropane MW-81 10/16/2013 16,7 1,0 ug/L -2-dichloropropane MW-81 10/16/2014 18,6 1,0 ug/L -2-dichloropropane MW-81 10/16/2014 18,6 1,0 ug/L -2-dichloropropane MW-81 10/16/2014 18,6 1,0 ug/L -2-dichloropropane MW-81 10/16/2015 15,8 10 ug/L -2-dichloropropane MW-81 10/16/2016 11,6 1,0 ug/L -2-dichloropropane MW-81 10/16/2016 11,6 1,0 ug/L -2-dichloropropane MW-81 10/16/2016 11,6 1,0 ug/L -2-dichloropropane MW-81 10/16/2016 1,6 1,0 ug/L -2-dichloropropane MW-81 10/16/2016 1,6 1,0 ug/L -2-dichloropropane MW-81 10/16/2016 1,6 1,0 ug/L -2-dichloropropane MW-81 10/16/2016 1,9 1,0 ug/L -2-dichloropropane MW-81 10/16/2016 1,9 1,0 ug/L -2-dichloropropane MW-81 10/16/2020 1,1 1,0 ug/L -2-dichloropropane MW-81 10/16/2020 | | | | | | | |
| 1.2-dichloropropane MW-81 4/10/2009 17.3 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2009 17.3 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2010 7.0 10.0 ug/L 1.2-dichloropropane MW-81 4/20/2010 7.0 ug/L 1.2-dichloropropane MW-81 4/20/2010 5.9 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2011 14.7 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2011 14.7 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2011 16.7 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2012 17.5 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2013 16.7 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2013 16.7 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2013 16.7 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2014 18.1 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2014 18.1 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2014 19.6 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2015 15.8 1.0 ug/L 1.2-dichloropropane MW-81 4/20/2015 15.8 1.0 ug/L 1.2-dichloropropane MW-81 4/40/2016 10.6 1.0 ug/L 1.2-dichloropropane MW-81 4/40/2017 1.0 ug/L 1.2-dichloropropane MW-81 4/40/2017 9.1 1.0 ug/L 1.2-dichloropropane MW-81 4/40/2018 4.9 1.0 ug/L 1.2-dichloropropane MW-81 4/40/2018 4.9 1.0 ug/L 1.2-dichloropropane MW-81 4/40/2010 9.3 1.0 ug/L 1.2-dichloropropane MW-81 4/40/2020 1.1 1.0 ug/L 1.2-dichloropropane MW-81 | 1,2-dichloropropane | MW-81 | 6/20/2008 | | 5.1 | 1.0 | ug/L |
| 1,2-dichloropropane MW-81 10/12/009 17.3 1.0 ug/L 1,2-dichloropropane MW-81 10/12/009 10.0 ug/L 1,2-dichloropropane MW-81 10/08/2010 5.9 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2011 14.7 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2011 14.7 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2011 16.7 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2011 16.7 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2012 17.5 1.0 ug/L 1,2-dichloropropane MW-81 10/08/2012 17.5 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2013 16.7 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2013 16.7 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2013 18.1 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2014 19.6 11.1 1.0 ug/L 1,2-dichloropropane MW-81 10/13/2016 11.1 1.0 ug/L 1,2-dichloropropane MW-81 10/13/2016 10.6 10.6 10.6 10.1 1 | | | | | | | |
| 1,2-dichloropropane MW-81 4/02/2010 7.0 ugL 1,2-dichloropropane MW-81 4/02/2010 7.0 ugL 1,2-dichloropropane MW-81 4/05/2011 14,7 1.0 ugL 1,2-dichloropropane MW-81 4/05/2011 14,7 1.0 ugL 1,2-dichloropropane MW-81 4/05/2011 16,7 1.0 ugL 1,2-dichloropropane MW-81 4/05/2012 12,6 1.0 ugL 1,2-dichloropropane MW-81 4/05/2012 17,5 1.0 ugL 1,2-dichloropropane MW-81 4/04/2013 16,7 1.0 ugL 1,2-dichloropropane MW-81 4/04/2013 16,7 1.0 ugL 1,2-dichloropropane MW-81 4/04/2013 16,7 1.0 ugL 1,2-dichloropropane MW-81 4/04/2013 22,7 1.0 ugL 1,2-dichloropropane MW-81 4/06/2014 18,1 1.0 ugL 1,2-dichloropropane MW-81 4/06/2014 19,6 1.0 ugL 1,2-dichloropropane MW-81 4/03/2015 16,1 1.0 ugL 1,2-dichloropropane MW-81 4/03/2015 15,8 1.0 ugL 1,2-dichloropropane MW-81 4/03/2016 10,6 1.0 ugL 1,2-dichloropropane MW-81 4/04/2016 11,1 1.0 ugL 1,2-dichloropropane MW-81 4/04/2016 10,6 1.0 ugL 1,2-dichloropropane MW-81 4/09/2017 12,6 1.0 ugL 1,2-dichloropropane MW-81 4/09/2018 4,9 1.0 ugL 1,2-dichloropropane MW-81 4/09/2019 1,5 1.0 ug | | | | | | | |
| 1,2-dichloropropane MW-81 10/08/2010 5.9 1.0 ugL 1,2-dichloropropane MW-81 10/08/2011 14.7 1.0 ugL 1,2-dichloropropane MW-81 10/08/2011 14.7 1.0 ugL 1,2-dichloropropane MW-81 10/08/2011 16.7 1.0 ugL 1,2-dichloropropane MW-81 10/08/2011 15.7 1.0 ugL 1,2-dichloropropane MW-81 10/08/2012 17.5 1.0 ugL 1,2-dichloropropane MW-81 10/08/2012 17.5 1.0 ugL 1,2-dichloropropane MW-81 10/16/2013 16.7 1.0 ugL 1,2-dichloropropane MW-81 10/16/2013 18.7 1.0 ugL 1,2-dichloropropane MW-81 10/16/2014 18.1 1.0 ugL 1,2-dichloropropane MW-81 10/16/2014 19.6 10.0 ugL 1,2-dichloropropane MW-81 10/16/2014 11.1 1.0 ugL 1,2-dichloropropane MW-81 10/16/2017 9.1 1.0 ugL 1,2-dichloropropane MW-81 10/16/2017 9.1 1.0 ugL 1,2-dichloropropane MW-81 10/16/2018 8.6 1.0 ugL 1,2-dichloropropane MW-81 10/22018 8.6 1.0 ugL 1,2-dichloropropane MW-81 10/22019 1.9 1.0 ugL 1,2-dichloropropane MW-81 10/22019 1.1 1.0 ugL 1,2-dichloropropane MW-81 10/16/2002 1.1 1.0 ugL 1,2-dichloropropane MW-81 10/16/2002 1.1 1.0 ugL 1,2-dichloropropane MW-81 10/16/2002 1.1 1.0 ugL 1,2-dichloropropane MW-81 10/16/2003 1.1 1.0 ugL 1,2-dichloropropane MW-8 | ' | 1 | | | | | |
| 1,2-dichloropropane MW-81 405/2011 1.4,7 1.0 ugL 1,2-dichloropropane MW-81 405/2011 1.4,7 1.0 ugL 1,2-dichloropropane MW-81 405/2011 1.6,7 1.0 ugL 1,2-dichloropropane MW-81 406/2012 12,6 1.0 ugL 1,2-dichloropropane MW-81 409/2012 17,5 1.0 ugL 1,2-dichloropropane MW-81 409/2013 16,7 1.0 ugL 1,2-dichloropropane MW-81 409/2013 16,7 1.0 ugL 1,2-dichloropropane MW-81 409/2013 16,7 1.0 ugL 1,2-dichloropropane MW-81 401/2014 18,1 1.0 ugL 1,2-dichloropropane MW-81 401/2014 19,6 1.0 ugL 1,2-dichloropropane MW-81 403/2015 16,1 1.0 ugL 1,2-dichloropropane MW-81 403/2015 16,1 1.0 ugL 1,2-dichloropropane MW-81 403/2015 15,8 1.0 ugL 1,2-dichloropropane MW-81 401/2016 10,6 1.0 ugL 1,2-dichloropropane MW-81 401/2017 9,1 1.0 ugL 1,2-dichloropropane MW-81 401/2017 9,1 1.0 ugL 1,2-dichloropropane MW-81 409/2017 12,6 1.0 ugL 1,2-dichloropropane MW-81 409/2017 12,6 1.0 ugL 1,2-dichloropropane MW-81 409/2017 12,6 1.0 ugL 1,2-dichloropropane MW-81 409/2018 4,9 1.0 ugL 1,2-dichloropropane MW-81 409/2018 4,9 1.0 ugL 1,2-dichloropropane MW-81 409/2018 4,9 1.0 ugL 1,2-dichloropropane MW-81 409/2019 1,5 1.0 ugL 1,2-dichloropropane MW-81 409/2001 1,9 1.0 ugL 1,2-dichloropropane MW-81 409/2001 1,9 1.0 ugL 1,2-dichloropropane MW-81 409/2001 1,9 1.0 ugL 1,2-dichloropropane MW-81 409/2002 1,9 1.0 ugL 1,2-dichloropropane MW-81 409/2002 1,9 1.0 ugL 1,2-dichloropropane MW-81 409/2002 1,9 1.0 ugL 1,2-dichloropropane MW-81 409/2003 1,9 1.0 ugL 1,2-dichloropropan | | | | | | | |
| 1,2-dichloropropane MW-81 1006/2011 14.7 1.0 ugL 1,2-dichloropropane MW-81 1006/2011 16.7 1.0 ugL 1,2-dichloropropane MW-81 1006/2011 15.7 1.0 ugL 1,2-dichloropropane MW-81 1006/2012 17.5 1.0 ugL 1,2-dichloropropane MW-81 1006/2013 16.7 1.0 ugL 1,2-dichloropropane MW-81 1016/2013 22.7 1.0 ugL 1,2-dichloropropane MW-81 1016/2013 22.7 1.0 ugL 1,2-dichloropropane MW-81 1016/2014 18.1 1.0 ugL 1,2-dichloropropane MW-81 1016/2014 19.6 1.0 ugL 1,2-dichloropropane MW-81 1016/2014 19.6 1.0 ugL 1,2-dichloropropane MW-81 1001/2015 15.8 1.0 ugL 1,2-dichloropropane MW-81 1001/2015 15.8 1.0 ugL 1,2-dichloropropane MW-81 1001/2015 15.8 1.0 ugL 1,2-dichloropropane MW-81 1013/2016 10.6 11.1 1.0 ugL 1,2-dichloropropane MW-81 1013/2016 10.6 10.6 10.0 ugL 1,2-dichloropropane MW-81 417/2017 12.6 1.0 ugL 1,2-dichloropropane MW-81 417/2018 8.6 1.0 ugL 1,2-dichloropropane MW-81 417/2019 1.5 1.0 ugL 1,2-dichloropropane MW-81 417/2020 1.5 1.0 ugL 1,2-dichloropropane MW-81 417/2020 1.5 1.0 ugL 1,2-dichloropropane MW-81 417/2020 1.5 1.0 ugL 1,2-dichloropropane MW-81 4106/2021 4.0 1.0 ugL 1,2-dichloropropane MW-81 4106/2020 8.1 1.0 ugL 1,2-dichloropropane MW-81 4106/2020 | | | | | | | |
| 1.2-dichloropropane MW-81 | | | | | | | |
| 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 10/16/2014 18.1 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2014 18.1 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2015 16.1 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2015 16.1 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2015 15.8 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2016 11.1 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2016 11.1 1.0 ug/L 1,2-dichloropropane MW-81 10/16/2016 10.6 10.0 ug/L 1,2-dichloropropane MW-81 10/16/2017 9.1 1.0 ug/L 1,2-dichloropropane MW-81 4/10/2017 9.1 1.0 ug/L 1,2-dichloropropane MW-81 4/17/2018 8.6 1.0 ug/L 1,2-dichloropropane MW-81 4/17/2018 8.6 1.0 ug/L 1,2-dichloropropane MW-81 4/17/2018 8.6 1.0 ug/L 1,2-dichloropropane MW-81 4/12/2019 1.9 1.0 ug/L 1,2-dichloropropane MW-81 4/12/2019 1.9 1.0 ug/L 1,2-dichloropropane MW-81 4/12/2019 1.9 1.0 ug/L 1,2-dichloropropane MW-81 4/12/2020 7.9 1.0 ug/L 1,2-dichloropropane MW-81 4/16/2020 7.9 1.0 ug/L 1,2-dichloropropane MW-81 4/16/2020 7.9 1.0 ug/L 1,2-dichloropropane MW-81 4/16/2021 9.3 1.0 ug/L 1,2-dichloropropane MW-81 4/16/2022 8.1 1.0 ug/L 1,2-dichloropropane MW-81 4/16/2022 8.1 1.0 ug/L 1,2-dichloropropane MW-81 4/16/2022 8.1 1.0 ug/L 1,2-dichloropropane MW-81 4/16/2024 6.9 1.0 ug/L 1,2-dichloropr | | 1 | | | | | |
| 1,2-dichloropropane MW-81 40/09/2012 17.5 1.0 ug/L 1.2-dichloropropane MW-81 40/4/2013 16.7 1.0 ug/L 1.2-dichloropropane MW-81 40/10/2014 18.1 1.0 ug/L 1.2-dichloropropane MW-81 40/10/2014 18.1 1.0 ug/L 1.2-dichloropropane MW-81 40/16/2014 19.6 1.0 ug/L 1.2-dichloropropane MW-81 40/3/2015 16.8 1.0 ug/L 1.2-dichloropropane MW-81 40/3/2015 15.8 1.0 ug/L 1.2-dichloropropane MW-81 40/3/2015 15.8 1.0 ug/L 1.2-dichloropropane MW-81 40/13/2016 10.6 10. ug/L 1.2-dichloropropane MW-81 40/13/2016 10.6 10. ug/L 1.2-dichloropropane MW-81 40/13/2016 10.6 10.0 ug/L 1.2-dichloropropane MW-81 40/10/2017 9.1 1.0 ug/L 1.2-dichloropropane MW-81 10/9/2017 12.6 10. ug/L 1.2-dichloropropane MW-81 10/9/2017 12.6 10. ug/L 1.2-dichloropropane MW-81 10/22/2018 8.6 10. ug/L 1.2-dichloropropane MW-81 10/22/2018 4.9 10. ug/L 1.2-dichloropropane MW-81 10/23/2019 1.9 1.0 ug/L 1.2-dichloropropane MW-81 10/3/2019 1.5 10. ug/L 1.2-dichloropropane MW-81 10/3/2019 1.5 10. ug/L 1.2-dichloropropane MW-81 40/5/2021 4.0 10. ug/L 1.2-dichloropropane MW-81 10/5/2021 4.0 10. ug/L 1.2-dichloropropane MW-81 10/9/2020 7.9 10. ug/L 1.2-dichloropropane MW-81 10/5/2021 4.0 10. ug/L 1.2-dichloropropane MW-81 10/5/2002 2.6 10. ug/L 1.2-dichloropropane MW-81 10/5/2002 3.5 10. ug/L 1.2-dichloropropane MW-81 10/6/2000 1.4 10. ug/L 1.2-dichloropropane MW-81 10/6/2002 2.6 10. ug/L 1.2-dichloropropane MW-81 10/6/2002 3.5 10. ug/L 1.2-dichloropropane MW-81 10/6/2002 3.5 10. ug/L 1.2-dichloropropane MW-81 10/6/2002 3.5 10. ug/L 1.2-di | | | | | | | |
| 1,2-dichloropropane MW-81 40/4/2013 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 40/10/2014 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 40/3/2015 16.1 1.0 ug/L 1.2-dichloropropane MW-81 40/3/2015 16.1 1.0 ug/L 1.2-dichloropropane MW-81 40/3/2016 16.1 1.0 ug/L 1.2-dichloropropane MW-81 40/3/2016 11.1 1.0 ug/L 1.2-dichloropropane MW-81 40/12/2016 10.6 10.0 ug/L 1.2-dichloropropane MW-81 40/12/2016 10.6 10.0 ug/L 1.2-dichloropropane MW-81 40/12/2017 12.6 1.0 ug/L 1.2-dichloropropane MW-81 40/12/2018 4.9 1.0 ug/L 1.2-dichloropropane MW-81 40/12/2018 4.9 1.0 ug/L 1.2-dichloropropane MW-81 40/22/2019 1.9 1.0 ug/L 1.2-dichloropropane MW-81 40/22/2019 1.5 1.0 ug/L 1.2-dichloropropane MW-81 40/22/2019 1.5 1.0 ug/L 1.2-dichloropropane MW-81 40/22/2019 1.5 1.0 ug/L 1.2-dichloropropane MW-81 40/2020 7.9 1.0 ug/L 1.2-dichloropropane MW-81 40/2020 7.9 1.0 ug/L 1.2-dichloropropane MW-81 40/2020 7.9 1.0 ug/L 1.2-dichloropropane MW-81 40/62/2021 9.3 1.0 ug/L 1.2-dichloropropane MW-81 40/62/202 2.6 1.0 ug/L 1.2-dichloropropane MW-81 40/62/202 2.6 1.0 ug/L 1.2-dichloropropane MW-81 40/62/202 2.6 1.0 ug/L 1.2-dichloropropane MW-81 40/62/202 3.5 1.0 ug/L 1.2-dichlor | | | | | | | |
| 1,2-dichloropropane MW-81 41/10/2014 18.1 10. ug/L 1.2-dichloropropane MW-81 41/10/2014 19.6 1.0 ug/L 1.2-dichloropropane MW-81 41/10/2015 15.8 1.0 ug/L 1.2-dichloropropane MW-81 41/10/2015 15.8 1.0 ug/L 1.2-dichloropropane MW-81 41/10/2015 15.8 1.0 ug/L 1.2-dichloropropane MW-81 41/14/2016 11.1 1.0 ug/L 1.2-dichloropropane MW-81 41/14/2016 11.1 1.0 ug/L 1.2-dichloropropane MW-81 10/13/2016 10.6 10.0 ug/L 1.2-dichloropropane MW-81 10/13/2016 10.6 10.0 ug/L 1.2-dichloropropane MW-81 10/19/2017 9.1 1.0 ug/L 1.2-dichloropropane MW-81 10/19/2017 9.1 1.0 ug/L 1.2-dichloropropane MW-81 10/19/2018 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 10/22/2019 1.9 1.0 ug/L 1.2-dichloropropane MW-81 10/22/2019 1.9 1.0 ug/L 1.2-dichloropropane MW-81 10/22/2019 1.9 1.0 ug/L 1.2-dichloropropane MW-81 10/19/2020 1.1 1.0 ug/L 1.2-dichloropropane MW-81 10/19/2020 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 41/19/2020 7.9 1.0 ug/L 1.2-dichloropropane MW-81 41/19/2020 7.9 1.0 ug/L 1.2-dichloropropane MW-81 41/19/2022 4.0 1.0 ug/L 1.2-dichloropropane MW-81 41/19/2022 8.1 1.0 ug/L 1.2-dichloropropane MW-81 41/19/2022 8.2 1.0 ug/L 1.2-dichloropropane MW-81 41/19/2020 1.0 ug/L | | | | | | | |
| 1,2-dichloropropane MW-81 4/10/2014 18.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2015 16.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2015 16.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2015 15.8 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2016 11.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2016 11.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2017 8.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2017 8.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2017 12.6 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2017 12.6 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2018 8.6 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2018 8.6 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2020 1.5 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2020 1.5 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2020 7.9 1.0 ug/L 1.2-dichloropropane MW-81 4/05/2021 9.3 1.0 ug/L 1.2-dichloropropane MW-81 4/05/2021 9.3 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2020 3.5 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2020 4.6 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2020 8.1 1.0 ug/L 1.2-dichloropropane MW-81 4/11/2023 8.5 1.0 ug/L 1.2-dichloropropane MW-81 4/11/2020 8.2 1.0 ug/L 1.2-dichloropropane MW-81 4/16/2020 8.2 1.0 ug/L 1.2-dichloropropane MW-81 4/16/2020 1.4 1.0 ug/L 1.2-dichlorobenzene MW-81 | | 1 | | | | | |
| 1,2-dichloropropane MW-81 M(3)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 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 4/10/2017 9.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2017 12.6 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2017 12.6 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2018 8.6 1.0 ug/L 1.2-dichloropropane MW-81 4/17/2018 8.6 1.0 ug/L 1.2-dichloropropane MW-81 4/17/2018 8.6 1.0 ug/L 1.2-dichloropropane MW-81 4/12/2019 1.9 1.0 ug/L 1.2-dichloropropane MW-81 4/12/2019 1.9 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2020 1.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2020 1.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2020 1.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/8/2021 4.0 1.0 ug/L 1.2-dichloropropane MW-81 4/10/8/2021 4.0 1.0 ug/L 1.2-dichloropropane MW-81 4/10/8/2021 4.0 1.0 ug/L 1.2-dichloropropane MW-81 4/10/8/2021 9.3 1.0 ug/L 1.2-dichloropropane MW-81 4/10/8/2022 8.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2020 8.1 1.0 ug/L 1.2-dichloropropane MW-81 4/18/2022 8.1 1.0 ug/L 1.2-dichloropropane MW-81 4/18/2022 8.1 1.0 ug/L 1.2-dichloropropane MW-81 4/18/2022 8.1 1.0 ug/L 1.2-dichloropropane MW-81 4/18/2023 8.4 1.0 ug/L 1.2-dichloropropane MW-81 4/18/2023 8.4 1.0 ug/L 1.2-dichloropropane MW-81 4/18/2020 1.0 ug/L 1 | | | | | | | |
| 1,2-dichloropropane MW-81 4/03/2015 16.1 1.0 ug/L 1,2-dichloropropane MW-81 1/01/2016 11.1 1.0 ug/L 1,2-dichloropropane MW-81 1/01/302016 10.6 10.1 ug/L 1,2-dichloropropane MW-81 1/01/302017 9.1 1.0 ug/L 1,2-dichloropropane MW-81 1/09/2017 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 4/17/2018 8.6 1.0 ug/L 1,2-dichloropropane MW-81 4/17/2018 8.6 1.0 ug/L 1,2-dichloropropane MW-81 4/12/2019 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 4/05/2021 4.0 1.0 ug/L 1,2-dichloropropane MW-81 4/06/2022 2.6 1.0 ug/L 1,2-dichloropropane MW-81 4/06/2022 2.6 1.0 ug/L 1,2-dichloropropane MW-81 4/10/2023 3.5 1.0 ug/L 1,2-dichloropropane MW-81 4/10/2023 3.5 1.0 ug/L 1,2-dichloropropane MW-81 4/11/2023 3.5 1.0 ug/L 1,2-dichloropropane MW-81 4/16/2024 6.5 1.0 ug/L 1,2-dichlorobenzene MW-81 4/16/2024 6.5 1.0 ug/L 1,3-dichlorobenzene MW-81 4/16/2024 6.5 1.0 ug/L 1,4-dichlorobenzene MW-81 4/16/2024 6.5 1.0 ug/L 1,4-dichlorobenzene MW-81 4/16/2024 6.5 1.0 ug/L 1,4-dichlorobenzene MW-81 4/16/2020 1.4 1.0 ug/L 1,4-dichlorobenzene MW-81 4/16/2009 2.4 1.0 ug/L 1,4-dichlorobenzene MW-81 4/16/2009 2.4 1.0 ug/L 1,4-dichlorobenzene MW-81 4/16/2009 2.4 1.0 ug/L 1,4-dichlorobenzene MW-81 4/16/2001 3.5 1.0 ug/L 1,4-dichlorobenzene MW-81 4/16/2001 3.5 1.0 ug/L 1,4-dichlorobenzene MW-81 | | | | | | | |
| 1.2-dichloropropane MW-81 4/14/2016 11.1 1.0 ug/L 1.2-dichloropropane MW-81 4/14/2016 11.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2017 9.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2017 9.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2017 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 4/17/2018 8.6 1.0 ug/L 1.2-dichloropropane MW-81 4/12/2019 1.9 1.0 ug/L 1.2-dichloropropane MW-81 4/12/2019 1.9 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 4/10/2020 1.1 1.0 ug/L 1.2-dichloropropane MW-81 4/10/2020 7.9 1.0 ug/L 1.2-dichloropropane MW-81 4/16/2021 9.3 1.0 ug/L 1.2-dichloropropane MW-81 4/16/2022 8.1 1.0 ug/L 1.2-dichloropropane MW-81 4/16/2023 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 4/16/2024 6.5 1.0 ug/L 1.4-dichlorobenzene MW-81 4/16/2020 1.4 1.0 ug/L 1.4-dichlorobenzene MW-81 4/16/2020 1.4 1.0 ug/L 1.4-dichlorobenzene MW-81 4/16/2000 1.4 1.0 ug/L 1.4-dichlorobenzene MW-81 4/16/2000 1.4 1.0 ug/L 1.4-dichlorobenzene MW-81 4/06/2008 2.2 1.0 ug/L 1.4-dichlorobenzene MW-81 4/06/2001 1.8 1.0 ug/L 1.4-dichlorobenzene MW-81 4/06/2001 1.8 1.0 ug/L 1.4-dichlorobenzene | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1.2-dichloropropane | ' | 1 | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane MW-81 4/17/2018 8.6 1.0 ug/L 1,2-dichloropropane MW-81 10/22/2018 1.9 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 10/23/2019 1.5 1.0 ug/L 1,2-dichloropropane MW-81 10/18/2020 7.9 1.0 ug/L 1,2-dichloropropane MW-81 10/18/2021 4.0 1.0 ug/L 1,2-dichloropropane MW-81 10/18/2021 9.3 1.0 ug/L 1,2-dichloropropane MW-81 4/08/2021 9.3 1.0 ug/L 1,2-dichloropropane MW-81 4/08/2022 2.6 1.0 ug/L 1,2-dichloropropane MW-81 4/08/2022 2.6 1.0 ug/L 1,2-dichloropropane MW-81 4/11/2023 3.5 1.0 ug/L 1,2-dichloropropane MW-81 4/11/2023 3.5 1.0 ug/L 1,2-dichloropropane MW-81 4/11/2023 3.5 1.0 ug/L 1,2-dichloropropane MW-81 4/18/2024 6.5 1.0 ug/L 1,2-dichloropropane MW-81 4/18/2024 6.5 1.0 ug/L 1,2-dichloropropane MW-81 4/18/2024 6.5 1.0 ug/L 1,4-dichlorobenzene MW-81 4/18/2000 1.4 1.0 ug/L 1,4-dichlorobenzene MW-81 4/18/2000 1.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/18/2000 1.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/18/2000 1.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/20/2008 2.2 1.0 ug/L 1,4-dichlorobenzene MW-81 4/20/2010 3.5 1.0 ug/L 1,4-dichlorobenzene MW-81 4/20/2011 3.0 1.0 ug/L 1,4-dichlorobenzene | | | | | | | |
| 12-dichloropropane | | | | | | | |
| 12-dichloropropane | | | | | | | |
| 12-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | 1 | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | - 1 | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,2-dichloropropane | | | | | | | |
| 1,4-dichlorobenzene | | 1 | | | | | |
| 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 2.0 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 4/02/2010 3.5 1.0 ug/L 1,4-dichlorobenzene MW-81 4/05/2011 1.6 1.0 ug/L 1,4-dichlorobenzene MW-81 4/05/2011 1.6 1.0 ug/L 1,4-dichlorobenzene MW-81 4/06/2011 1.9 1.0 ug/L 1,4-dichlorobenzene MW-81 4/04/2013 2.0 1.0 ug/L 1,4-dichlorobenzene MW-81 10/09/2012 1.9 1.0 ug/L | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 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 1/20/2009 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 10/06/2011 1.6 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 10/16/2013 2.0 1.0 ug/L 1,4-dichlorobenzene MW-81 10/16/2014 1.6 1.0 ug/L <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 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 4/05/2011 1.6 1.0 ug/L 1,4-dichlorobenzene MW-81 4/10/2012 2.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/06/2012 1.9 1.0 ug/L 1,4-dichlorobenzene MW-81 4/01/2013 2.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/10/2014 1.7 1.0 ug/L | | 1 | | | | | |
| 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 10/21/2009 3.5 1.0 ug/L 1,4-dichlorobenzene MW-81 4/05/2010 1.8 1.0 ug/L 1,4-dichlorobenzene MW-81 10/08/2011 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 10/06/2011 1.9 1.0 ug/L 1,4-dichlorobenzene MW-81 10/09/2012 1.9 1.0 ug/L 1,4-dichlorobenzene MW-81 4/09/2013 2.3 1.0 ug/L 1,4-dichlorobenzene MW-81 4/04/2013 2.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/10/2014 1.6 1.0 ug/L <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 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 4/20/2010 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 4/10/2012 2.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/10/2012 2.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/10/2012 2.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/04/2013 2.3 1.0 ug/L 1,4-dichlorobenzene MW-81 4/10/2013 2.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/10/2013 2.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/10/2014 1.7 1.0 ug/L | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 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 4/05/2011 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 4/10/2013 2.0 1.0 ug/L 1,4-dichlorobenzene MW-81 4/10/2013 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 4/03/2015 1.5 1.0 ug/L 1,4-dichlorobenzene MW-81 4/03/2015 1.5 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 4/03/2015 1.5 1.0 ug/L 1,4-dichlorobenzene MW-81 10/01/2015 3.2 1.0 ug/L <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 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 10/16/2014 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 4/17/2018 4.2 1.0 ug/L 1,4-dichlorobenzene MW-81 10/23/2019 8.0 1.0 ug/L <td> 1,1 415111515251125115</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 1,1 415111515251125115 | | | | | | |
| 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 4/10/2014 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 10/23/2019 7.6 1.0 ug/L | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | 11 ' | | | | | | |
| 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 | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 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 | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene | | | | | | | |
| 1,4-dichlorobenzene MW-81 10/25/2022 5.8 1.0 ug/L | | | | | | | |
| | | | | | | | |
| | 1,4-dichlorobenzene | MW-81 | 4/11/2023 | | 4.6 | | |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|-----------------------------|----------------|-------------------------|------------|------------|------------|--------------|
| 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 |
| 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 Benzene | MW-81 MW-81 | 10/08/2010 4/05/2011 | | 3.6 2.2 | 1.0 1.0 | ug/L ug/L |
| | MW-81 | 10/06/2011 | | 2.2 | 1.0 | |
| Benzene | MW-81 | 4/10/2012 | | 2.0 | | ug/L |
| Benzene | MW-81 | 10/09/2012 | | 1.2 | 1.0 1.0 | ug/L |
| Benzene Benzene | MW-81 | 4/04/2013 | | 1.1 | 1.0 | ug/L ug/L |
| Benzene | MW-81 | 10/16/2013 | | 1.1 | 1.0 | ug/L ug/L |
| Benzene | MW-81 | 1 | | 1.3 | 1.0 | |
| Benzene | MW-81 | 10/13/2016 4/10/2017 | | 1.5 | 1.0 | ug/L ug/L |
| Benzene | MW-81 | 10/09/2017 | | 1.1 | 1.0 | ug/L ug/L |
| Benzene | MW-81 | 4/17/2018 | | 1.0 | 1.0 | |
| Benzene | MW-81 | 4/22/2019 | | 2.9 | 1.0 | ug/L ug/L |
| Benzene | MW-81 | 10/23/2019 | | 2.7 | 1.0 | ug/L ug/L |
| Benzene | MW-81 | 4/10/2020 | | 2.7 | 1.0 | ug/L ug/L |
| Benzene | MW-81 | 10/19/2020 | | 1.5 | 1.0 | ug/L 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 |
| 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 | | ug/L |
| Chlorobenzene | MW-81 | 10/25/2022 | | 1.7 | | ug/L |
| Chlorobenzene | MW-81 | 4/11/2023 | | 1.4 | | ug/L |
| Chlorobenzene | MW-81 | 10/13/2023 | | 1.9 | | ug/L |
| Chlorobenzene | MW-81 | 4/16/2024 | | 1.7 | 1.0 | |
| Chlorobenzene | MW-81 | 10/15/2024 | | 1.8 | | ug/L |
| Chloroethane | MW-81 | 3/28/2008 | | 13.4 | 1.0 | |
| Chloroethane | MW-81 | 6/20/2008 | | 13.9 | 1.0 | |
| Chloroethane | MW-81 | 8/04/2008 | | 13.4 | | ug/L |
| Chloroethane | MW-81 | 10/03/2008 | | 14.2 | 1.0 | |
| Chloroethane | MW-81 | 12/08/2008 | | 15.0 | 1.0 | |
| Chloroethane | MW-81 | 4/01/2009 | | 14.0 | | ug/L |
| Chloroethane | MW-81 | 10/21/2009 | | 18.1 | 1.0 | |
| Chloroethane | MW-81 | 4/20/2010 | | 14.4 | 1.0 | |
| Chloroethane | MW-81 | 10/08/2010 | | 12.9 | | ug/L |
| Chloroethane | MW-81 | 4/05/2011 | | 14.0 | | ug/L |
| Chloroethane | MW-81 | 10/06/2011 | | 13.2 | | ug/L |
| Chloroethane | MW-81 | 4/10/2012 | | 12.2 | 1.0 | |
| Chloroethane | MW-81 | 10/09/2012 | | 11.5 | | ug/L |
| Chloroethane | MW-81 | 4/04/2013 | | 10.2 | | ug/L |
| Chloroethane | MW-81 | 10/16/2013 | | 12.5 | | ug/L |
| Chloroethane | MW-81 | 4/10/2014 | | 13.4 | | ug/L |
| Onloroctiano | | | | | | |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|----------------|--------------------------|------------|-------------|------------|--------------|
| 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 Chloroethane | MW-81 MW-81 | 10/13/2016 4/10/2017 | | 11.5 9.8 | 1.0 1.0 | ug/L |
| Chloroethane | MW-81 | 10/09/2017 | | 9.6 8.7 | 1.0 | ug/L ug/L |
| Chloroethane | MW-81 | 4/17/2018 | | 7.1 | 1.0 | ug/L 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 Chloroethane | MW-81 MW-81 | 10/25/2022 4/11/2023 | | 7.2 5.4 | 1.0 1.0 | ug/L |
| Chloroethane | MW-81 | 10/13/2023 | | 6.5 | 1.0 | ug/L 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 |
| 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 Cis-1,2-dichloroethylene | MW-81 MW-81 | 10/21/2009 | | 220 228 | 5 1 | ug/L |
| Cis-1,2-dichloroethylene | MW-81 | 10/21/2009 4/20/2010 | | 245 | 5 | ug/L 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 MW-81 | 4/03/2015 | | 252 201 | 1 1 | ug/L |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-81 | 10/01/2015 4/14/2016 | | 247 | 1 | ug/L 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 Cis-1,2-dichloroethylene | MW-81 MW-81 | 4/05/2021 10/08/2021 | | 148 188 | 1 1 | ug/L 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 | - | 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 |
| 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 Tetrachloroethylene | MW-81 MW-81 | 4/05/2011 | | 1.7 2.0 | 1.0 1.0 | ug/L ug/L |
| Tetrachloroethylene | MW-81 | 10/06/2011 10/09/2012 | | 1.6 | 1.0 | ug/L ug/L |
| Tetrachloroethylene | MW-81 | 4/04/2013 | | 1.0 | 1.0 | ug/L ug/L |
| Tetrachloroethylene | MW-81 | 10/16/2013 | | 4.0 | 1.0 | ug/L 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 | | 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 | |
| Trans-1,2-dichloroethylene | MW-81 | 10/03/2008 | | 2.8 | | ug/L |
| Trans-1,2-dichloroethylene | MW-81 | 12/08/2008 | | 3.0 | 1.0 | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|----------------|-------------------------|------------|---------------|------------|----------------|
| 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 Trans-1,2-dichloroethylene | MW-81 MW-81 | 10/06/2011 4/10/2012 | | 3.2 3.2 | 1.0 1.0 | ug/L ug/L |
| Trans-1,2-dichloroethylene | MW-81 | 10/09/2012 | | 2.9 | 1.0 | ug/L 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 Trans-1,2-dichloroethylene | MW-81 MW-81 | 10/01/2015 4/14/2016 | | 2.2 2.6 | 1.0 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-81 | 10/13/2016 | | 3.1 | 1.0 | ug/L 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 4/05/2021 | | 4.1 1.8 | 1.0 1.0 | ug/L |
| Trans-1,2-dichloroethylene Trans-1,2-dichloroethylene | MW-81 MW-81 | 10/08/2021 | | 1.8 | 1.0 | ug/L ug/L |
| Trans-1,2-dichloroethylene | MW-81 | 10/06/2021 | | 2.4 | 1.0 | ug/L 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 |
| Trichloroethylene | MW-81 | 4/22/1993 | | 2.8 | 1.0 | ug/L |
| Trichloroethylene | MW-81 | 7/13/1993 | | 14.6 61.2 | 1.0 | ug/L |
| Trichloroethylene Trichloroethylene | MW-81 MW-81 | 1/25/1994 4/14/1994 | | 30.0 | 1.0 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 7/08/1994 | | 39.8 | 1.0 | ug/L 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 61.1 | 1.0 1.0 | ug/L |
| Trichloroethylene Trichloroethylene | MW-81 MW-81 | 4/15/1996 7/17/1996 | | 34.6 | 1.0 | ug/L 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 Trichloroethylene | MW-81 MW-81 | 4/21/1998 7/21/1998 | | 36.7 33.5 | 1.0 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 10/09/1998 | | 35.8 | 1.0 | ug/L 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 | | ug/L |
| Trichloroethylene | MW-81 | 10/04/1999 | | 52.8 | 1.0 | |
| Trichloroethylene | MW-81 | 1/06/2000 | | 72.2 | 1.0 | ug/L |
| Trichloroethylene Trichloroethylene | MW-81 MW-81 | 4/13/2000 7/05/2000 | | 57.8 100.0 | 1.0 1.0 | ug/L |
| Trichloroethylene | MW-81 | 10/08/2000 | | 55.9 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 4/27/2001 | | 57.8 | 1.0 | ug/L 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 Trichloroethylene | MW-81 MW-81 | 4/26/2004 | | 39.4 44.5 | 1.0 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 4/11/2005 10/05/2005 | | 20.2 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 4/05/2006 | | 32.5 | 1.0 | ug/L 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 |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|-------------------------------------|------------------|-------------------------|------------|--------------|-------------|--------------|
| 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 Trichloroethylene | MW-81 MW-81 | 10/06/2011 4/10/2012 | | 12.5 10.1 | 1.0 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 10/09/2012 | | 12.2 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 4/04/2013 | | 11.9 | 1.0 | ug/L 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 9.4 | 1.0 | ug/L |
| Trichloroethylene Trichloroethylene | MW-81 MW-81 | 10/09/2017 4/17/2018 | | 4.3 | 1.0 1.0 | ug/L |
| Trichloroethylene | MW-81 | 10/19/2020 | | 3.0 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-81 | 4/05/2021 | | 2.0 | 1.0 | ug/L 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 MW-81 | 3/28/2008 6/20/2008 | | 7.6 15.7 | 1.0 1.0 | ug/L |
| Vinyl chloride Vinyl chloride | MW-81 | 8/04/2008 | | 12.4 | 1.0 | ug/L ug/L |
| Viriyi chioride Vinyl chloride | MW-81 | 10/03/2008 | | 7.5 | 1.0 | ug/L 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 Vinyl chloride | MW-81 MW-81 | 4/04/2013 10/16/2013 | | 7.8 9.4 | 1.0 1.0 | ug/L ug/L |
| Viriyi chioride Vinyl chloride | MW-81 | 4/10/2014 | | 11.0 | 1.0 | ug/L ug/L |
| Vinyl chloride | MW-81 | 10/16/2014 | | 9.7 | 1.0 | ug/L 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 | | ug/L |
| Vinyl chloride Vinyl chloride | MW-81 MW-81 | 4/22/2019 10/23/2019 | | 15.5 24.2 | 1.0 1.0 | ug/L ug/L |
| Viriyi chloride Vinyl chloride | MW-81 | 4/10/2020 | | 13.9 | 1.0 | ug/L ug/L |
| Vinyl chloride | MW-81 | 10/19/2020 | | 15.4 | 1.0 | ug/L 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 | |
| Acetone | MW-85 | 10/09/2017 | | 15.4 | 10.0 | ug/L |
| Acetone Benzene | MW-87 MW-87 | 10/09/2017 7/17/1997 | | 18.4 1.3 | 10.0 1.0 | ug/L ug/L |
| Bis(2-ethylhexyl) phthalate | MW-87 | 12/08/2008 | | 28 | 8 | ug/L ug/L |
| Bis(2-ethylhexyl) phthalate | MW-87 | 4/10/2014 | | 13 | 10 | ug/L 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 |
| | MW-89 | 10/16/2013 | | 9 | _ | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|----------------|-------------------------|------------|--------------|------------|--------------|
| Bis(2-ethylhexyl) phthalate | MW-89 | 4/10/2014 | | 18 | 10 | ug/L |
| Bis(2-ethylhexyl) phthalate 1,1,1-trichloroethane | MW-89 MW-91 | 4/14/2016 9/11/2000 | | 19 | 13 | ug/L ug/L |
| 1,1,1-trichloroethane | MW-91 | 10/08/2000 | | 1.0 | | ug/L ug/L |
| 1,1-dichloroethane | MW-91 | 3/28/2008 | | 5.5 | | ug/L |
| 1,1-dichloroethane | MW-91 | 6/20/2008 | | 4.4 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 8/05/2008 | | 6.5 | | ug/L |
| 1,1-dichloroethane | MW-91 | 10/03/2008 | | 9.3 | | ug/L |
| 1,1-dichloroethane | MW-91 | 12/10/2008 | | 6.8 5.3 | 1.0 | ug/L ug/L |
| 1,1-dichloroethane 1,1-dichloroethane | MW-91 MW-91 | 4/02/2009 10/21/2009 | | 2.5 | | ug/L ug/L |
| 1,1-dichloroethane | MW-91 | 4/20/2010 | | 4.4 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 10/08/2010 | | 4.3 | | ug/L |
| 1,1-dichloroethane | MW-91 | 4/05/2011 | | 4.5 | | ug/L |
| 1,1-dichloroethane | MW-91 | 10/06/2011 | | 3.9 | 1.0 | |
| 1,1-dichloroethane 1,1-dichloroethane | MW-91 MW-91 | 4/10/2012 4/04/2013 | | 3.9 1.0 | | ug/L ug/L |
| 1,1-dichloroethane | MW-91 | 10/16/2013 | | 3.4 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 4/10/2014 | | 1.8 | | ug/L |
| 1,1-dichloroethane | MW-91 | 10/16/2014 | | 2.4 | | ug/L |
| 1,1-dichloroethane | MW-91 | 4/03/2015 | | 6.1 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 10/01/2015 | | 3.6 | 1.0 | |
| 1,1-dichloroethane | MW-91 | 10/09/2017 | | 2.5 | | ug/L |
| 1,1-dichloroethane 1,1-dichloroethane | MW-91 MW-91 | 1/09/2018 4/22/2019 | | 1.7 2.7 | 1.0 1.0 | |
| 1,1-dichloroethane | MW-91 | 10/19/2020 | | 1.5 | | ug/L ug/L |
| Bis(2-ethylhexyl) phthalate | MW-91 | 8/05/2008 | | 8 | 8 | ug/L 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 | |
| Carbon disulfide | MW-91 | 4/06/2022 | | 2.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-91 | 6/20/2008 | | 1.0 3.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-91 MW-91 | 8/05/2008 4/20/2010 | | 1.0 | 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-91 | 10/06/2011 | | 1.1 | 1.0 | |
| Cis-1,2-dichloroethylene | MW-91 | 4/03/2015 | | 1.5 | | ug/L |
| Tetrachloroethylene | MW-91 | 12/10/2008 | | 1.1 | | ug/L |
| Trichloroethylene | MW-91 | 9/11/2000 | | 1.0 | 1.0 | |
| Trichloroethylene | MW-91 | 1/25/2002 | | 1.1 | | ug/L |
| Trichloroethylene Trichloroethylene | MW-91 MW-91 | 4/24/2002 10/14/2002 | | 1.0 1.2 | 1.0 | ug/L ug/L |
| Trichloroethylene | MW-91 | 10/05/2004 | | 1.2 | | ug/L 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 1,1-dichloroethane | MW-94 MW-94 | 4/05/2011 6/18/2011 | | 41.9 33.4 | 1.0 1.0 | ug/L ug/L |
| 1.1-dichloroethane | MW-94 | 8/11/2011 | | 30.9 | 1.0 | |
| 1,1-dichloroethane | MW-94 | 10/06/2011 | | 43.5 | | ug/L |
| 1,1-dichloroethane | MW-94 | 4/10/2012 | | 36.2 | | ug/L |
| 1,1-dichloroethane | MW-94 | 10/09/2012 | | 36.0 | | ug/L |
| 1,1-dichloroethane | MW-94 | 4/04/2013 | | 23.3 | | ug/L |
| 1,1-dichloroethane 1,1-dichloroethane | MW-94 MW-94 | 10/16/2013 4/10/2014 | | 24.3 21.1 | | ug/L ug/L |
| 1,1-dichloroethane | MW-94 | 10/16/2014 | | 16.1 | | ug/L ug/L |
| 1,1-dichloroethane | MW-94 | 4/03/2015 | | 11.3 | | 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 | | ug/L |
| 1,1-dichloroethane | MW-94 | 10/13/2016 | | 9.8 | | ug/L |
| 1,1-dichloroethane 1.1-dichloroethane | MW-94 MW-94 | 4/10/2017 | | 7.7 | | ug/L |
| 1,1-dichloroethane 1,1-dichloroethane | MW-94 MW-94 | 10/09/2017 4/17/2018 | | 8.3 5.7 | 1.0 | ug/L ug/L |
| 1,1-dichloroethane | MW-94 | 10/22/2018 | | 6.0 | | ug/L ug/L |
| 1,1-dichloroethane | MW-94 | 4/22/2019 | | 5.4 | | 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 | | ug/L |
| 1,1-dichloroethane | MW-94 | 10/19/2020 | | 3.8 | | ug/L |
| 1,1-dichloroethane | MW-94 MW-94 | 4/05/2021 | | 1.8 | | ug/L |
| 1,1-dichloroethane 1,1-dichloroethane | MW-94 | 10/08/2021 4/06/2022 | | 2.6 1.9 | | ug/L ug/L |
| 1,1-dichloroethane | MW-94 | 10/25/2022 | | 2.4 | | ug/L ug/L |
| 1,1-dichloroethane | MW-94 | 4/11/2023 | | 1.6 | | 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 | | ug/L |
| 1,1-dichloroethane | MW-94 | 10/15/2024 | | 1.0 | | ug/L |
| 1,2-dichloroethane | MW-94 | 10/01/2015 | | 1.1 | 1.0 | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|--|----------------|-------------------------|------------|------------|-------|----------------|
| 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 |
| 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 | | ug/L |
| Benzene | MW-94 | 10/25/2022 | | 2.1 | | ug/L |
| Benzene | MW-94 | 4/11/2023 | | 1.9 | | ug/L |
| Benzene | MW-94 | 10/13/2023 | | 1.7 | 1.0 | |
| Benzene | MW-94 | 4/17/2024 | | 2.0 | | ug/L |
| Benzene | MW-94 | 10/15/2024 | | 1.8 | | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-94 | 10/09/2012 | | 8 | 8 | |
| Chloroethane | MW-94 | 1/14/2011 | | 16.5 | | ug/L |
| Chloroethane | MW-94 | 4/05/2011 | | 19.0 | | ug/L |
| Chloroethane | MW-94 | 6/18/2011 | | 6.4 | 1.0 | |
| Chloroethane | MW-94 | 8/11/2011 | | 12.7 | | ug/L |
| Chloroethane | MW-94 | 10/06/2011 | | 19.8 | | ug/L |
| Chloroethane | MW-94 | 4/10/2012 | | 16.7 | | ug/L |
| Chloroethane | MW-94 | 10/09/2012 | | 18.2 | | ug/L |
| Chloroethane | MW-94 | 4/04/2013 | | 14.3 | | ug/L |
| Chloroethane | MW-94 | 10/16/2013 | | 17.2 | | ug/L |
| Chloroethane | MW-94 | 4/10/2014 | | 18.5 | | ug/L |
| Chloroethane | MW-94 | 10/16/2014 | | 16.4 | | ug/L ug/L |
| 1 | MW-94 | 4/03/2015 | | 13.0 | | ug/L ug/L |
| Chloroethane | | 1,00,2010 | | 10.0 | 1.0 | - ~g/ - |
| Chloroethane Chloroethane | | | | 9.5 | 1 0 | ua/l |
| Chloroethane Chloroethane Chloroethane | MW-94 MW-94 | 10/01/2015 4/14/2016 | | 9.5 9.2 | | ug/L ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|----------------|-------------------------|------------|--------------|------------|--------------|
| 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 4/22/2019 | | 5.2 | 1.0 | ug/L |
| Chloroethane Chloroethane | MW-94 MW-94 | 10/23/2019 | | 5.4 6.0 | 1.0 1.0 | ug/L ug/L |
| Chloroethane | MW-94 | 4/10/2020 | | 4.4 | 1.0 | ug/L 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 | | 3.0 112.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-94 MW-94 | 1/14/2011 4/05/2011 | | 204.0 | 1.0 5.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-94 | 6/18/2011 | | 114.0 | 1.0 | ug/L 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 MW-94 | 4/22/2019 | | 30.2 23.0 | 1.0 1.0 | ug/L |
| Cis-1,2-dichloroethylene Cis-1,2-dichloroethylene | MW-94 | 10/23/2019 4/10/2020 | | 21.4 | 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-94 | 10/19/2020 | | 27.4 | 1.0 | ug/L ug/L |
| Cis-1,2-dichloroethylene | MW-94 | 4/05/2021 | | 13.2 | 1.0 | ug/L 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 |
| 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 | | ug/L |
| Trans-1,2-dichloroethylene Trans-1,2-dichloroethylene | MW-94 MW-94 | 4/10/2012 10/09/2012 | | 2.4 1.8 | 1.0 | ug/L ug/L |
| Trans-1,2-dichloroethylene | MW-94 | 4/04/2013 | | 1.8 | | ug/L ug/L |
| Trans-1,2-dichloroethylene | MW-94 | 10/16/2013 | | 1.9 | | ug/L ug/L |
| Trans-1,2-dichloroethylene | MW-94 | 4/10/2014 | | 1.6 | | 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 | |
| Trans-1,2-dichloroethylene | MW-94 | 10/13/2016 | | 1.2 | 1.0 | |
| 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 | |
| Trans-1,2-dichloroethylene | MW-94 | 10/13/2023 | | 1.6 | 1.0 | ug/L |
| Trichloroethylene | MW-94 | 1/14/2011 | | 59.7 | | 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 | | ug/L |
| Trichloroethylene Trichloroethylene | MW-94 | 10/06/2011 | | 42.0 | 1.0 | |
| Trichloroethylene Trichloroethylene | MW-94 MW-94 | 4/10/2012 10/09/2012 | | 37.0 28.1 | 1.0 1.0 | ug/L ug/L |
| Trichloroethylene | MW-94 | 4/04/2013 | | 21.2 | | ug/L ug/L |
| Trichloroethylene | MW-94 | 10/16/2013 | | 7.7 | 1.0 | |
| Trichloroethylene | MW-94 | 4/10/2014 | | 5.4 | 1.0 | ug/L ug/L |
| | | | | UT | 1.0 | ~9/ - |
| Trichloroethylene | MW-94 | 10/16/2014 | | 2.0 | 1.0 | ug/L |

Table 1
Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|-----------------------------|---------|------------|------------|--------|-------|-------|
| 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 |
| 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 | SRAMPA | 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 | SRAMPA | 4/22/2019 | | 2.8 | 1.0 | ug/L |

Attachment G

Assessment Statistics for VOCs

marshall2024s2 November 2024

Marshall [VOC] November 2024

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 | 1.325 | 0.222 | 1.176 | 1.064 | 1.586 | 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 | 6.175 | 2.061 | 1.176 | 3.750 | 8.600 | 75.000 | | |
| Acetone | ug/L | MW-49 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6300.000 | | |
| Benzene | ug/L | MW-49 | 4 | 2.050 | 1.500 | 1.176 | 0.286 | 3.814 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-49 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6.000 | | |
| | | | | | | | | | | | |
| Chlorobenzene | ug/L | MW-49 | 4 | 0.775 | 0.320 | 1.176 | 0.398 | 1.152 | 100.000 | | |
| Chloroethane | ug/L | MW-49 | 4 | 5.825 | 0.967 | 1.176 | 4.687 | 6.963 | 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 | |
| Tetrachloroethylene | ug/L | MW-49 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 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 | uco | + |
| | | | | | | | | | | | |
| 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 | 2.725 | 1.059 | 1.176 | 1.479 | 3.971 | 75.000 | inc | |
| Acetone | ug/L | MW-54 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6300.000 | | |
| Benzene | ug/L | MW-54 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-54 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6.000 | | |
| Chlorobenzene | ug/L | MW-54 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Chloroethane | | MW-54 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | | 2800.000 | dec | |
| | ug/L | | | | | | | 0.500 | | | |
| Cis-1,2-dichloroethylene | ug/L | MW-54 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 70.000 | dec | |
| Tetrachloroethylene | ug/L | MW-54 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 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 | 26.725 | 2.863 | 1.176 | 23.357 | 30.093 | 140.000 | dec | + |
| 1,2-dichloroethane | | MW-81 | 4 | 11.500 | 3.592 | 1.176 | 7.275 | 15.725 | 5.000 | inc | ** |
| | ug/L | | | | | | | | | IIIC | |
| 1,2-dichloropropane | ug/L | MW-81 | 4 | 6.325 | 2.053 | 1.176 | 3.910 | 8.740 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | MW-81 | 4 | 5.150 | 0.580 | 1.176 | 4.467 | 5.833 | 75.000 | inc | |
| Acetone | ug/L | MW-81 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6300.000 | | |
| Benzene | ug/L | MW-81 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-81 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6.000 | | |
| Chlorobenzene | ug/L | MW-81 | 4 | 1.700 | 0.216 | 1.176 | 1.446 | 1.954 | 100.000 | inc | |
| Chloroethane | ug/L | MW-81 | 4 | 6.175 | 0.613 | 1.176 | 5.454 | 6.896 | 2800.000 | dec | |
| | | MW-81 | 4 | 153.000 | 24.152 | 1.176 | 124.590 | 181.410 | 70.000 | dec | ** |
| Cis-1,2-dichloroethylene | ug/L | | | | | | | | | dec | |
| Tetrachloroethylene | ug/L | MW-81 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-81 | 4 | 2.325 | 0.150 | 1.176 | 2.149 | 2.501 | 100.000 | dec | |
| Trichloroethylene | ug/L | MW-81 | 4 | 2.375 | 0.793 | 1.176 | 1.442 | 3.308 | 5.000 | dec | |
| Vinyl chloride | ug/L | MW-81 | 4 | 6.925 | 0.532 | 1.176 | 6.300 | 7.550 | 2.000 | | ** |
| 1,1-dichloroethane | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | | \top |
| 1,2-dichloroethane | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,2-dichloropropane | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| | | MW-89 | 4 | | | | | | 75.000 | | |
| 1,4-dichlorobenzene | ug/L | | | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | | | |
| Acetone | ug/L | MW-89 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6300.000 | | |
| Benzene | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-89 | 4 | 8.500 | 7.000 | 1.176 | 0.266 | 16.734 | 6.000 | | |
| Chlorobenzene | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Chloroethane | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2800.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 70.000 | | |
| | | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | | 5.000 | | |
| Tetrachloroethylene | ug/L | | | | | | | 0.500 | | | |
| Frans-1,2-dichloroethylene | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinyl chloride | ug/L | MW-89 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |
| 1,1-dichloroethane | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | dec | |
| 1,2-dichloroethane | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,2-dichloropropane | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1.4-dichlorobenzene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| | | | | | | | | | | | |
| Acetone | ug/L | MW-91 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6300.000 | | |
| Benzene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-91 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6.000 | | |
| Chlorobenzene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Chloroethane | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2800.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 70.000 | | |
| Tetrachloroethylene | | | | | | | | | | | |
| | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinue alabarida | ug/L | MW-91 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |
| Vinyl chloride | | | | | | | | | | | |
| 1,1-dichloroethane | ug/L | MW-94 | 4 | 1.575 | 0.602 | 1.176 | 0.867 | 2.283 | 140.000 | dec | |

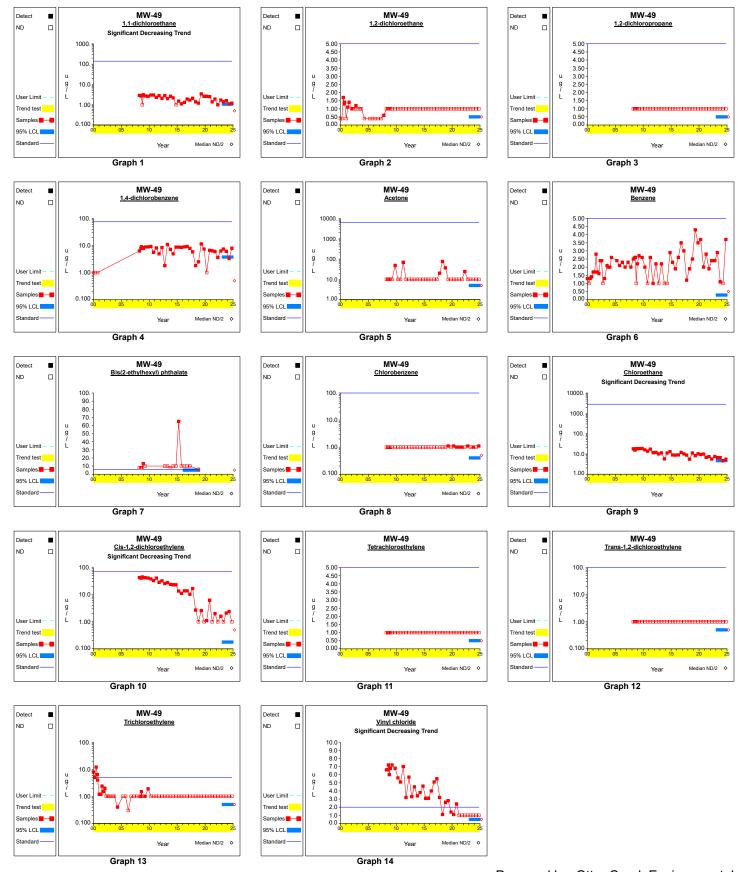
^{* -} Insufficient Data ** - Significant Exceedance LCL = Lower Confidence Limit UCL = Upper Confidence Limit

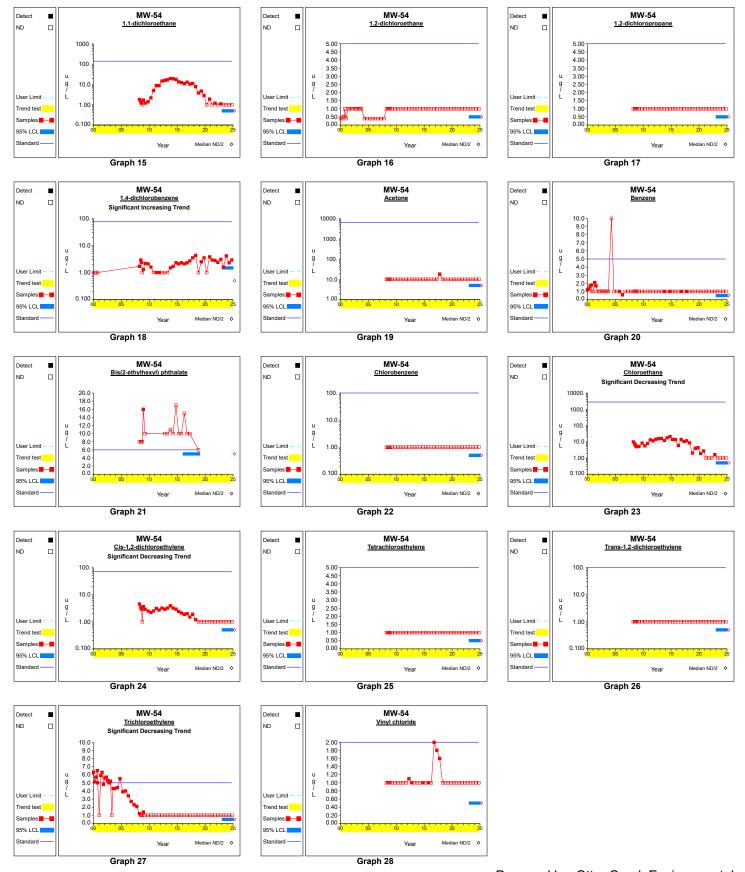
Marshall [VOC] November 2024

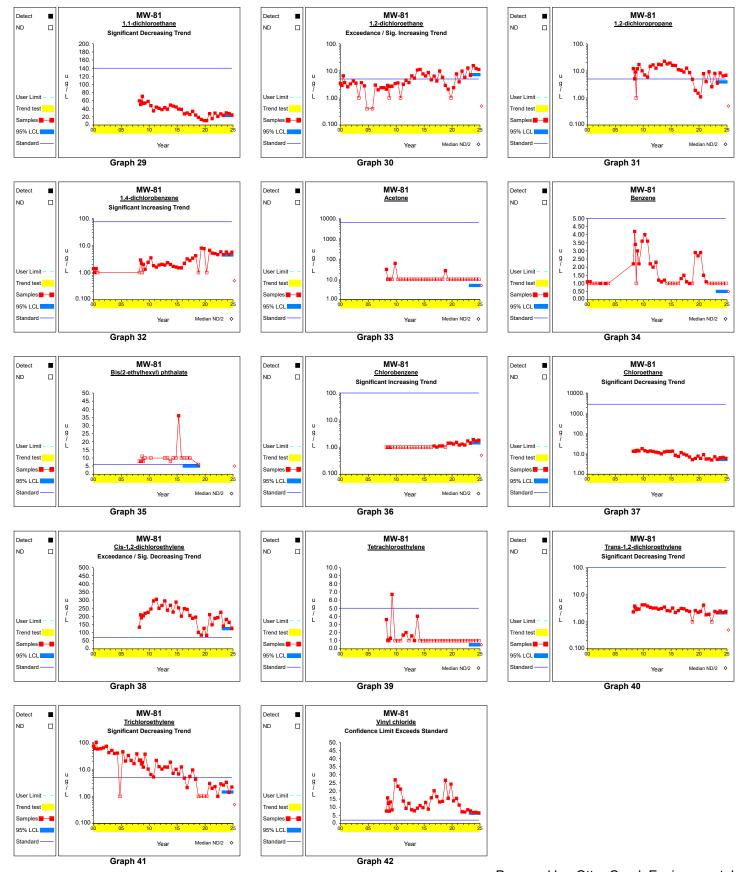
Table 1 Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

| 1,2-dichloropropane | | Well | N | Mean | SD | Factor | 95% LCL | 95% UCL | Standard | Trend | |
|-----------------------------|------|--------|---|--------|--------|--------|---------|---------|----------|-------|---|
| | ug/L | MW-94 | 4 | 1.425 | 0.544 | 1.176 | 0.785 | 2.065 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | MW-94 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| Acetone | ug/L | MW-94 | 4 | 7.650 | 5.300 | 1.176 | 1.416 | 13.884 | 6300.000 | | |
| Benzene | ug/L | MW-94 | 4 | 1.850 | 0.129 | 1.176 | 1.698 | 2.002 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-94 | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6.000 | | |
| Chlorobenzene | ug/L | MW-94 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Chloroethane | ug/L | MW-94 | 4 | 3.950 | 0.666 | 1.176 | 3.167 | 4.733 | 2800.000 | dec | |
| Cis-1,2-dichloroethylene | ug/L | MW-94 | 4 | 13.000 | 11.275 | 1.176 | 0.000 | 26.262 | 70.000 | dec | |
| Tetrachloroethylene | ug/L | MW-94 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 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 | 2.075 | 0.096 | 1.176 | 1.962 | 2.188 | 2.000 | dec | |
| 1,1-dichloroethane | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | | |
| 1,2-dichloroethane | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,2-dichloropropane | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| Acetone | ug/L | MW-95 | 4 | 6.425 | 2.850 | 1.176 | 3.073 | 9.777 | 6300.000 | | |
| Benzene | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-95 | 0 | | | | | | | | * |
| Chlorobenzene | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Chloroethane | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2800.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 70.000 | | |
| Tetrachloroethylene | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinyl chloride | ug/L | MW-95 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |
| 1,1-dichloroethane | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | | |
| 1,2-dichloroethane | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,2-dichloropropane | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1.4-dichlorobenzene | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| Acetone | ug/L | MW-96R | 4 | 5.000 | 0.000 | 1.176 | 5.000 | 5.000 | 6300.000 | | |
| Benzene | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-96R | 2 | | | | | | | | * |
| Chlorobenzene | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Chloroethane | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2800.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 70.000 | | |
| Tetrachloroethylene | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinyl chloride | ug/L | MW-96R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |

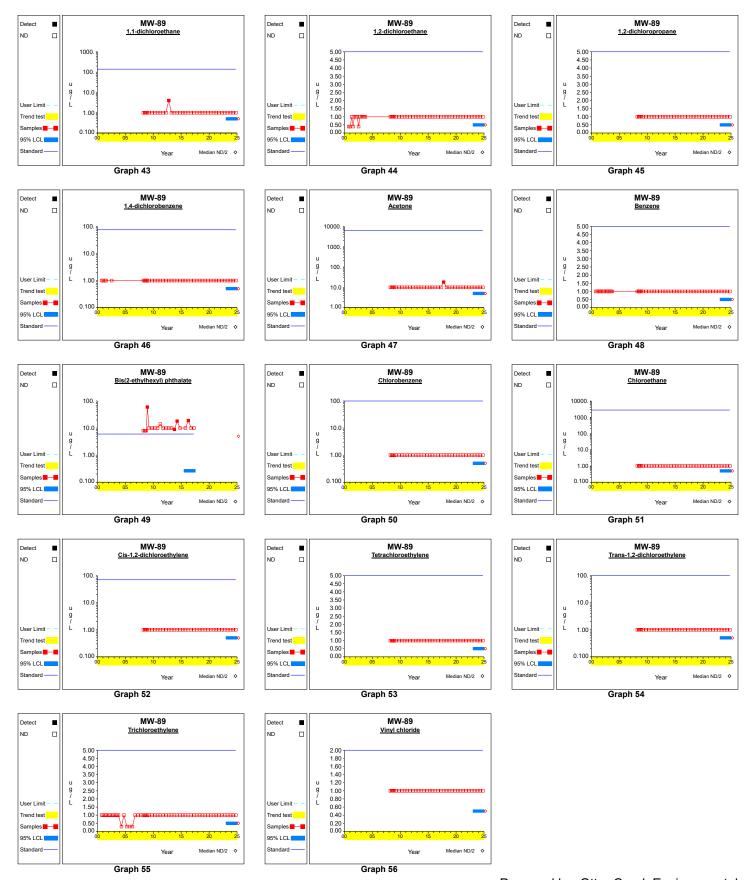
^{* -} Insufficient Data ** - Significant Exceedance LCL = Lower Confidence Limit UCL = Upper Confidence Limit

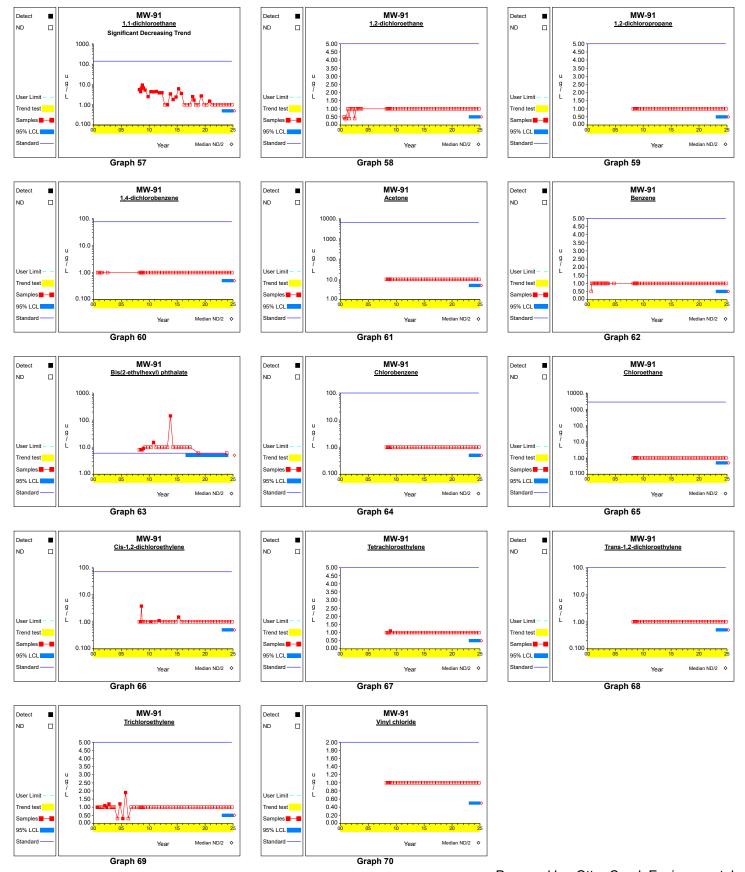


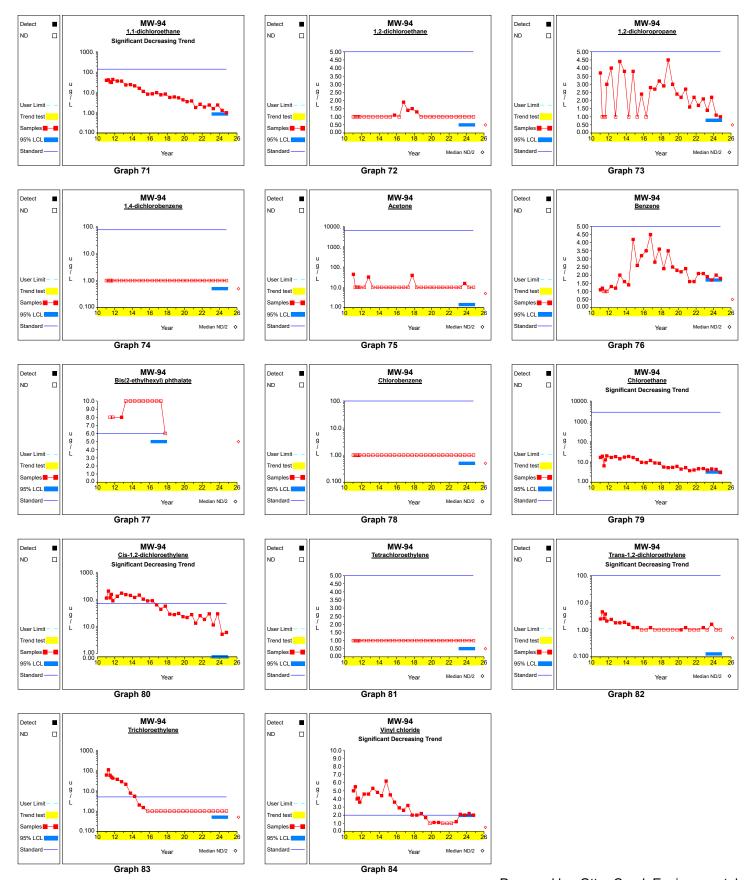




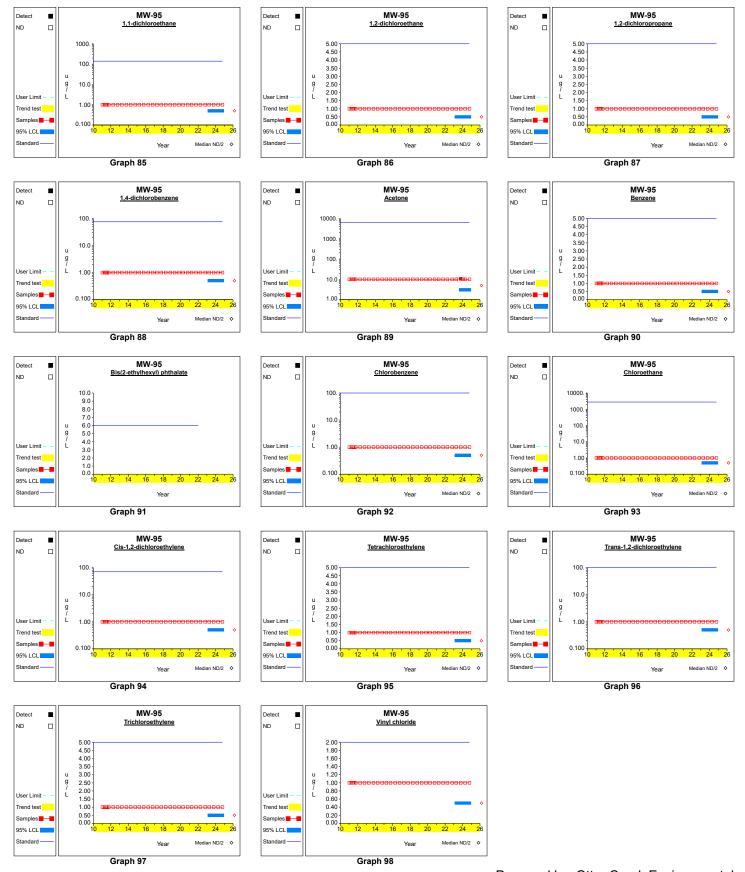
Prepared by: Otter Creek Environmental

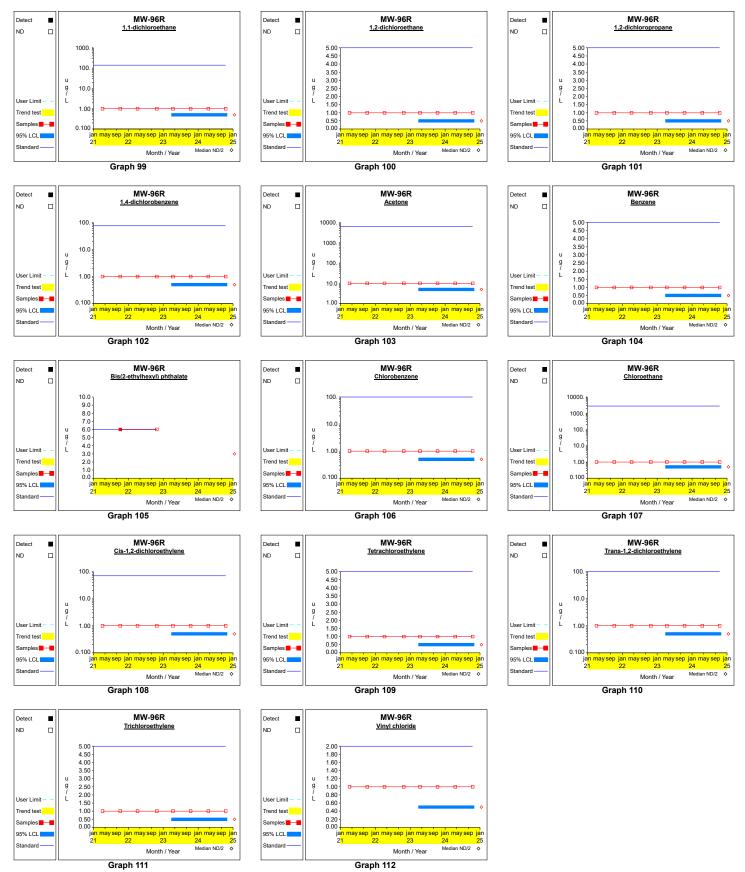






Prepared by: Otter Creek Environmental

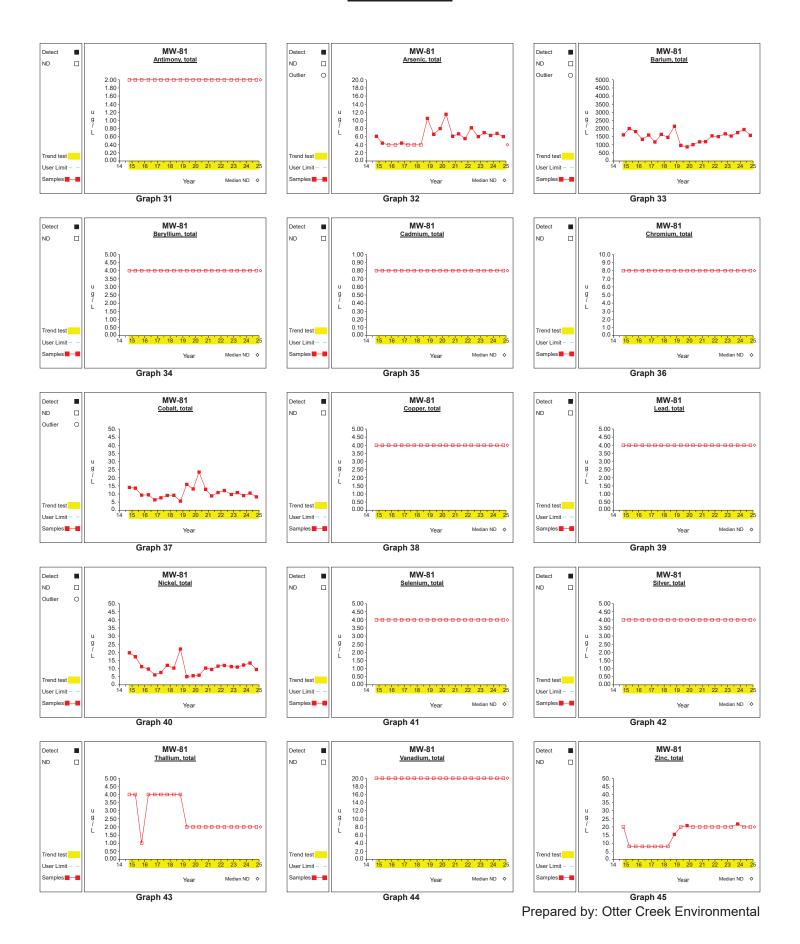


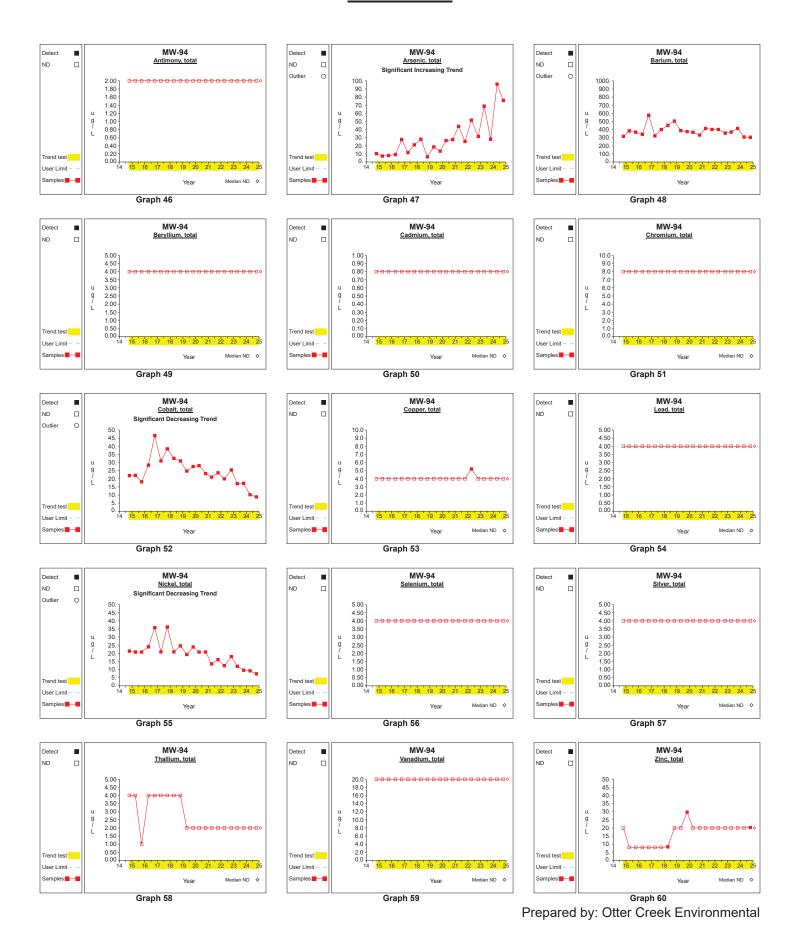


Appendix B.3 – Time Series Graphs/Trend Evaluation – Supplemental Wells

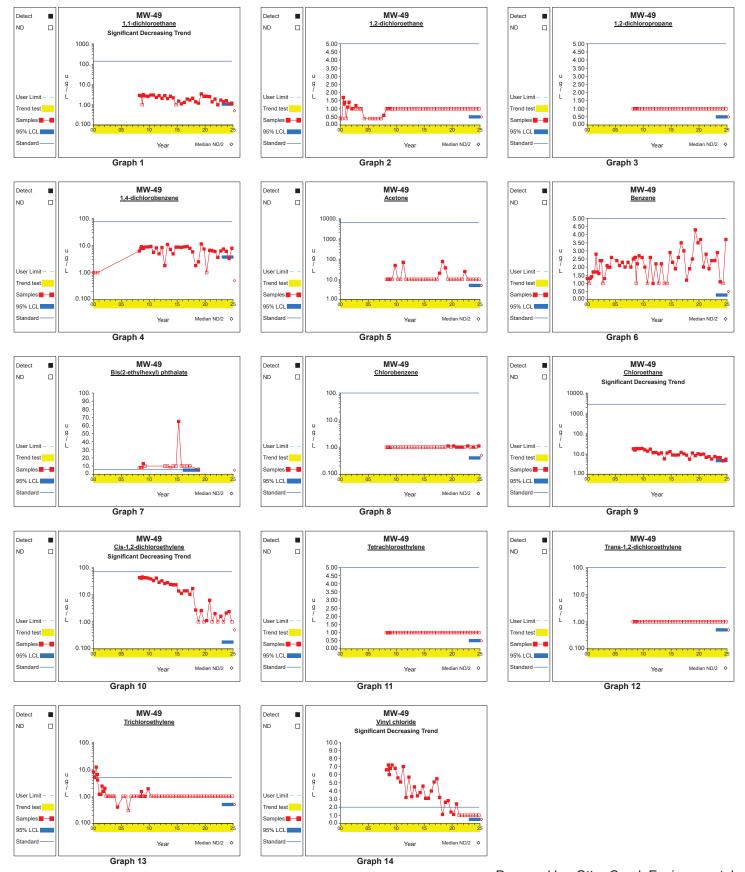


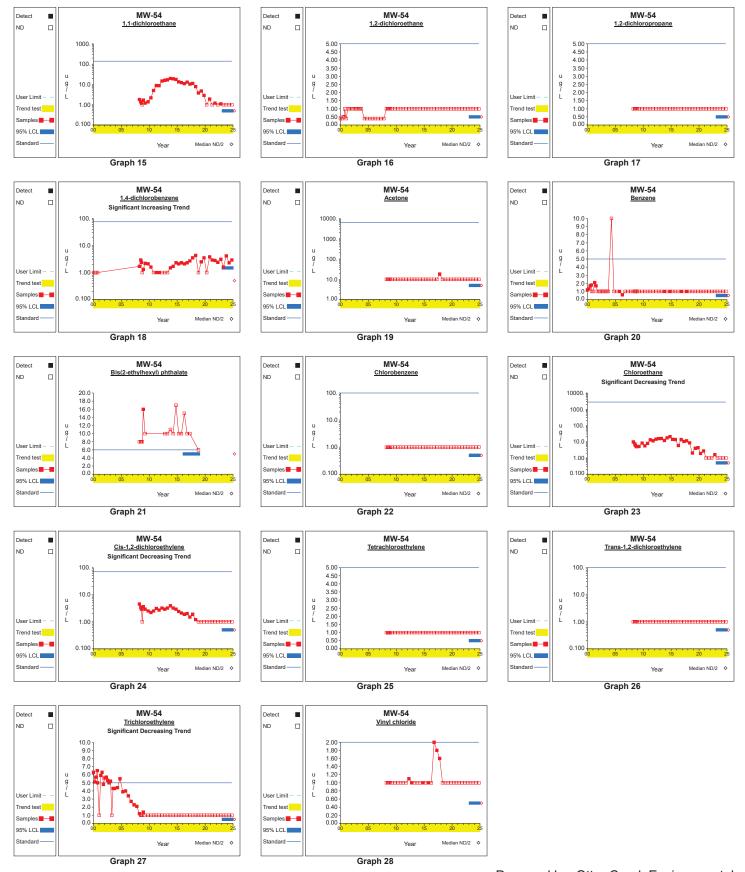


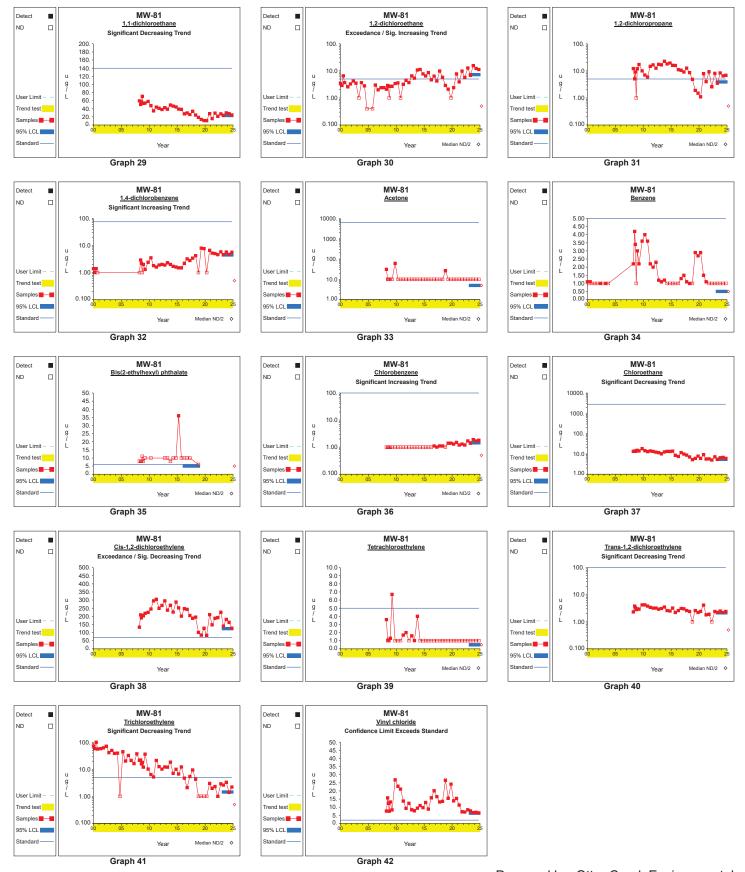




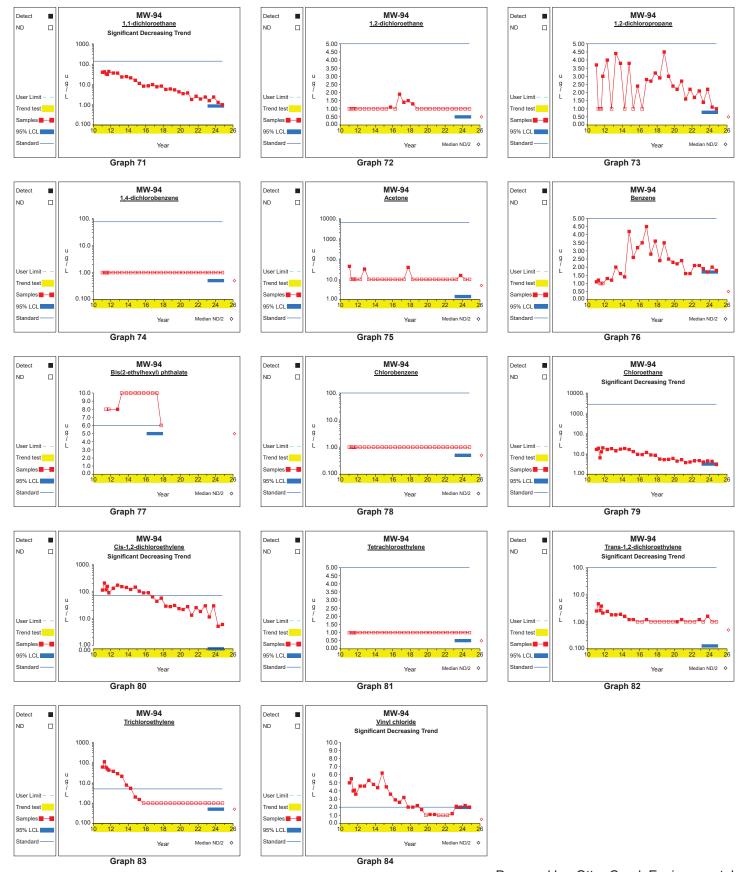


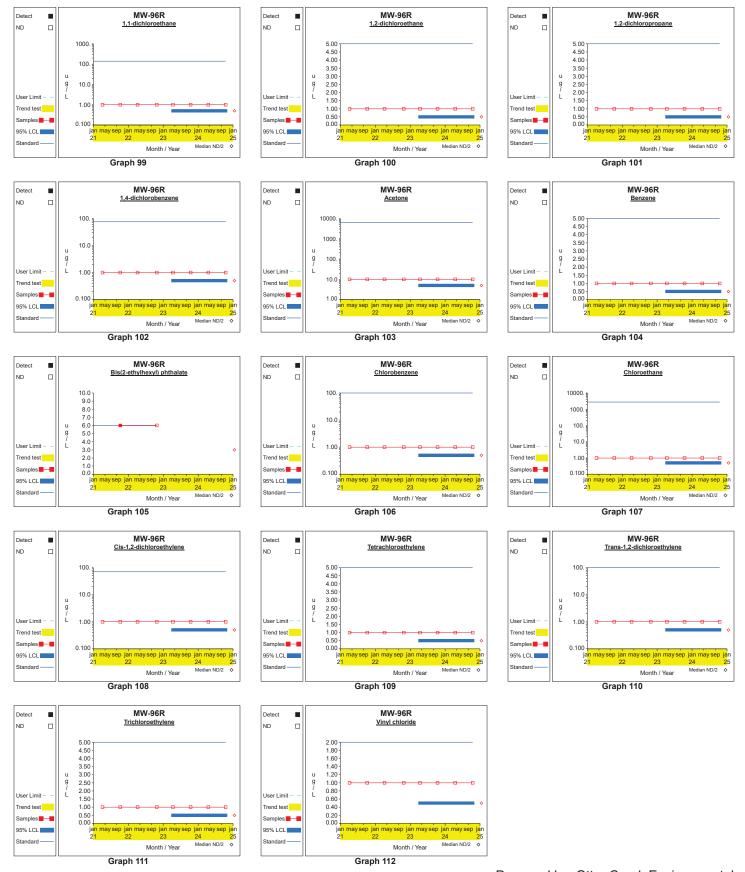






Prepared by: Otter Creek Environmental





Appendix C

Laboratory Reports for Reporting Period
With Chain of Custody



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS 1HD1532

Project Description

6003

For:

Todd Whipple

HLW Engineering

PO Box 314

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Monday, May 20, 2024

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

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

Microbac Laboratories, Inc.



HLW Engineering

Project Name: 6003

Todd Whipple PO Box 314 Story City, IA 50248 Project / PO Number: N/A Received: 04/18/2024 Reported: 05/20/2024

Sample Summary Report

| Sample Name | Laboratory ID | Client Matrix | Sample Type | Sample Begin | Sample Taken | Lab Received |
|--------------|---------------|---------------|-------------|--------------|----------------|----------------|
| MW-66 (B) | 1HD1532-01 | Aqueous | GRAB | | 04/17/24 07:51 | 04/18/24 09:39 |
| MW-85 (B) | 1HD1532-02 | Aqueous | GRAB | | 04/17/24 07:51 | 04/18/24 09:39 |
| MW-98 (B) | 1HD1532-03 | Aqueous | GRAB | | 04/17/24 09:48 | 04/18/24 09:39 |
| MW-99 (B) | 1HD1532-04 | Aqueous | GRAB | | 04/18/24 00:00 | 04/18/24 09:39 |
| MW-49 | 1HD1532-05 | Aqueous | GRAB | | 04/17/24 09:10 | 04/18/24 09:39 |
| MW-54 | 1HD1532-06 | Aqueous | GRAB | | 04/17/24 08:46 | 04/18/24 09:39 |
| MW-81 | 1HD1532-07 | Aqueous | GRAB | | 04/16/24 11:20 | 04/18/24 09:39 |
| MW-87 | 1HD1532-08 | Aqueous | GRAB | | 04/16/24 11:02 | 04/18/24 09:39 |
| MW-91 | 1HD1532-09 | Aqueous | GRAB | | 04/16/24 10:05 | 04/18/24 09:39 |
| MW-93 | 1HD1532-10 | Aqueous | GRAB | | 04/16/24 11:43 | 04/18/24 09:39 |
| MW-94 | 1HD1532-11 | Aqueous | GRAB | | 04/17/24 08:29 | 04/18/24 09:39 |
| MW-95 | 1HD1532-12 | Aqueous | GRAB | | 04/17/24 07:35 | 04/18/24 09:39 |
| MW-96R | 1HD1532-13 | Aqueous | GRAB | | 04/16/24 07:55 | 04/18/24 09:39 |
| MW-97 | 1HD1532-14 | Aqueous | GRAB | | 04/17/24 08:09 | 04/18/24 09:39 |
| SRAMP B Tile | 1HD1532-15 | Aqueous | GRAB | | 04/16/24 08:30 | 04/18/24 09:39 |
| Duplicate | 1HD1532-16 | Aqueous | GRAB | | 04/16/24 00:00 | 04/18/24 09:39 |
| MW-89 | 1HD1532-17 | Aqueous | GRAB | | 04/16/24 10:44 | 04/18/24 09:39 |



Analytical Testing Parameters

 Client Sample ID:
 MW-85 (B)

 Sample Matrix:
 Aqueous
 Collected By:
 Whipple, Todd

 Lab Sample ID:
 1HD1532-02
 Collection Date:
 04/17/2024 7:51

| Determination of Volatile Organic | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|------|-------|----|------|---------------|---------------|---------|
| Compounds | | | | | | · | | |
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |



1HD1532

 Client Sample ID:
 MW-85 (B)

 Sample Matrix:
 Aqueous
 Collected By:
 Whipple, Todd

 Lab Sample ID:
 1HD1532-02
 Collection Date:
 04/17/2024 7:51

| Lab Sample ID: 1HD1532-02 | | | | | Collection | Date: 04/17/ | 2024 7:51 | |
|--|---------|---------------|-------|----|------------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Surrogate: Dibromofluoromethane | 99.1 | Limit: 80-126 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Surrogate: Dibromofluoromethane | 99.1 | Limit: 75-136 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 102 | Limit: 61-142 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 102 | Limit: 63-138 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Surrogate: Toluene-d8 | 98.2 | Limit: 87-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Surrogate: Toluene-d8 | 98.2 | Limit: 82-121 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.5 | Limit: 80-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.5 | Limit: 85-111 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1439 | LJS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Barium, total | 0.144 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Cobalt, total | 0.0004 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2320 | JAR |



Client Sample ID:MW-98 (B)Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-03Collection Date:04/17/2024 9:48

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1502 | LJS |



 Client Sample ID:
 MW-98 (B)

 Sample Matrix:
 Aqueous
 Collected By:
 Whipple, Todd

 Lab Sample ID:
 1HD1532-03
 Collection Date:
 04/17/2024
 9:48

| Lab Sample ID: 1HD1532-03 | | | | | Collection | • | /17/2024 9:48 | |
|---|--------------------|------------------|--------------|--------|------------|-----------------|------------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| Surrogate: Dibromofluoromethane | 100 | Limit: 75-136 | % Rec | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| Surrogate: Dibromofluoromethane | 100 | Limit: 80-126 | % Rec | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 61-142 | % Rec | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 63-138 | % Rec | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| Surrogate: Toluene-d8 | 98.5 | Limit: 82-121 | % Rec | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| Surrogate: Toluene-d8 | 98.5 | Limit: 87-116 | % Rec | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.7 | Limit: 80-116 | % Rec | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.7 | Limit: 85-111 | % Rec | 1 | | 04/22/24 00 | 00 04/22/24 1502 | LJS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Arsenic, total | 0.0480 | 0.0040 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Barium, total | 0.325 | 0.0040 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Beryllium, total | < 0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Cobalt, total | 0.0047 | 0.0004 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Nickel, total | < 0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Thallium, total | | | _ | | | 0.4/0.4/0.4 0.7 | | IAD |
| | < 0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 07 | 16 04/25/24 2326 | JAR |
| Vanadium, total | <0.0020 <0.0200 | 0.0020 0.0200 | mg/L mg/L | 4 4 | | 04/24/24 07 | | JAR |



 Client Sample ID:
 MW-99 (B)

 Sample Matrix:
 Aqueous
 Collected By:

 Lab Sample ID:
 1HD1532-04
 Collection Date:
 04/18/2024

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| | | | | | | | | |



Client Sample ID: MW-99 (B)

Sample Matrix: Aqueous Collected By:

| Lab Sample ID: 1HD1532-04 | | | | | Collection | Date: 04/18 | /2024 | |
|---|---------|---------------|----------|----|------------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Surrogate: Dibromofluoromethane | 92.6 | Limit: 75-136 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Surrogate: Dibromofluoromethane | 92.6 | Limit: 80-126 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 94.5 | Limit: 63-138 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 94.5 | Limit: 61-142 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Surrogate: Toluene-d8 | 98.2 | Limit: 82-121 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Surrogate: Toluene-d8 | 98.2 | Limit: 87-116 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Surrogate: 4-Bromofluorobenzene | 95.7 | Limit: 85-111 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Surrogate: 4-Bromofluorobenzene | 95.7 | Limit: 80-116 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1540 | LJS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Barium, total | 0.164 | 0.0040 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Cobalt, total | 0.0041 | 0.0004 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Nickel, total | 0.0063 | 0.0040 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 1610 | 04/26/24 0231 | JAR |
| Zinc, total | <0.0200 | 0.0200 | ··· 3· = | • | | = = | | |



Client Sample ID:MW-49Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-05Collection Date:04/17/2024 9:10

| Determination of Volatile Organic | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|------|-------|----|------|---------------|---------------|---------|
| Compounds EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Chloroethane | 4.6 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,1-Dichloroethane | 1.1 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| cis-1,2-Dichloroethylene | 2.4 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |



Client Sample ID:MW-49Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-05Collection Date:04/17/2024 9:10

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|---------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,4-Dichlorobenzene | 3.3 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Surrogate: Dibromofluoromethane | 102 | Limit: 80-126 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Surrogate: Dibromofluoromethane | 102 | Limit: 75-136 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 61-142 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 63-138 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Surrogate: Toluene-d8 | 97.8 | Limit: 87-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Surrogate: Toluene-d8 | 97.8 | Limit: 82-121 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Surrogate: 4-Bromofluorobenzene | 99.1 | Limit: 80-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Surrogate: 4-Bromofluorobenzene | 99.1 | Limit: 85-111 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1525 | LJS |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| 2320B | | | | | | | | |
| Alkalinity, as CaCO3 | 652 | 50 | mg/L | 1 | | 04/23/24 0918 | 04/23/24 1300 | BSS |
| EPA 9040 | | | | | | | | |
| рН | 6.5 | 0.5 | рН | 1 | I-03 | 04/23/24 0916 | 04/23/24 1347 | BSS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Arsenic, total | 0.0537 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Barium, total | 0.429 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Cadmium, total | 0.0009 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Cobalt, total | 0.0058 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Copper, total | 0.0075 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Nickel, total | 0.0162 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |
| | | | J. | | | | | - |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2332 | JAR |



Client Sample ID:MW-54Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-06Collection Date:04/17/20248:46

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |



Client Sample ID:MW-54Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-06Collection Date:04/17/2024 8:46

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------------------|------------------|-------|----|------|----------------|---------------|---------|
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,4-Dichlorobenzene | 2.3 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Surrogate: Dibromofluoromethane | 103 | Limit: 80-126 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Surrogate: Dibromofluoromethane | 103 | Limit: 75-136 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 106 | Limit: 63-138 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 106 | Limit: 61-142 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Surrogate: Toluene-d8 | 98.0 | Limit: 82-121 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Surrogate: Toluene-d8 | 98.0 | Limit: 87-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Surrogate: 4-Bromofluorobenzene | 98.5 | Limit: 85-111 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Surrogate: 4-Bromofluorobenzene | 98.5 | Limit: 80-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1548 | LJS |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| 2320B | | | | | | | | |
| Alkalinity, as CaCO3 | 512 | 10 | mg/L | 1 | | 04/23/24 0918 | 04/23/24 1300 | BSS |
| EPA 9040 | | | J | | | | | |
| pH | 6.7 | 0.5 | рН | 1 | I-03 | 04/23/24 0916 | 04/23/24 1347 | BSS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| Arsenic, total | 0.0048 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| Barium, total | 0.449 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| Cobalt, total | 0.0106 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| Nickel, total | 0.0224 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| | | | • | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| Selenium, total | < 0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 07 10 | U+/23/24 2330 | |
| Selenium, total Silver, total | <0.0040 <0.0040 | 0.0040 0.0040 | • | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2338 | JAR |
| | | | • | | | | | |



Client Sample ID:MW-81Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-07Collection Date:04/16/2024 11:20

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Vinyl Chloride | 6.8 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Chloroethane | 6.8 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| trans-1,2-Dichloroethylene | 2.2 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,1-Dichloroethane | 28.2 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| cis-1,2-Dichloroethylene | 164 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,2-Dichloroethane | 12.3 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Trichloroethylene | 1.4 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,2-Dichloropropane | 6.5 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Chlorobenzene | 1.7 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |



Client Sample ID:MW-81Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-07Collection Date:04/16/2024 11:20

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|---------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,4-Dichlorobenzene | 4.7 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Surrogate: Dibromofluoromethane | 102 | Limit: 75-136 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Surrogate: Dibromofluoromethane | 102 | Limit: 80-126 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 104 | Limit: 61-142 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 104 | Limit: 63-138 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Surrogate: Toluene-d8 | 98.5 | Limit: 82-121 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Surrogate: Toluene-d8 | 98.5 | Limit: 87-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Surrogate: 4-Bromofluorobenzene | 98.9 | Limit: 80-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Surrogate: 4-Bromofluorobenzene | 98.9 | Limit: 85-111 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1610 | LJS |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| 2320B | | | | | | | | |
| Alkalinity, as CaCO3 | 886 | 50 | mg/L | 1 | | 04/23/24 0918 | 04/23/24 1300 | BSS |
| EPA 9040 | | | 3 | | | | | |
| рН | 6.6 | 0.5 | рН | 1 | I-03 | 04/23/24 0916 | 04/23/24 1347 | BSS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Arsenic, total | 0.0068 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Barium, total | 1.94 | 0.0100 | mg/L | 10 | | 04/24/24 0716 | 04/26/24 0748 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Cobalt, total | 0.0105 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Nickel, total | 0.0134 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2345 | JAR |



Client Sample ID: MW-87

Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-08Collection Date:04/16/2024 11:02

| Determination of Volatile Organic | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|------|-------|----|------|---------------|---------------|---------|
| Compounds EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |



 Client Sample ID:
 MW-87

 Sample Matrix:
 Aqueous
 Collected By:
 Whipple, Todd

 Lab Sample ID:
 1HD1532-08
 Collection Date:
 04/16/2024 11:02

| Lab Sample ID: 1HD1532-08 | | | | | Collection | Date: 04/16/ | 2024 11:02 | |
|---|---------|---------------|-------|----|------------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Surrogate: Dibromofluoromethane | 103 | Limit: 75-136 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Surrogate: Dibromofluoromethane | 103 | Limit: 80-126 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 106 | Limit: 63-138 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 106 | Limit: 61-142 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Surrogate: Toluene-d8 | 98.7 | Limit: 82-121 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Surrogate: Toluene-d8 | 98.7 | Limit: 87-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Surrogate: 4-Bromofluorobenzene | 98.3 | Limit: 80-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Surrogate: 4-Bromofluorobenzene | 98.3 | Limit: 85-111 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1633 | LJS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Barium, total | 0.117 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2351 | JAR |
| • | | | | | | | | |



Client Sample ID:MW-91Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-09Collection Date:04/16/2024 10:05

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |



 Client Sample ID:
 MW-91

 Sample Matrix:
 Aqueous
 Collected By:
 Whipple, Todd

 Lab Sample ID:
 1HD1532-09
 Collection Date:
 04/16/2024 10:05

| Lab Sample ID: 1HD1532-09 | | | | | Collection | Date: 04/16/ | 2024 10:05 | |
|---|----------|---------------|-------|----|------------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Surrogate: Dibromofluoromethane | 105 | Limit: 75-136 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Surrogate: Dibromofluoromethane | 105 | Limit: 80-126 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 107 | Limit: 63-138 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 107 | Limit: 61-142 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Surrogate: Toluene-d8 | 98.3 | Limit: 82-121 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Surrogate: Toluene-d8 | 98.3 | Limit: 87-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.2 | Limit: 85-111 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.2 | Limit: 80-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1656 | LJS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Barium, total | 0.186 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Nickel, total | < 0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2357 | JAR |



Client Sample ID:MW-93Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-10Collection Date:04/16/2024 11:43

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |



Client Sample ID:MW-93Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-10Collection Date:04/16/2024 11:43

| Lab Sample ID: 1HD1532-10 | | | | | Collection | Date: 04/16/ | 2024 11:43 | |
|---|---------|---------------|-------|----|------------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Surrogate: Dibromofluoromethane | 105 | Limit: 75-136 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Surrogate: Dibromofluoromethane | 105 | Limit: 80-126 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 107 | Limit: 63-138 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 107 | Limit: 61-142 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Surrogate: Toluene-d8 | 99.1 | Limit: 82-121 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Surrogate: Toluene-d8 | 99.1 | Limit: 87-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.9 | Limit: 85-111 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.9 | Limit: 80-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1719 | LJS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Arsenic, total | 0.0119 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Barium, total | 0.243 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Cobalt, total | 0.0098 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Nickel, total | 0.0255 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |
| Zinc, total | 0.0214 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0003 | JAR |



Client Sample ID:MW-94Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-11Collection Date:04/17/2024 8:29

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Vinyl Chloride | 2.2 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Chloroethane | 4.3 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,1-Dichloroethane | 1.3 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| cis-1,2-Dichloroethylene | 5.2 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Benzene | 2.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,2-Dichloropropane | 1.1 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |



Client Sample ID:MW-94Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-11Collection Date:04/17/2024 8:29

| Determination of Volatile Organic | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|----------------|---------------|---------|----|-------|---------------|---------------|---------|
| Compounds | resuit | | J.1110 | | 11016 | riepaieu | Analyzeu | Analyst |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Surrogate: Dibromofluoromethane | 103 | Limit: 75-136 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Surrogate: Dibromofluoromethane | 103 | Limit: 80-126 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 106 | Limit: 61-142 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 106 | Limit: 63-138 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Surrogate: Toluene-d8 | 98.8 | Limit: 87-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Surrogate: Toluene-d8 | 98.8 | Limit: 82-121 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Surrogate: 4-Bromofluorobenzene | 98.1 | Limit: 80-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Surrogate: 4-Bromofluorobenzene | 98.1 | Limit: 85-111 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1741 | LJS |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| 2320B | | | | | | | | |
| Alkalinity, as CaCO3 | 698 | 50 | mg/L | 1 | | 04/23/24 0918 | 04/23/24 1300 | BSS |
| EPA 9040 | | | | | | | | |
| рН | 6.6 | 0.5 | рН | 1 | I-03 | 04/23/24 0916 | 04/23/24 1347 | BSS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| Arsenic, total | 0.0959 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| Barium, total | 0.308 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| Cobalt, total | 0.0102 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| Nickel, total | 0.0092 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| · | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |
| I hallium, total | \U.UUZU | 0.0020 | 1114/ L | | | | | |
| Thallium, total Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0009 | JAR |



Client Sample ID:MW-95Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-12Collection Date:04/17/2024 7:35

| Determination of Volatile Organic | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|------|-------|----|------|---------------|---------------|---------|
| Compounds EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | O-07 | 04/25/24 0000 | 04/25/24 1645 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |



Client Sample ID:MW-95Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-12Collection Date:04/17/2024 7:35

| Lab Sample ID: 1HD1532-12 | | | | | Collection | Date: 04/17/ | 2024 7:35 | |
|--|----------|---------------|-------|----|------------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Surrogate: Dibromofluoromethane | 91.2 | Limit: 75-136 | % Rec | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Surrogate: Dibromofluoromethane | 91.2 | Limit: 80-126 | % Rec | 1 | O-07 | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 97.5 | Limit: 61-142 | % Rec | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 97.5 | Limit: 63-138 | % Rec | 1 | O-07 | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Surrogate: Toluene-d8 | 98.0 | Limit: 87-116 | % Rec | 1 | O-07 | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Surrogate: Toluene-d8 | 98.0 | Limit: 82-121 | % Rec | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Surrogate: 4-Bromofluorobenzene | 99.4 | Limit: 80-116 | % Rec | 1 | | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Surrogate: 4-Bromofluorobenzene | 99.4 | Limit: 85-111 | % Rec | 1 | O-07 | 04/25/24 0000 | 04/25/24 1645 | LJS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Barium, total | 0.0427 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Beryllium, total | < 0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0015 | JAR |



1HD1532

Client Sample ID:MW-96RSample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-13Collection Date:04/16/2024 7:55

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |



Client Sample ID:MW-96RSample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-13Collection Date:04/16/20247:55

| Lab Sample ID: 1HD1532-13 | | | | | Collection | Date: 04/16/ | 2024 7:55 | |
|---|---------|---------------|-------|----|------------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Surrogate: Dibromofluoromethane | 103 | Limit: 75-136 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Surrogate: Dibromofluoromethane | 103 | Limit: 80-126 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 108 | Limit: 61-142 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 108 | Limit: 63-138 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Surrogate: Toluene-d8 | 99.1 | Limit: 87-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Surrogate: Toluene-d8 | 99.1 | Limit: 82-121 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Surrogate: 4-Bromofluorobenzene | 98.5 | Limit: 80-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Surrogate: 4-Bromofluorobenzene | 98.5 | Limit: 85-111 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1804 | LJS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Barium, total | 0.124 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Cobalt, total | 0.0018 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Nickel, total | 0.0053 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Selenium, total | 0.0074 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0034 | JAR |
| Zinc, total | <0.0200 | 0.0200 | mg/L | | | | | JAR |



Client Sample ID:MW-97Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-14Collection Date:04/17/2024 8:09

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |



Client Sample ID:MW-97Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-14Collection Date:04/17/20248:09

| Lab Sample ID: 1HD1532-14 | | | | | Collection | Date: 04/17/ | 2024 8:09 | |
|---|---------|---------------|-------|----|------------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Surrogate: Dibromofluoromethane | 97.1 | Limit: 80-126 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Surrogate: Dibromofluoromethane | 97.1 | Limit: 75-136 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 101 | Limit: 63-138 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 101 | Limit: 61-142 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Surrogate: Toluene-d8 | 97.3 | Limit: 82-121 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Surrogate: Toluene-d8 | 97.3 | Limit: 87-116 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Surrogate: 4-Bromofluorobenzene | 95.4 | Limit: 85-111 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Surrogate: 4-Bromofluorobenzene | 95.4 | Limit: 80-116 | % Rec | 1 | | 04/23/24 0000 | 04/23/24 1626 | LJS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Barium, total | 0.315 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Copper, total | 0.0071 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0040 | JAR |
| Zinc, total | | | 0 | | | | | |



1HD1532

Client Sample ID:SRAMP B TileSample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-15Collection Date:04/16/2024 8:30

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| | | | | | | | | |



Client Sample ID:SRAMP B TileSample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-15Collection Date:04/16/20248:3

| Lab Sample ID: 1HD1532-15 | | | | | Collection | Date: 04/16/ | 2024 8:30 | |
|--|---------|---------------|-------|----|------------|---------------|---------------|---------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Surrogate: Dibromofluoromethane | 105 | Limit: 80-126 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Surrogate: Dibromofluoromethane | 105 | Limit: 75-136 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 108 | Limit: 63-138 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 108 | Limit: 61-142 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Surrogate: Toluene-d8 | 98.5 | Limit: 82-121 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Surrogate: Toluene-d8 | 98.5 | Limit: 87-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.8 | Limit: 85-111 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.8 | Limit: 80-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1827 | LJS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Barium, total | 0.0161 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0046 | JAR |



1HD1532

Client Sample ID:DuplicateSample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-16Collection Date:04/16/2024

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|---------|--------|-------|----|------|---------------|---------------|---------|
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Barium, total | 0.130 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Cobalt, total | 0.0019 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Nickel, total | 0.0052 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Selenium, total | 0.0076 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0052 | JAR |
| | | | | | | | | |



1HD1532

Client Sample ID:MW-89Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1532-17Collection Date:04/16/2024 10:44

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |



1HD1532

Client Sample ID: MW-89

Sample Matrix: Aqueous Collected By: Whipple, Todd
Lab Sample ID: 1HD1532-17 Collection Date: 04/16/2024 10:44

| Lab Sample ID: 1HD1532-17 | | | | | Collection | Date: 04/16/ | 2024 10:44 | |
|---|---------|---------------|-------|----|------------|---------------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Surrogate: Dibromofluoromethane | 105 | Limit: 80-126 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Surrogate: Dibromofluoromethane | 105 | Limit: 75-136 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 109 | Limit: 63-138 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Surrogate: 1,2-Dichloroethane-d4 | 109 | Limit: 61-142 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Surrogate: Toluene-d8 | 98.4 | Limit: 87-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Surrogate: Toluene-d8 | 98.4 | Limit: 82-121 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.2 | Limit: 85-111 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Surrogate: 4-Bromofluorobenzene | 97.2 | Limit: 80-116 | % Rec | 1 | | 04/22/24 0000 | 04/22/24 1850 | LJS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Barium, total | 0.240 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 04/24/24 0716 | 04/26/24 0058 | JAR |



Batch Log Summary

| Method | Batch | Laboratory ID | Client / Source ID |
|----------------------------|-------------------------|--|---|
| EPA 8260B | 1HD1347 | 1HD1347-BS1 | |
| | | 1HD1347-BSD1 | |
| | | 1HD1347-BLK1 | |
| | | 1HD1532-02 | MW-85 (B) |
| | | 1HD1532-03 | MW-98 (B) |
| | | 1HD1532-05 | MW-49 |
| | | 1HD1532-06 | MW-54 |
| | | 1HD1532-07 | MW-81 |
| | | 1HD1532-08 | MW-87 |
| | | 1HD1532-09 | MW-91 |
| | | 1HD1532-10 | MW-93 |
| | | 1HD1532-11 | MW-94 |
| | | 1HD1532-13 | MW-96R |
| | | 1HD1532-15 | SRAMP B Tile |
| | | 1HD1532-17 | MW-89 |
| | | 1HD1347-MS1 | 1HD1532-07 |
| | | 1HD1347-MSD1 | 1HD1532-07 |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 9040 | 1HD1357 | 1HD1357-SRM2 | |
| | | 1HD1357-SRM1 | |
| | | 1HD1357-DUP1 | 1HD1532-05 |
| | | 1HD1532-05 | MW-49 |
| | | 1HD1532-06 | MW-54 |
| | | 1HD1532-07 | MW-81 |
| | | 1HD1532-11 | MW-94 |
| Method | Batch | Laboratory ID | Client / Source ID |
| 2320B | 1HD1358 | 1HD1532-06 | MW-54 |
| | | | |
| | | | |
| | | 1HD1358-BS1 | |
| | | 1HD1358-BS1 1HD1358-MS1 | 1HD1532-05 |
| | | 1HD1358-BS1 1HD1358-MS1 1HD1358-BLK1 | 1HD1532-05 |
| | | 1HD1358-BS1 1HD1358-MS1 1HD1358-BLK1 1HD1532-05 | |
| | | 1HD1358-BS1 1HD1358-MS1 1HD1358-BLK1 | 1HD1532-05 MW-49 |
| | | 1HD1358-BS1 1HD1358-MS1 1HD1358-BLK1 1HD1532-05 1HD1532-07 | 1HD1532-05 MW-49 MW-81 |
| Method | Batch | 1HD1358-BS1 1HD1358-MS1 1HD1358-BLK1 1HD1532-05 1HD1532-07 1HD1532-11 1HD1358-MSD1 | 1HD1532-05 MW-49 MW-81 MW-94 |
| Method EPA 8260B | Batch 1HD1408 | 1HD1358-BS1 1HD1358-MS1 1HD1358-BLK1 1HD1532-05 1HD1532-07 1HD1532-11 | 1HD1532-05 MW-49 MW-81 MW-94 1HD1532-05 |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HD1532

| EPA 8260B | 1HD1408 | 1HD1408-BLK1 | | |
|-----------|----------|---------------------|--------------------|--|
| | | 1HD1532-04 | MW-99 (B) | |
| | | 1HD1532-14 | MW-97 | |
| | | 1HD1408-MS1 | 1HD1532-04 | |
| | | 1HD1408-MSD1 | 1HD1532-04 | |
| Method | Batch | Laboratory ID | Client / Source ID | |
| EPA 6020A | 1HD1412 | 1HD1412-BLK1 | | |
| | | 1HD1412-BS1 | | |
| | | 1HD1412-MS1 | 1HD1511-01 | |
| | | 1HD1412-MSD1 | 1HD1511-01 | |
| | | 1HD1412-PS1 | 1HD1511-01 | |
| | | 1HD1532-02 | MW-85 (B) | |
| | | 1HD1532-03 | MW-98 (B) | |
| | | 1HD1532-05 | MW-49 | |
| | | 1HD1532-06 | MW-54 | |
| | | 1HD1532-07 | MW-81 | |
| | | 1HD1532-08 | MW-87 | |
| | | 1HD1532-09 | MW-91 | |
| | | 1HD1532-10 | MW-93 | |
| | | 1HD1532-11 | MW-94 | |
| | | 1HD1532-12 | MW-95 | |
| | | 1HD1532-13 | MW-96R | |
| | | 1HD1532-14 | MW-97 | |
| | | 1HD1532-15 | SRAMP B Tile | |
| | | 1HD1532-16 | Duplicate | |
| | | 1HD1532-17 | MW-89 | |
| | | 1HD1532-07RE1 | MW-81 | |
| Method | Batch | Laboratory ID | Client / Source ID | |
| EPA 6020A | 1HD1478 | 1HD1478-BLK1 | | |
| | | 1HD1478-BS1 | | |
| | | 1HD1478-MS1 | 1HD0315-03RE3 | |
| | | 1HD1478-MSD1 | 1HD0315-03RE3 | |
| | | 1HD1478-PS1 | 1HD0315-03RE3 | |
| | | 1HD1532-04 | MW-99 (B) | |
| Method | Batch | Laboratory ID | Client / Source ID | |
| EPA 8260B | 1HD1572 | 1HD1572-BS1 | | |
| | 2 | 1HD1572-BSD1 | | |
| | | 1HD1572-BLK1 | | |
| | | 1HD1532-12 | MW-95 | |
| | | 1HD1532-12RE1 | MW-95 | |
| | | 1HD1572-MS1 | 1HD1698-01 | |
| | Microbas | _aboratories, Inc., | | |



CERTIFICATE OF ANALYSIS

1HD1532

EPA 8260B 1HD1572 1HD1572-MSD1 1HD1698-01

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

| | | | | Spike | Source | | %REC | | RPD | |
|---------------------------|--------|----|-------|-------|--------|------|--------|-----|-------|-------|
| Determination of Volatile | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Organic Compounds | | | | | | | | | | |

Batch 1HD1347 - EPA 5030B - EPA 8260B

| Blank (1HD1347-BLK1) | | | Prepared: 04/22/24 00:00 Analyzed: 04/22/24 13:28 |
|-----------------------------|-------|------|---|
| Chloromethane | <1.0 | 1.0 | ug/L |
| Vinyl Chloride | <1.0 | 1.0 | ug/L |
| Bromomethane | <1.0 | 1.0 | ug/L |
| Chloroethane | <1.0 | 1.0 | ug/L |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L |
| Acetone | <10.0 | 10.0 | ug/L |
| Methyl Iodide | <1.0 | 1.0 | ug/L |
| Carbon Disulfide | <1.0 | 1.0 | ug/L |
| Methylene Chloride | <5.0 | 5.0 | ug/L |
| Acrylonitrile | <5.0 | 5.0 | ug/L |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L |
| Vinyl Acetate | <5.0 | 5.0 | ug/L |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L |
| Bromochloromethane | <1.0 | 1.0 | ug/L |
| Chloroform | <1.0 | 1.0 | ug/L |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L |
| Benzene | <1.0 | 1.0 | ug/L |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L |
| Trichloroethylene | <1.0 | 1.0 | ug/L |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L |
| Dibromomethane | <1.0 | 1.0 | ug/L |
| Bromodichloromethane | <1.0 | 1.0 | ug/L |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L |
| Toluene | <1.0 | 1.0 | ug/L |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L |
| Dibromochloromethane | <1.0 | 1.0 | ug/L |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L |
| Chlorobenzene | <1.0 | 1.0 | ug/L |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L |
| Ethylbenzene | <1.0 | 1.0 | ug/L |
| Xylenes, total | <2.0 | 2.0 | ug/L |
| Styrene | <1.0 | 1.0 | ug/L |



CERTIFICATE OF ANALYSIS

1HD1532

Spike Source

| | | | | Spike | Source | | %REC | | RPD | |
|---|--------------|------|--------------|--------------|-------------|--------------|------------------|-----|-------|------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Note |
| Batch 1HD1347 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| Blank (1HD1347-BLK1) | | | Prepared: 04 | 4/22/24 00:0 | 0 Analyzed: | 04/22/24 1 | 3:28 | | | |
| Bromoform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | | | | | | |
| Surrogate: Dibromofluoromethane | 48.8 | | ug/L | 50.2 | | 97.3 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 48.8 | | ug/L | 50.2 | | 97.3 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.2 | | ug/L | 50.1 | | 100 | 61-142 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.2 | | ug/L | 50.1 | | 100 | 63-138 | | | |
| Surrogate: Toluene-d8 Surrogate: Toluene-d8 | 49.2 49.2 | | ug/L | 50.4 | | 97.7 97.7 | 87-116 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.2 49.7 | | ug/L ug/L | 50.4 50.1 | | 97.7 99.1 | 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.7 | | ug/L ug/L | 50.1 50.1 | | 99.1 | 80-116 | | | |
| .CS (1HD1347-BS1) | | | Prepared: 04 | | 0 Analyzed: | | | | | |
| Chloromethane | 28.57 | 1.0 | ug/L | 30.0 | | 95.1 | 63-155 | | | |
| Vinyl Chloride | 30.89 | 1.0 | ug/L | 30.0 | | 103 | 70-154 | | | |
| Bromomethane | 22.26 | 1.0 | ug/L | 30.1 | | 74.0 | 52-176 | | | |
| Chloroethane | 31.35 | 1.0 | ug/L | 30.0 | | 104 | 72-148 | | | |
| Trichlorofluoromethane | 29.88 | 1.0 | ug/L | 30.0 | | 99.6 | 70-152 | | | |
| 1,1-Dichloroethylene | 49.24 | 1.0 | ug/L | 50.1 | | 98.2 | 70-148 | | | |
| Acetone | 81.46 | 10.0 | ug/L | 100 | | 81.4 | 43-172 | | | |
| Methyl lodide | 94.04 | 1.0 | ug/L | 100 | | 93.9 | 69-170 | | | |
| Carbon Disulfide | 97.23 | 1.0 | ug/L | 100 | | 97.1 | 72-162 | | | |
| Methylene Chloride | 47.77 | 5.0 | ug/L | 50.2 | | 95.2 | 68-142 | | | |
| Acrylonitrile | 48.44 | 5.0 | ug/L | 50.0 | | 96.9 | 67-144 | | | |
| trans-1,2-Dichloroethylene | 48.72 | 1.0 | ug/L | 50.3 | | 96.9 | 66-148 | | | |
| 1,1-Dichloroethane | 47.66 | 1.0 | ug/L | 50.3 | | 94.8 | 66-143 | | | |
| Vinyl Acetate | 156.9 | 5.0 | ug/L | 162 | | 97.2 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 47.39 | 1.0 | ug/L | 50.5 | | 93.8 | 71-149 | | | |
| 2-Butanone (MEK) | 104.7 | 10.0 | ug/L | 100 | | 105 | 52-159 | | | |
| Bromochloromethane | 48.03 | 1.0 | ug/L | 50.4 | | 95.2 | 69-143 | | | |
| Chloroform | 46.73 | 1.0 | ug/L | 50.2 | | 93.1 | 69-144 | | | |
| 1,1,1-Trichloroethane | 47.51 | 1.0 | ug/L | 50.3 | | 94.4 | 62-129 | | | |
| Carbon Tetrachloride | 49.48 | 1.0 | ug/L | 50.2 | | 98.5 | 63-141 | | | |
| Benzene | 48.51 | 1.0 | ug/L | 50.4 | | 96.2 | 71-134 | | | |
| 1,2-Dichloroethane | 46.99 | 1.0 | ug/L | 50.4 | | 93.6 | 71-134 | | | |
| Trichloroethylene | 48.85 | 1.0 | ug/L | 50.3 | | 97.0 | 71-135 | | | |
| 1,2-Dichloropropane | 48.30 | 1.0 | ug/L ug/L | 50.3 | | 96.2 | 69-136 | | | |
| Dibromomethane | 49.33 | 1.0 | ug/L ug/L | 50.2 | | 96.2 97.7 | | | | |
| Bromodichloromethane | 48.80 | 1.0 | ug/L ug/L | 50.5 | | | 73-147 | | | |
| DI OTTOURO HOLOTHICH MITE | -0.00 | 1.0 | ug/L | 50.5 | | 97.1 | 68-129 | | | |

Microbac Laboratories, Inc., Newton

RPD

%REC



1HD1532

| | | | | Spike | Source | | %REC | | RPD | Nata |
|---|--------------|------|--------------|--------------|-------------|--------------|------------------|-------|----------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1347 - EPA 5030B - EP. | A 8260B | | | | | | | | | |
| .CS (1HD1347-BS1) | | | Prepared: 04 | 1/22/24 00:0 | 0 Analyzed: | 04/22/24 1 | 2:20 | | | |
| 4-Methyl-2-pentanone (MIBK) | 104.2 | 5.0 | ug/L | 100 | | 104 | 58-147 | | | |
| Toluene | 47.32 | 1.0 | ug/L | 50.5 | | 93.7 | 72-133 | | | |
| trans-1,3-Dichloropropene | 49.84 | 1.0 | ug/L | 50.3 | | 99.1 | 67-130 | | | |
| 1,1,2-Trichloroethane | 48.86 | 1.0 | ug/L | 50.2 | | 97.3 | 69-135 | | | |
| Tetrachloroethylene | 48.97 | 1.0 | ug/L | 50.2 | | 97.5 | 69-130 | | | |
| 2-Hexanone (MBK) | 109.4 | 5.0 | ug/L | 100 | | 109 | 55-144 | | | |
| Dibromochloromethane | 50.52 | 1.0 | ug/L | 50.3 | | 100 | 73-127 | | | |
| 1,2-Dibromoethane | 49.61 | 1.0 | ug/L | 50.4 | | 98.3 | 67-132 | | | |
| Chlorobenzene | 49.00 | 1.0 | ug/L | 50.2 | | 97.5 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 49.70 | 1.0 | ug/L | 50.4 | | 98.5 | 73-127 | | | |
| Ethylbenzene | 50.21 | 1.0 | ug/L | 50.5 | | 99.5 | 71-127 | | | |
| Xylenes, total | 153.1 | 2.0 | ug/L | 151 | | 101 | 74-127 | | | |
| Styrene | 51.90 | 1.0 | ug/L | 50.4 | | 103 | 66-126 | | | |
| Bromoform | 49.89 | 1.0 | ug/L | 50.4 | | 99.3 | 68-130 | | | |
| 1,2,3-Trichloropropane | 49.45 | 1.0 | ug/L | 50.4 | | 98.0 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 104.2 | 5.0 | ug/L ug/L | 100 | | 104 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 49.30 | 1.0 | • | 50.2 | | 98.2 | | | | |
| 1,4-Dichlorobenzene | 48.57 | 1.0 | ug/L | | | | 61-131 | | | |
| 1,2-Dichlorobenzene | 48.80 | 1.0 | ug/L | 50.2 50.2 | | 96.8 | 70-129 | | | |
| 1,2-Dibromo-3-chloropropane | 51.81 | 5.0 | ug/L ug/L | 50.2 | | 97.3 103 | 69-126 50-143 | | | |
| · · · · · · · · · · · · · · · · · · · | | | 9 | | | | | | | |
| Surrogate: Dibromofluoromethane | 48.4 | | ug/L | 50.2 | | 96.5 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 48.4 | | ug/L | 50.2 | | 96.5 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.4 | | ug/L | 50.1 | | 96.6 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 | 48.4 49.4 | | ug/L ug/L | 50.1 50.4 | | 96.6 98.0 | 61-142 87-116 | | | |
| Surrogate: Toluene-d8 | 49.4 | | ug/L ug/L | 50.4 50.4 | | 98.0 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.2 | | ug/L | 50.1 | | 100 | 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.2 | | ug/L | 50.1 | | 100 | 80-116 | | | |
| .CS Dup (1HD1347-BSD1) | | | Prepared: 04 | 1/22/24 00:0 | 0 Analyzed: | 04/22/24 1 | 2:42 | | | |
| Chloromethane | 28.16 | 1.0 | ug/L | 30.0 | | 93.8 | 63-155 | 1.45 | 24 | |
| Vinyl Chloride | 30.36 | 1.0 | ug/L | 30.0 | | 101 | 70-154 | 1.73 | 25 | |
| Bromomethane | 23.59 | 1.0 | ug/L | 30.1 | | 78.4 | 52-176 | 5.80 | 27 | |
| Chloroethane | 30.71 | 1.0 | ug/L | 30.0 | | 102 | 72-148 | 2.06 | 25 | |
| Trichlorofluoromethane | 30.06 | 1.0 | ug/L | 30.0 | | 100 | 70-152 | 0.601 | 26 | |
| 1,1-Dichloroethylene | 47.54 | 1.0 | ug/L | 50.1 | | 94.8 | 70-132 | 3.51 | 24 | |
| Acetone | 89.77 | 10.0 | ug/L | 100 | | 89.7 | 43-172 | 9.71 | 30 | |
| Methyl lodide | 93.11 | 1.0 | ug/L | 100 | | 92.9 | 69-170 | 0.994 | 30 | |
| Carbon Disulfide | 95.11 | 1.0 | ug/L | 100 | | 95.0 | 72-162 | 2.20 | 30 24 | |
| Methylene Chloride | 48.52 | 5.0 | _ | | | | | | | |
| • | 51.37 | | ug/L | 50.2 | | 96.7 | 68-142 | 1.56 | 21 | |
| Acrylonitrile | 47.81 | 5.0 | ug/L | 50.0 | | 103 | 67-144 | 5.87 | 24 | |
| trans-1,2-Dichloroethylene | | 1.0 | ug/L | 50.3 | | 95.1 | 66-148 | 1.89 | 27 | |
| 1,1-Dichloroethane | 47.44 | 1.0 | ug/L | 50.3 | | 94.4 | 66-143 | 0.463 | 24 | |
| Vinyl Acetate | 155.4 | 5.0 | ug/L | 162 | | 96.2 | 43-153 | 0.993 | 30 | |



1HD1532

| Determination of Volatile Organic Compounds Result Batch 1HD1347 - EPA 5030B - EPA 8260B LCS Dup (1HD1347-BSD1) cis-1,2-Dichloroethylene 56.58 2-Butanone (MEK) 114.8 Bromochloromethane 48.52 Chloroform 46.70 1,1,1-Trichloroethane 46.90 Carbon Tetrachloride 48.67 Benzene 48.30 1,2-Dichloroethane 47.62 Trichloroethylene 48.14 1,2-Dichloropropane 49.17 Dibromomethane 49.60 Bromodichloromethane 48.87 cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|-------------------|----------------------|----------------------|------------------|------------|------------------|-------|--------------|-------|
| CS Dup (1HD1347 - EPA 5030B - EPA 8260B | IXE | Oilles | Level | Result | /orceo | Lillits | KFD | Lilling | |
| CCS Dup (1HD1347-BSD1) 56.58 2-Butanone (MEK) 114.8 Bromochloromethane 48.52 Chloroform 46.70 1,1,1-Trichloroethane 46.90 Carbon Tetrachloride 48.67 Benzene 48.30 1,2-Dichloroethane 47.62 Trichloroethylene 48.14 1,2-Dichloropropane 49.17 Dibromomethane 49.60 Bromodichloromethane 48.87 cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 50.79 Bromoform 50.35 1,2,3-Trichlo | | | | | | | | | |
| cis-1,2-Dichloroethylene 56.58 2-Butanone (MEK) 114.8 Bromochloromethane 48.52 Chloroform 46.70 1,1,1-Trichloroethane 46.90 Carbon Tetrachloride 48.67 Benzene 48.30 1,2-Dichloroethane 47.62 Trichloroethylene 48.14 1,2-Dichloropropane 49.17 Dibromomethane 49.60 Bromodichloromethane 48.87 cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 2-Hexanone (MBK) 2-Hexanone (MBK) 112.9 Dibromochloromethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Tric | | Prepared: 04 | 4/22/24 00:0 | 0 Analvzed: | 04/22/24 1 | 2:42 | | | |
| 2-Butanone (MEK) 114.8 Bromochloromethane 48.52 Chloroform 46.70 1,1,1-Trichloroethane 46.90 Carbon Tetrachloride 48.67 Benzene 48.30 1,2-Dichloroethane 47.62 Trichloroethylene 48.14 1,2-Dichloropropane 49.17 Dibromomethane 49.60 Bromodichloromethane 48.87 cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 27.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloroperopane 50.79 trans-1,4-Dichloro-2-butene 10 | 1.0 | ug/L | 50.5 | | 112 | 71-149 | 17.7 | 26 | |
| Bromochloromethane | 10.0 | ug/L | 100 | | 115 | 52-159 | 9.17 | 27 | |
| Chloroform 46.70 1,1,1-Trichloroethane 46.90 Carbon Tetrachloride 48.67 Benzene 48.30 1,2-Dichloroethane 47.62 Trichloroethylene 48.14 1,2-Dichloropropane 49.17 Dibromomethane 49.60 Bromodichloromethane 48.87 cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 48.50 1,2-Dichlorobenzene 48.50 1,2-Dichlorobenz | 1.0 | ug/L | 50.4 | | 96.2 | 69-143 | | 23 | |
| 1,1,1-Trichloroethane 46.90 Carbon Tetrachloride 48.67 Benzene 48.30 1,2-Dichloroethane 47.62 Trichloroethylene 48.14 1,2-Dichloropropane 49.17 Dibromomethane 49.60 Bromodichloromethane 48.87 cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropro | 1.0 | ug/L | 50.4 | | 93.1 | | 1.02 | | |
| Carbon Tetrachloride 48.67 Benzene 48.30 1,2-Dichloroethane 47.62 Trichloroethylene 48.14 1,2-Dichloropropane 49.17 Dibromomethane 49.60 Bromodichloromethane 48.87 cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromof | | _ | | | | 69-144 | | 23 | |
| Benzene 48.30 1,2-Dichloroethane 47.62 Trichloroethylene 48.14 1,2-Dichloropropane 49.17 Dibromomethane 49.60 Bromodichloromethane 48.87 cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 27.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surr | 1.0 | ug/L | 50.3 | | 93.2 | 62-129 | 1.29 | 24 | |
| 1,2-Dichloroethane 47.62 Trichloroethylene 48.14 1,2-Dichloropropane 49.17 Dibromomethane 49.60 Bromodichloromethane 48.87 cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,4-Dichlorobenzene 48.50 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.2 | | 96.9 | 63-141 | 1.65 | 25 | |
| Trichloroethylene 48.14 1,2-Dichloropropane 49.17 Dibromomethane 49.60 Bromodichloromethane 48.87 cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 48.50 1,2-Dichlorobenzene 48.50 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48.50 Surrogate: Toluene-d8 50.0 <td>1.0</td> <td>ug/L</td> <td>50.4</td> <td></td> <td>95.7</td> <td>71-134</td> <td>0.434</td> <td>24</td> <td></td> | 1.0 | ug/L | 50.4 | | 95.7 | 71-134 | 0.434 | 24 | |
| 1,2-Dichloropropane 49.17 Dibromomethane 49.60 Bromodichloromethane 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.2 | | 94.9 | 72-132 | 1.33 | 24 | |
| Dibromomethane 49.60 Bromodichloromethane 48.87 cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromofluoromethane 53.28 Surrogate: Dibromofluoromethane 48.50 Surrogate: 1,2-Dichloroethane-d4 48.50 Surrogate: Toluene-d8 50.50 Surrogate: Toluene-d8 50.50 | 1.0 | ug/L | 50.3 | | 95.6 | 71-135 | 1.46 | 24 | |
| ### Bromodichloromethane | 1.0 | ug/L | 50.2 | | 97.9 | 69-136 | 1.79 | 24 | |
| cis-1,3-Dichloropropene 50.06 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.5 | | 98.3 | 73-147 | 0.546 | 25 | |
| 4-Methyl-2-pentanone (MIBK) 109.8 Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.3 | | 97.2 | 68-129 | 0.143 | 22 | |
| Toluene 47.56 trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.2 | | 99.7 | 65-134 | 1.02 | 23 | |
| trans-1,3-Dichloropropene 50.90 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 50.17 Xylenes, total 50.17 Xylenes, total 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 52.28 Surrogate: 1,2-Dichloroethane-d4 Surrogate: 7,2-Dichloroethane-d4 Surrogate: Toluene-d8 | 5.0 | ug/L | 100 | | 110 | 58-147 | 5.19 | 27 | |
| 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.5 | | 94.2 | 72-133 | 0.506 | 24 | |
| 1,1,2-Trichloroethane 49.28 Tetrachloroethylene 47.89 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.3 | | 101 | 67-130 | 2.10 | 24 | |
| 2-Hexanone (MBK) Dibromochloromethane 1,2-Dibromochloromethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane Ethylbenzene 50.17 Xylenes, total Styrene Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 1,1,2,2-Tetrachloroethane 1,4-Dichlorobenzene 48.31 1,2-Dibromo-3-chloropropane 50.79 48.31 48.50 50.15 60.17 60.15 6 | 1.0 | ug/L | 50.2 | | 98.1 | 69-135 | 0.856 | 23 | |
| 2-Hexanone (MBK) 112.9 Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.2 | | 95.4 | 69-130 | 2.23 | 25 | |
| Dibromochloromethane 50.84 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 5.0 | ug/L | 100 | | 113 | 55-144 | 3.20 | 25 | |
| 1,2-Dibromoethane 49.79 Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.3 | | 101 | 73-127 | 0.631 | 22 | |
| Chlorobenzene 48.95 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.4 | | 98.7 | 67-132 | 0.362 | 24 | |
| 1,1,1,2-Tetrachloroethane 49.82 Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48 Surrogate: 1,2-Dichloroethane-d4 48 Surrogate: 1,2-Dichloroethane-d4 48 Surrogate: Toluene-d8 50 Surrogate: Toluene-d8 50 Surrogate: Toluene-d8 50 | 1.0 | ug/L | 50.4 | | 97.4 | 72-123 | 0.102 | 23 | |
| Ethylbenzene 50.17 Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | _ | 50.4 | | 98.8 | | | | |
| Xylenes, total 152.4 Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | | ug/L | | | | 73-127 | 0.241 | 24 | |
| Styrene 51.79 Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 7,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.5 | | 99.4 | 71-127 | | 26 | |
| Bromoform 50.35 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 2.0 | ug/L | 151 | | 101 | 74-127 | 0.504 | 25 | |
| 1,2,3-Trichloropropane 50.79 trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48 Surrogate: 1,2-Dichloroethane-d4 48 Surrogate: 1,2-Dichloroethane-d4 48 Surrogate: Toluene-d8 50 Surrogate: Toluene-d8 50 Surrogate: Toluene-d8 50 | 1.0 | ug/L | 50.4 | | 103 | 66-126 | 0.212 | 23 | |
| trans-1,4-Dichloro-2-butene 107.0 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: Dipromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.2 | | 100 | 68-130 | 0.918 | 23 | |
| 1,1,2,2-Tetrachloroethane 50.15 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.4 | | 101 | 63-136 | 2.67 | 24 | |
| 1,4-Dichlorobenzene 48.31 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 5.0 | ug/L | 100 | | 107 | 54-134 | 2.65 | 27 | |
| 1,2-Dichlorobenzene 48.50 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.2 | | 99.9 | 61-131 | 1.71 | 29 | |
| 1,2-Dibromo-3-chloropropane 53.28 Surrogate: Dibromofluoromethane 48. Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 7,2-Dichloroethane-d4 50. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.2 | | 96.3 | 70-129 | 0.537 | 24 | |
| Surrogate: Dibromofluoromethane 48. Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 1.0 | ug/L | 50.2 | | 96.7 | 69-126 | 0.617 | 26 | |
| Surrogate: Dibromofluoromethane 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 5.0 | ug/L | 50.5 | | 106 | 50-143 | 2.80 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 7 | ug/L | 50.2 | | 97.1 | 80-126 | | | |
| Surrogate: 1,2-Dichloroethane-d4 48. Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | 7 | ug/L | 50.2 | | 97.1 | 75-136 | | | |
| Surrogate: Toluene-d8 50. Surrogate: Toluene-d8 50. | | ug/L | 50.1 | | 97.2 | 63-138 | | | |
| Surrogate: Toluene-d8 50. | | ug/L | 50.1 | | 97.2 | 61-142 | | | |
| | | ug/L | 50.4 | | 99.3 | 87-116 | | | |
| | | ug/L | 50.4 | | 99.3 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene 51. | | ug/L | 50.1 | | 102 | 85-111 80-116 | | | |
| Surrogate: 4-Bromofluorobenzene 51. | | ug/L Prepared: 04 | 50.1 4/22/24 nn:n | 0 Δnalvzed. | 102 | 80-116 1·30 | | | |
| latrix Spike (1HD1347-MS1) So Chloromethane 299.4 | ource: 1HD1532-07 | ug/L | 300 | ND | 99.7 | 61-152 | | | |



1HD1532

| Determination of Volatile | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------------|---------|--------------|--------------|----------------|------------------|------------|------------------|-----|--------------|-------|
| Organic Compounds | | | | | | | | | | |
| Batch 1HD1347 - EPA 5030B - EP | A 8260B | | | | | | | | | |
| Matrix Spike (1HD1347-MS1) | Source | : 1HD1532-07 | Prepared: 04 | 4/22/24 00:0 | 0 Analyzed: | 04/22/24 2 | 1:30 | | | |
| Vinyl Chloride | 337.5 | 10.0 | ug/L | 300 | 6.82 | 110 | 66-149 | | | |
| Bromomethane | 257.6 | 10.0 | ug/L | 301 | ND | 85.6 | 43-171 | | | |
| Chloroethane | 342.4 | 10.0 | ug/L | 300 | 6.83 | 112 | 69-148 | | | |
| Trichlorofluoromethane | 316.6 | 10.0 | ug/L | 300 | ND | 106 | 62-163 | | | |
| 1,1-Dichloroethylene | 523.9 | 10.0 | ug/L | 501 | ND | 104 | 70-148 | | | |
| Acetone | 860.2 | 100 | ug/L | 1000 | ND | 85.9 | 45-173 | | | |
| Methyl lodide | 682.6 | 10.0 | ug/L | 1000 | ND | 68.1 | 62-167 | | | |
| Carbon Disulfide | 1053 | 10.0 | ug/L | 1000 | ND | 105 | 71-163 | | | |
| Methylene Chloride | 522.5 | 50.0 | ug/L | 502 | ND | 104 | 69-140 | | | |
| Acrylonitrile | 482.2 | 50.0 | ug/L | 500 | ND | 96.4 | 58-151 | | | |
| trans-1,2-Dichloroethylene | 510.4 | 10.0 | ug/L | 503 | ND | 102 | 69-144 | | | |
| 1,1-Dichloroethane | 527.0 | 10.0 | ug/L | 503 | 28.18 | 99.2 | 70-138 | | | |
| Vinyl Acetate | 1506 | 50.0 | ug/L | 1620 | ND | 93.3 | 58-142 | | | |
| cis-1,2-Dichloroethylene | 640.6 | 10.0 | ug/L | 505 | 164.2 | 94.3 | 68-151 | | | |
| 2-Butanone (MEK) | 1013 | 100 | ug/L | 1000 | ND | 101 | 50-160 | | | |
| Bromochloromethane | 500.1 | 10.0 | ug/L | 504 | ND | 99.2 | 65-143 | | | |
| Chloroform | 490.2 | 10.0 | ug/L | 502 | ND | 97.7 | 71-143 | | | |
| 1,1,1-Trichloroethane | 495.5 | 10.0 | ug/L | 503 | ND | 98.5 | 63-133 | | | |
| Carbon Tetrachloride | 511.0 | 10.0 | ug/L | 502 | ND | 102 | 63-142 | | | |
| Benzene | 485.9 | 10.0 | ug/L | 504 | ND | 96.3 | 69-133 | | | |
| 1,2-Dichloroethane | 472.1 | 10.0 | ug/L | 502 | 12.26 | 91.6 | 63-138 | | | |
| Trichloroethylene | 488.4 | 10.0 | ug/L | 503 | ND | 97.0 | 71-133 | | | |
| 1,2-Dichloropropane | 485.1 | 10.0 | ug/L | 502 | 6.53 | 95.3 | 69-132 | | | |
| Dibromomethane | 485.4 | 10.0 | ug/L | 505 | ND | 96.2 | 70-147 | | | |
| Bromodichloromethane | 477.7 | 10.0 | ug/L | 503 | ND | 95.0 | 67-130 | | | |
| cis-1,3-Dichloropropene | 465.3 | 10.0 | ug/L | 502 | ND | 92.7 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 989.2 | 50.0 | ug/L | 1000 | ND | 98.7 | 55-147 | | | |
| Toluene | 477.5 | 10.0 | ug/L | 505 | ND | 94.6 | 71-133 | | | |
| trans-1,3-Dichloropropene | 466.5 | 10.0 | ug/L | 503 | ND | 92.8 | 63-124 | | | |
| 1,1,2-Trichloroethane | 484.5 | 10.0 | ug/L | 502 | ND | 96.5 | 69-133 | | | |
| Tetrachloroethylene | 479.2 | 10.0 | ug/L | 502 | ND | 95.4 | 70-124 | | | |
| 2-Hexanone (MBK) | 1003 | 50.0 | ug/L | 1000 | ND | 100 | 53-141 | | | |
| Dibromochloromethane | 483.9 | 10.0 | ug/L | 503 | ND | 96.1 | 74-122 | | | |
| 1,2-Dibromoethane | 481.2 | 10.0 | ug/L | 504 | ND | 95.4 | 66-127 | | | |
| Chlorobenzene | 486.5 | 10.0 | ug/L | 502 | ND | 96.8 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 481.5 | 10.0 | ug/L | 504 | ND | 95.5 | 70-110 | | | |
| Ethylbenzene | 498.2 | 10.0 | ug/L | 505 | ND | 98.7 | 77-121 | | | |
| Xylenes, total | 1512 | 20.0 | ug/L | 1510 | ND | 99.9 | 75-124 75-123 | | | |
| Styrene | 510.7 | 10.0 | ug/L ug/L | 504 | ND | 101 | 70-120 | | | |
| Bromoform | 462.1 | 10.0 | ug/L ug/L | | | 92.0 | | | | |
| 1,2,3-Trichloropropane | 483.9 | 10.0 | ug/L ug/L | 502 504 | ND | | 70-124 | | | |
| | 945.3 | | | | ND | 95.9 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 340.0 | 50.0 | ug/L | 1000 | ND | 94.3 | 50-120 | | | |

Microbac Laboratories, Inc., Newton

ug/L

93.8

63-126

10.0

471.1

1,1,2,2-Tetrachloroethane



1HD1532

Spike Source

%REC

RPD

| | | | Spike | Source | | | | KFD | |
|---------|---|---|--------------------|--------------|--------------------------------------|---|------|----------|-------|
| Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| 3260B | | | | | | | | | |
| Source: | 1HD1532-07 | Prepared: 04 | 4/22/24 00:0 | 00 Analyzed: | 04/22/24 2 | 1:30 | | | |
| 474.8 | | ua/L | 502 | ND | 94.6 | 72-119 | | | |
| 477.5 | | • | | | | | | | |
| 466.1 | 50.0 | ug/L | 505 | ND | 92.3 | 49-134 | | | |
| 504 | | // | 500 | | 101 | 00.406 | | | |
| | | _ | | | | | | | |
| | | - | | | | | | | |
| | | _ | | | | | | | |
| 506 | | - | 504 | | 100 | 87-116 | | | |
| 506 | | Ū | 504 | | 100 | 82-121 | | | |
| 498 | | ug/L | 501 | | 99.4 | 85-111 | | | |
| 498 | | ug/L | 501 | | 99.4 | 80-116 | | | |
| Source: | 1HD1532-07 | Prepared: 04 | 4/22/24 00:0 | 00 Analyzed: | 04/22/24 2 | 1:53 | | | |
| 284.9 | 10.0 | ug/L | 300 | ND | 94.9 | 61-152 | 4.96 | 26 | |
| 315.8 | 10.0 | ug/L | 300 | 6.82 | 103 | 66-149 | 6.64 | 23 | |
| 242.2 | 10.0 | ug/L | 301 | ND | 80.5 | 43-171 | 6.16 | 29 | |
| 320.5 | 10.0 | ug/L | 300 | 6.83 | 105 | 69-148 | 6.61 | | |
| 298.9 | 10.0 | • | | | | | | | |
| 497.8 | | • | | | | | | | |
| 873.2 | | • | | | | | | | |
| 777.0 | | _ | | | | | | | |
| | | • | | | | | | | |
| | | • | | | | | | | |
| | | • | | | | | | | |
| | | • | | | | | | | |
| | | • | | | | | | | |
| | | • | | | | | | | |
| | | • | | | | | | | |
| | | • | | 164.2 | | | 4.63 | | |
| | | • | | ND | | 50-160 | 2.16 | 23 | |
| | 10.0 | ug/L | 504 | ND | 96.3 | 65-143 | 2.94 | 22 | |
| | 10.0 | ug/L | 502 | ND | 94.4 | 71-143 | 3.40 | 21 | |
| | 10.0 | ug/L | 503 | ND | 93.9 | 63-133 | 4.75 | 23 | |
| | 10.0 | ug/L | 502 | ND | 97.1 | 63-142 | 4.69 | 22 | |
| 467.8 | 10.0 | ug/L | 504 | ND | 92.7 | 69-133 | 3.80 | 18 | |
| 460.9 | 10.0 | ug/L | 502 | 12.26 | 89.4 | 63-138 | 2.40 | 20 | |
| 468.7 | 10.0 | ug/L | 503 | ND | 93.1 | 71-133 | 4.12 | 23 | |
| 471.1 | 10.0 | ug/L | 502 | 6.53 | 92.5 | 69-132 | 2.93 | | |
| 474.5 | 10.0 | _ | | | | 70-147 | | | |
| 465.3 | | | | | | | | | |
| | | • | | | | | | | |
| | | _ | | | | | | | |
| 458.4 | 10.0 | ug/L | 505 | ND | 90.8 | 71-133 | 4.08 | 23 19 | |
| | 10.0 | uu/L | 505 | שוו | 90.0 | 11-133 | 4.00 | 19 | |
| 458.5 | 10.0 | ug/L | 503 | ND | 91.2 | 63-124 | 1.73 | 21 | |
| | Source: 474.8 477.5 466.1 524 524 518 518 506 506 498 498 Source: 284.9 315.8 242.2 320.5 298.9 497.8 873.2 777.0 991.7 496.7 475.1 481.0 505.2 1487 611.6 991.4 485.6 473.8 472.5 487.6 467.8 460.9 468.7 471.1 474.5 465.3 458.7 985.0 | Source: 1HD1532-07 474.8 10.0 477.5 10.0 466.1 50.0 524 524 518 518 518 506 506 498 498 8 8 Source: 1HD1532-07 284.9 10.0 315.8 10.0 242.2 10.0 320.5 10.0 298.9 10.0 497.8 10.0 873.2 100 777.0 10.0 873.2 100 777.0 10.0 991.7 10.0 496.7 50.0 475.1 50.0 481.0 10.0 991.7 10.0 496.7 50.0 475.1 50.0 481.0 10.0 991.4 100 496.7 50.0 475.1 50.0 481.0 10.0 991.4 100 496.7 50.0 475.1 50.0 481.0 10.0 991.4 100 496.7 50.0 475.1 50.0 481.0 10.0 505.2 10.0 1487 50.0 475.1 50.0 481.0 10.0 496.7 50.0 475.1 50.0 481.0 10.0 496.7 50.0 475.1 50.0 481.0 10.0 496.7 50.0 475.1 50.0 481.0 10.0 496.7 50.0 475.1 50.0 486.7 10.0 474.5 10.0 467.8 10.0 467.8 10.0 467.8 10.0 468.7 10.0 468.7 10.0 468.7 10.0 465.3 10.0 474.5 10.0 465.3 10.0 475.7 10.0 985.0 50.0 | Source: 1HD1532-07 | Result RL | Result RL Units Level Result | Result RL Units Level Result %REC Result Result REC Result Result Rec Rec | | | |



1HD1532

Spike Source

| | | | | Spike | Source | | %REC | | RPD | |
|--|--|---|--|--------------|--------------|------------|--------|-------|-------|-------|
| Determination of Volatile | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Organic Compounds Batch 1HD1347 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| | | 4UD4522.07 | Prepared: 04 | 1/22/24 00:0 | M Analyzed: | 04/22/24 2 | 1.52 | | | |
| Matrix Spike Dup (1HD1347-MSD1) | 458.6 | 1HD1532-07 | • | | | | | 4.00 | | |
| Tetrachloroethylene | | 10.0 | ug/L | 502 | ND | 91.3 | 70-124 | 4.39 | 24 | |
| 2-Hexanone (MBK) | 1010 | 50.0 | ug/L | 1000 | ND | 101 | 53-141 | 0.735 | 24 | |
| Dibromochloromethane | 479.4 | 10.0 | ug/L | 503 | ND | 95.2 | 74-122 | 0.934 | 21 | |
| 1,2-Dibromoethane | 471.0 | 10.0 | ug/L | 504 | ND | 93.4 | 66-127 | 2.14 | 23 | |
| Chlorobenzene | 468.8 | 10.0 | ug/L | 502 | ND | 93.3 | 76-116 | 3.71 | 21 | |
| 1,1,1,2-Tetrachloroethane | 472.6 | 10.0 | ug/L | 504 | ND | 93.7 | 77-121 | 1.87 | 25 | |
| Ethylbenzene | 479.5 | 10.0 | ug/L | 505 | ND | 95.0 | 73-124 | 3.83 | 20 | |
| Xylenes, total | 1455 | 20.0 | ug/L | 1510 | ND | 96.1 | 75-123 | 3.89 | 20 | |
| Styrene | 494.5 | 10.0 | ug/L | 504 | ND | 98.1 | 70-120 | 3.22 | 23 | |
| Bromoform | 459.7 | 10.0 | ug/L | 502 | ND | 91.5 | 70-124 | 0.521 | 22 | |
| 1,2,3-Trichloropropane | 479.1 | 10.0 | ug/L | 504 | ND | 95.0 | 62-135 | 0.997 | 28 | |
| trans-1,4-Dichloro-2-butene | 937.3 | 50.0 | ug/L | 1000 | ND | 93.5 | 50-120 | 0.850 | 26 | |
| 1,1,2,2-Tetrachloroethane | 472.0 | 10.0 | ug/L | 502 | ND | 94.0 | 63-126 | 0.191 | 24 | |
| 1,4-Dichlorobenzene | 464.6 | 10.0 | ug/L | 502 | ND | 92.6 | 72-119 | 2.17 | 24 | |
| 1,2-Dichlorobenzene | 465.4 | 10.0 | • | 502 | | | | | | |
| • | 476.2 | | ug/L | | ND | 92.8 | 71-117 | 2.57 | 24 | |
| 1,2-Dibromo-3-chloropropane | 470.2 | 50.0 | ug/L | 505 | ND | 94.3 | 49-134 | 2.14 | 28 | |
| Surrogate: Dibromofluoromethane | 514 | | ug/L | 502 | | 102 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 514 | | ug/L | 502 | | 102 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 510 | | ug/L | 501 | | 102 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 510 | | ug/L | 501 | | 102 | 61-142 | | | |
| Surrogate: Toluene-d8 | 504 | | ug/L | 504 | | 99.9 | 87-116 | | | |
| Surrogate: Toluene-d8 | 504 | | ug/L | 504 | | 99.9 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene Surrogate: 4-Bromofluorobenzene | 500 | | ug/L | 501 | | 99.6 | 85-111 | | | |
| Surrogate. 4-biomonuorobenzene | 500 | | ug/L | 501 | | 99.6 | 80-116 | | | |
| Batch 1HD1408 - EPA 5030B - EPA | 00000 | | | | | | | | | |
| Batch Hib 1400 - El A 0000B - El A | 8260B | | | | | | | | | |
| Blank (1HD1408-BLK1) | 8260B | | Prepared: 04 | 1/23/24 00:0 | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| | <1.0 | 1.0 | Prepared: 04 | 4/23/24 00:0 | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) | | 1.0 1.0 | | 1/23/24 00:0 | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane | <1.0 | | ug/L | 1/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride | <1.0 <1.0 | 1.0 | ug/L ug/L ug/L | 4/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane | <1.0 <1.0 <1.0 | 1.0 1.0 | ug/L ug/L ug/L ug/L | 1/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane | <1.0 <1.0 <1.0 <1.0 | 1.0 1.0 1.0 1.0 | ug/L ug/L ug/L ug/L ug/L | 1/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethylene | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.0 1.0 1.0 1.0 | ug/L ug/L ug/L ug/L ug/L ug/L | 1/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethylene Acetone | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.0 1.0 1.0 1.0 1.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 4/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethylene Acetone Methyl lodide | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.0 1.0 1.0 1.0 1.0 10.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 1/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethylene Acetone Methyl lodide Carbon Disulfide | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 1/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethylene Acetone Methyl lodide Carbon Disulfide Methylene Chloride | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.0 1.0 1.0 1.0 1.0 10.0 1.0 1.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 1/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethylene Acetone Methyl lodide Carbon Disulfide Methylene Chloride Acrylonitrile | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.0 1.0 1.0 1.0 1.0 10.0 1.0 5.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 1/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethylene Acetone Methyl lodide Carbon Disulfide Methylene Chloride Acrylonitrile trans-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 1.0 10.0 1.0 5.0 5.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 4/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethylene Acetone Methyl lodide Carbon Disulfide Methylene Chloride Acrylonitrile | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.0 1.0 1.0 1.0 1.0 10.0 1.0 5.0 5.0 1.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 4/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethylene Acetone Methyl lodide Carbon Disulfide Methylene Chloride Acrylonitrile trans-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 1.0 10.0 1.0 5.0 5.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 1/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| Blank (1HD1408-BLK1) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethylene Acetone Methyl lodide Carbon Disulfide Methylene Chloride Acrylonitrile trans-1,2-Dichloroethylene 1,1-Dichloroethane | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.0 1.0 1.0 1.0 1.0 10.0 1.0 5.0 5.0 1.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 1/23/24 00:C | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |

RPD

%REC



CERTIFICATE OF ANALYSIS

1HD1532

Units

RL

Determination of Volatile

Result

Spike Source

Result %REC

Level

%REC

Limits

RPD

Limit

RPD

Notes

| Organia Compounds | Nesuit | IXL. | Office | Levei | Nesuit | /BINEC | Lillits | KFD | Liiiit |
|----------------------------------|---------|------|--------------|--------------|-------------|-------------|---------|-----|--------|
| Organic Compounds | | | | | | | | | |
| Batch 1HD1408 - EPA 5030B - EPA | A 8260B | | | | | | | | |
| Blank (1HD1408-BLK1) | | | Prepared: 0 | 4/23/24 00:0 | 0 Analyzed: | 04/23/24 10 | 0:46 | | |
| 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 ug/L | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | | | | | | | |
| | <1.0 | | ug/L | | | | | | |
| Tetrachloroethylene | <5.0 | 1.0 | ug/L | | | | | | |
| 2-Hexanone (MBK) | <1.0 | 5.0 | ug/L | | | | | | |
| Dibromochloromethane | | 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 | 50.8 | | ua/l | 50.2 | | 101 | 80-126 | | |
| Surrogate: Dibromofluoromethane | 50.8 | | ug/L ug/L | 50.2 50.2 | | 101 | 75-136 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.8 | | ug/L ug/L | 50.1 | | 103 | 63-138 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.8 | | ug/L | 50.1 | | 103 | 61-142 | | |
| Surrogate: Toluene-d8 | 49.7 | | ug/L | 50.4 | | 98.7 | 87-116 | | |
| Surrogate: Toluene-d8 | 49.7 | | ug/L | 50.4 | | 98.7 | 82-121 | | |
| Surrogate: 4-Bromofluorobenzene | 48.6 | | ug/L | 50.1 | | 96.9 | 85-111 | | |
| Surrogate: 4-Bromofluorobenzene | 48.6 | | ug/L | 50.1 | | 96.9 | 80-116 | | |
| CS (1HD1408-BS1) | | | Prepared: 0 | | 0 Analyzed: | | | | |
| Chloromethane | 35.96 | 1.0 | ug/L | 30.6 | | 117 | 63-155 | | |
| Vinyl Chloride | 35.51 | 1.0 | ug/L | 30.2 | | 117 | 70-154 | | |
| Bromomethane | 30.25 | 1.0 | ug/L | 28.8 | | 105 | 52-176 | | |



1HD1532

Spike Source

%REC

RPD

| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|--|---------|------|--------------|--------------|-------------|------------|--------|-----|-------|-------|
| Batch 1HD1408 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| _CS (1HD1408-BS1) | | | Prepared: 04 | 4/23/24 00:0 | 0 Analyzed: | 04/23/24 0 | 9:38 | | | |
| Chloroethane | 38.95 | 1.0 | ug/L | 31.6 | | 123 | 72-148 | | | |
| Trichlorofluoromethane | 35.99 | 1.0 | ug/L | 32.6 | | 110 | 70-152 | | | |
| 1,1-Dichloroethylene | 54.20 | 1.0 | ug/L | 50.0 | | 108 | 70-148 | | | |
| Acetone | 83.64 | 10.0 | ug/L | 101 | | 82.6 | 43-172 | | | |
| Methyl lodide | 100.8 | 1.0 | ug/L | 102 | | 98.9 | 69-170 | | | |
| Carbon Disulfide | 121.4 | 1.0 | ug/L | 103 | | 118 | 72-162 | | | |
| Methylene Chloride | 51.84 | 5.0 | ug/L | 50.0 | | 104 | 68-142 | | | |
| Acrylonitrile | 94.62 | 5.0 | ug/L | 100 | | 94.3 | 67-144 | | | |
| trans-1,2-Dichloroethylene | 53.70 | 1.0 | ug/L | 50.0 | | 107 | 66-148 | | | |
| 1,1-Dichloroethane | 51.84 | 1.0 | ug/L | 50.0 | | 104 | 66-143 | | | |
| Vinyl Acetate | 97.50 | 5.0 | ug/L | 100 | | 97.5 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 50.21 | 1.0 | ug/L | 50.0 | | 100 | 71-149 | | | |
| 2-Butanone (MEK) | 91.25 | 10.0 | ug/L | 102 | | 89.6 | 52-159 | | | |
| Bromochloromethane | 52.63 | 1.0 | ug/L | 50.0 | | 105 | 69-143 | | | |
| Chloroform | 50.51 | 1.0 | ug/L | 50.0 | | 101 | 69-144 | | | |
| 1,1,1-Trichloroethane | 49.46 | 1.0 | ug/L | 50.0 | | 98.9 | 62-129 | | | |
| Carbon Tetrachloride | 52.74 | 1.0 | ug/L | 50.0 | | 105 | 63-141 | | | |
| Benzene | 50.94 | 1.0 | ug/L | 50.0 | | 102 | 71-134 | | | |
| 1,2-Dichloroethane | 48.82 | 1.0 | ug/L | 50.0 | | 97.6 | 72-132 | | | |
| Trichloroethylene | 50.80 | 1.0 | ug/L | 50.0 | | 102 | 71-135 | | | |
| 1,2-Dichloropropane | 50.57 | 1.0 | ug/L | 50.0 | | 101 | 69-136 | | | |
| Dibromomethane | 51.42 | 1.0 | ug/L | 50.0 | | 103 | 73-147 | | | |
| Bromodichloromethane | 49.96 | 1.0 | ug/L | 50.0 | | 99.9 | 68-129 | | | |
| cis-1,3-Dichloropropene | 49.40 | 1.0 | ug/L | 50.0 | | 98.8 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 101.2 | 5.0 | ug/L | 100 | | 101 | 58-147 | | | |
| Toluene | 48.89 | 1.0 | ug/L | 50.0 | | 97.8 | 72-133 | | | |
| trans-1,3-Dichloropropene | 50.85 | 1.0 | ug/L | 50.0 | | 102 | 67-130 | | | |
| 1,1,2-Trichloroethane | 50.24 | 1.0 | ug/L | 50.0 | | 100 | 69-135 | | | |
| Tetrachloroethylene | 50.30 | 1.0 | ug/L | 50.0 | | 101 | 69-130 | | | |
| 2-Hexanone (MBK) | 104.0 | 5.0 | ug/L | 99.3 | | 105 | 55-144 | | | |
| Dibromochloromethane | 51.03 | 1.0 | ug/L | 50.0 | | 102 | 73-127 | | | |
| 1,2-Dibromoethane | 50.10 | 1.0 | ug/L | 50.0 | | 100 | 67-132 | | | |
| Chlorobenzene | 50.14 | 1.0 | ug/L | 50.0 | | 100 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 51.71 | 1.0 | ug/L | 50.0 | | 103 | 73-127 | | | |
| Ethylbenzene | 51.98 | 1.0 | ug/L | 50.0 | | 104 | 71-127 | | | |
| Xylenes, total | 157.3 | 2.0 | ug/L | 150 | | 105 | 74-127 | | | |
| Styrene | 53.55 | 1.0 | ug/L | 50.0 | | 107 | 66-126 | | | |
| Bromoform | 48.10 | 1.0 | ug/L | 50.0 | | 96.2 | 68-130 | | | |
| 1,2,3-Trichloropropane | 49.51 | 1.0 | ug/L | 50.0 | | 99.0 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 91.95 | 5.0 | ug/L | 103 | | 89.4 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 48.77 | 1.0 | ug/L | 50.0 | | 97.5 | 61-131 | | | |
| 1,4-Dichlorobenzene | 49.35 | 1.0 | ug/L | 50.0 | | 98.7 | 70-129 | | | |
| 1,2-Dichlorobenzene | 50.94 | 1.0 | ug/L | 50.0 | | 102 | 69-126 | | | |



1HD1532

Spike Source

%REC

RPD

| Peparet Internation Inte | Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|--|---|---------|------|--------------|--------------|--------------|------------|--------|-------|-------|-------|
| 1,2-Dibromo-3-chioropropane | Batch 1HD1408 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | LCS (1HD1408-BS1) | | | Prepared: 04 | 4/23/24 00:0 | 00 Analyzed: | 04/23/24 0 | 9:38 | | | |
| Surrogate: Discribinenthane 50,9 | | 46.92 | 5.0 | ug/L | 50.0 | | 93.8 | 50-143 | | | |
| Surrogate: Discribinenthane 50,9 | Surrogate: Dibromofluoromethane | 50.9 | | ug/L | 50.2 | | 102 | 80-126 | | | |
| Surrogate: 1.2-Dichhoroethane-44 50.6 Ug/L 50.1 101 61-142 50.5 101 61-142 50.5 50.3 Ug/L 50.4 99.8 82-121 50.0 101 85-111 50.0 101 85-111 50.0 101 85-111 50.0 101 85-111 50.0 101 85-111 50.0 101 85-111 50.0 101 85-111 50.0 101 85-111 50.0 101 85-111 50.0 101 85-111 50.0 101 85-111 50.0 101 80-115 50.0 101 80-115 50.0 101 80-115 50.0 101 80-115 50.0 101 80-115 50.0 101 80-115 80- | Surrogate: Dibromofluoromethane | 50.9 | | _ | 50.2 | | 102 | 75-136 | | | |
| Surrogate: Toluene-add | Surrogate: 1,2-Dichloroethane-d4 | 50.6 | | ug/L | 50.1 | | 101 | 63-138 | | | |
| Surrogate: Foluene-dB | Surrogate: 1,2-Dichloroethane-d4 | 50.6 | | ug/L | 50.1 | | 101 | 61-142 | | | |
| Surrogate: 4-Bromofluorobenzene 50,4 19/1 50,1 101 86-1115 50.1 101 80-115 50.1 101 80-115 50.1 101 80-115 50.1 101 80-115 50.1 101 80-115 50.1 101 80-115 50.1 101 80-115 50.1 101 80-115 50.1 80-115 | _ | | | ug/L | 50.4 | | | | | | |
| Number Summative Summati | | | | _ | | | | | | | |
| Prepared: 04/23/24 00/00 Analyzed: 04/24 00/00 Analyzed: 04/ | | | | | | | | | | | |
| Chloromethane 34.15 1.0 ug/L 30.6 111 63.155 5.16 24 Vinyl Chloride 33.22 1.0 ug/L 30.2 110 70.154 6.66 25 Bromomethane 30.50 1.0 ug/L 28.8 106 52.176 0.823 27 Chloroethane 37.41 1.0 ug/L 31.6 118 72.148 4.03 25 Trichlorofluoromethane 33.93 1.0 ug/L 32.6 104 70.152 5.89 26 11,1-Dichloroethylene 51.03 1.0 ug/L 50.0 102 70.148 6.02 24 Acetone 73.24 10.0 ug/L 101 72.4 43.172 13.3 30 Methyl Iodide 98.09 1.0 ug/L 102 96.3 69.170 268 30 Carbon Disulfide 114.3 1.0 ug/L 102 96.3 69.170 268 30 Methylene Chloride 50.42 5.0 ug/L 50.0 101 68.142 2.78 21 Acylonitile 88.84 5.0 ug/L 50.0 101 68.142 2.78 21 Acylonitile 88.84 5.0 ug/L 50.0 102 66.148 5.57 27 1,1-Dichloroethylene 40.98 1.0 ug/L 50.0 98.0 66.143 5.67 24 Vinyl Acetate 47.83 1.0 ug/L 50.0 98.0 66.143 5.67 24 Vinyl Acetate 47.83 1.0 ug/L 50.0 95.7 71.149 4.66 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.7 71.149 4.66 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.0 66.6 69.144 4.47 23 11,1-Trichloroethane 48.80 1.0 ug/L 50.0 95.0 95.7 71.149 4.66 26 2-Butanone (MEK) 49.78 1.0 ug/L 50.0 95.0 95.0 66.144 4.47 23 11,1-Trichloroethane 48.87 1.0 ug/L 50.0 95.0 95.0 67.1 71.149 4.66 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.0 95.0 67.1 71.149 4.66 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.0 95.0 67.1 71.149 4.67 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.0 95.0 67.1 71.149 4.15 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.0 95.0 77. 71.149 4.15 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.0 67.1 71.15 77. 25 3-Boracen 48.87 1.0 ug/L 50.0 95.0 95.0 77. 71.135 36.1 24 3-L2-Dichloropropane 49.90 | Surrogate: 4-Bromofluorobenzene | 50.4 | | ug/L | 50.1 | | 101 | 80-116 | | | |
| Viny Chloride 33.22 1.0 ug/L 30.2 110 70-154 6.66 25 Bromomethane 30.50 1.0 ug/L 28.8 106 52-176 0.823 27 Chloroethane 37.41 1.0 ug/L 31.6 118 72-148 40.3 25 Trichlorofluoromethane 33.93 1.0 ug/L 50.0 102 70-148 60.2 24 Acetone 73.24 10.0 ug/L 101 72.4 43-172 13.3 30 Methyl Golde 98.09 1.0 ug/L 102 96.3 69-710 2.68 30 Carbon Disulfide 114.3 1.0 ug/L 103 111 72-162 5.97 24 Methylene Chloride 50.42 5.0 ug/L 50.0 101 68-142 2.78 21 Methylene Chloride 50.79 1.0 ug/L 50.0 101 66-148 5.57 27 | LCS Dup (1HD1408-BSD1) | | | · | 4/23/24 00:0 | 00 Analyzed: | 04/23/24 1 | 0:01 | | | |
| Bromomethane 30.50 | Chloromethane | | 1.0 | ug/L | 30.6 | | 111 | 63-155 | 5.16 | 24 | |
| Chloroethane 37.41 1.0 ug/L 31.6 118 72-148 4.03 25 Trichlorofluoromethane 33.93 1.0 ug/L 32.6 104 70-152 5.89 26 1,1-Dichloroethylene 51.03 1.0 ug/L 50.0 102 70-148 6.02 24 Acetone 73.24 10.0 ug/L 102 96.3 69-170 2.68 30 Methyl lodide 98.09 1.0 ug/L 102 96.3 69-170 2.68 30 Carbon Disulfide 114.3 1.0 ug/L 103 111 72-162 5.97 24 Methylene Chloride 50.42 5.0 ug/L 50.0 101 68-142 2.78 21 Acrylonitrile 88.84 5.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethylene 48.98 1.0 ug/L 50.0 98.0 66-148 5.67 24 | Vinyl Chloride | | 1.0 | ug/L | 30.2 | | 110 | 70-154 | 6.66 | 25 | |
| Trichlorofiluoromethane 33.93 1.0 ug/L 32.6 104 70-152 5.89 26 1,1-Dichloroethylene 51.03 1.0 ug/L 50.0 102 70-148 6.02 24 Acetone 73.24 10.0 ug/L 101 72.4 43.172 13.3 30 Methyl lodide 98.09 1.0 ug/L 102 96.3 69-170 2.68 30 Carbon Disulfide 114.3 1.0 ug/L 103 1111 72-162 5.97 24 Methylene Chloride 50.42 5.0 ug/L 50.0 101 68-142 2.78 21 Acrylonitrile 88.84 5.0 ug/L 100 88.5 67-144 6.02 24 Acrylonitrile 88.84 5.0 ug/L 100 88.5 67-144 6.30 24 Acrylonitrile 50.49 1.0 ug/L 100 88.5 67-144 6.30 24 Acrylonitrile 69.418 5.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethylene 69.79 1.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethylene 48.98 1.0 ug/L 50.0 98.0 66-143 5.67 24 Ug/L 50.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethylene 47.83 1.0 ug/L 50.0 98.0 66-143 5.67 24 Ug/L 50.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethylene 47.83 1.0 ug/L 50.0 98.0 66-143 5.67 24 Ug/L 50.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethylene 47.83 1.0 ug/L 50.0 99.7 77-1149 4.86 26 26 28-Ug/L 50.0 ug/L 100 99.7 77-1149 4.86 26 26 28-Ug/L 50.0 ug/L 50.0 99.7 77-1149 4.86 26 26 28-Ug/L 50.0 ug/L 50.0 99.7 77-1149 4.86 26 26 28-Ug/L 50.0 ug/L 50.0 99.7 77-1149 4.46 27 28 28 28 28 28 28 28 28 28 28 28 28 28 | Bromomethane | 30.50 | 1.0 | ug/L | 28.8 | | 106 | 52-176 | 0.823 | 27 | |
| 1,1-Dichloroethylene 51.03 1.0 ug/L 50.0 102 70.148 6.02 24 Acetone 73.24 10.0 ug/L 101 72.4 43.172 13.3 30 Methyl lodide 98.09 1.0 ug/L 102 96.3 69.170 2.68 30 Carbon Disulfide 114.3 1.0 ug/L 103 111 72-162 5.97 24 Methylene Chloride 50.42 5.0 ug/L 50.0 101 68-142 2.78 21 Acrylonitrile 88.84 5.0 ug/L 100 88.5 67-144 6.30 24 In-Dichloroethylene 50.79 1.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethane 48.98 1.0 ug/L 50.0 98.0 66-148 5.57 24 Vinyl Acetate 94.18 5.0 ug/L 50.0 95.7 71.149 4.86 26 <td>Chloroethane</td> <td>37.41</td> <td>1.0</td> <td>ug/L</td> <td>31.6</td> <td></td> <td>118</td> <td>72-148</td> <td>4.03</td> <td>25</td> <td></td> | Chloroethane | 37.41 | 1.0 | ug/L | 31.6 | | 118 | 72-148 | 4.03 | 25 | |
| 1,1-Dichloroethylene 51.03 1.0 ug/L 50.0 102 70.148 6.02 24 Acetone 73.24 10.0 ug/L 101 72.4 43.172 13.3 30 Methyl lodide 98.09 1.0 ug/L 102 96.3 69.170 26.8 30 Carbon Disulfide 114.3 1.0 ug/L 103 111 72-162 5.97 24 Methylene Chloride 50.42 5.0 ug/L 50.0 101 68-142 2.78 21 Acrylonlifile 88.84 5.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethylene 50.79 1.0 ug/L 50.0 98.0 66-148 5.57 27 Vinyl Acetate 94.18 5.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.7 71-149 4.8 22 <td>Trichlorofluoromethane</td> <td>33.93</td> <td>1.0</td> <td>ug/L</td> <td>32.6</td> <td></td> <td>104</td> <td>70-152</td> <td>5.89</td> <td>26</td> <td></td> | Trichlorofluoromethane | 33.93 | 1.0 | ug/L | 32.6 | | 104 | 70-152 | 5.89 | 26 | |
| Acetone 73.24 10.0 ug/L 10.1 72.4 43-172 13.3 30 Methyl lodide 98.09 1.0 ug/L 102 96.3 69-170 2.68 30 Carbon Disulfide 114.3 1.0 ug/L 103 111 72-162 5.97 24 Methylene Chloride 50.42 5.0 ug/L 50.0 101 68-142 2.78 21 Acrylonitrile 88.84 5.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethane 48.98 1.0 ug/L 50.0 98.0 66-143 5.67 24 Vinjyl Acetate 94.18 5.0 ug/L 50.0 98.0 66-143 5.67 24 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 96.6 69-144 4.47 23 <td>1,1-Dichloroethylene</td> <td>51.03</td> <td>1.0</td> <td>ug/L</td> <td>50.0</td> <td></td> <td>102</td> <td>70-148</td> <td>6.02</td> <td></td> <td></td> | 1,1-Dichloroethylene | 51.03 | 1.0 | ug/L | 50.0 | | 102 | 70-148 | 6.02 | | |
| Methyl lodide 98.09 1.0 ug/L 102 96.3 69-170 2.68 30 Carbon Disulfide 114.3 1.0 ug/L 103 111 72-162 5.97 24 Methylene Chloride 50.42 5.0 ug/L 50.0 101 68-142 2.78 21 Acrylonitrile 88.84 5.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethylene 50.79 1.0 ug/L 50.0 98.0 66-143 5.67 24 Vinyl Acetate 94.18 5.0 ug/L 100 94.2 43-153 3.46 30 cis-1,2-Dichloroethylene 47.83 1.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 96.6 69-144 4.47 | • | 73.24 | 10.0 | _ | | | 72.4 | | | | |
| Carbon Disulfide 114.3 1.0 ug/L 103 111 72-162 5.97 24 Methylene Chloride 50.42 5.0 ug/L 50.0 101 68-142 2.78 21 Acrylonitrile 88.84 5.0 ug/L 100 88.5 67-144 6.30 24 trans-1,2-Dichloroethylene 50.79 1.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethane 48.98 1.0 ug/L 50.0 98.0 66-143 5.67 24 Vinyl Acetate 94.18 5.0 ug/L 100 94.2 43-153 3.66 30 cis-1,2-Dichloroethylene 47.83 1.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 96.6 69-144 4.77 | | 98.09 | | _ | | | | | | | |
| Methylene Chloride 50.42 50.0 ug/L 50.0 101 68-142 2.78 21 Acrylonitrile 88.84 5.0 ug/L 100 88.5 67-144 6.30 24 trans-1,2-Dichloroethylene 50.79 1.0 ug/L 50.0 102 66-148 5.67 27 1,1-Dichloroethane 48.98 1.0 ug/L 50.0 98.0 66-143 5.67 24 Vinyl Acetate 94.18 5.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 96.6 69-143 3.11 23 Chloroform 48.30 1.0 ug/L 50.0 96.6 69-144 4.77 <t< td=""><td>•</td><td>114 3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | • | 114 3 | | | | | | | | | |
| Acrylonitrile 88.84 5.0 ug/L 100 88.5 67-144 6.30 24 trans-1,2-Dichloroethylene 50.79 1.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethylene 48.98 1.0 ug/L 50.0 98.0 66-143 5.67 24 Vinyl Acetate 94.18 5.0 ug/L 100 94.2 43-153 3.46 30 cis-1,2-Dichloroethylene 47.83 1.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 102 69-143 3.11 23 Bromochloromethane 51.02 1.0 ug/L 50.0 102 69-143 3.11 23 Carbon Tetrachloride 49.78 1.0 ug/L 50.0 99.6 63-141 5.77 | | | | • | | | | | | | |
| trans-1,2-Dichloroethylene 50.79 1.0 ug/L 50.0 102 66-148 5.57 27 1,1-Dichloroethane 48.98 1.0 ug/L 50.0 98.0 66-143 5.67 24 Vinyl Acetate 94.18 5.0 ug/L 100 94.2 43-153 3.46 30 cis-1,2-Dichloroethylene 47.83 1.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 102 69-143 3.11 23 Ebromochloromethane 51.02 1.0 ug/L 50.0 96.6 69-144 4.47 23 Chloroform 48.30 1.0 ug/L 50.0 96.6 69-144 4.47 23 1,1-Trichloroethane 46.64 1.0 ug/L 50.0 96.6 69-144 4.47 23 1,1-Trichloroethane 48.87 1.0 ug/L 50.0 99.6 63-141 5.77 25 Ebr. 20 1,2-Dichloroethylene 47.62 1.0 ug/L 50.0 99.6 63-141 5.77 25 Ebr. 20 1,2-Dichloroethylene 49.00 1.0 ug/L 50.0 95.2 72-132 2.49 24 1,2-Dichloroethylene 49.30 1.0 ug/L 50.0 98.0 71-135 3.61 24 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.0 69-136 2.54 24 Dibromomethane 50.60 1.0 ug/L 50.0 98.0 69-136 2.54 24 1,2-Dichloropropane 48.54 1.0 ug/L 50.0 98.0 69-136 2.54 24 24 23 Ebromodichloromethane 48.54 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropane 48.22 1.0 ug/L 50.0 96.4 65-134 2.42 23 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 50.0 99.9 67-130 18.1 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 18.1 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 trans-1,3-Dichloropropene 49.957 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethyl | • | | | • | | | | | | | |
| 1,1-Dichloroethane 48.98 1.0 ug/L 50.0 98.0 66-143 5.67 24 Vinyl Acetate 94.18 5.0 ug/L 100 94.2 43-153 3.46 30 cis-1,2-Dichloroethylene 47.83 1.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 50.0 102 69-143 3.11 23 Bromochloromethane 51.02 1.0 ug/L 50.0 96.6 69-143 3.11 23 Chloroform 48.30 1.0 ug/L 50.0 96.6 69-144 4.47 23 1,1,1-Trichloroethane 46.64 1.0 ug/L 50.0 93.3 62-129 5.87 24 Carbon Tetrachloride 49.78 1.0 ug/L 50.0 99.6 63-141 5.77 25 Benzene 48.87 1.0 ug/L 50.0 97.7 71-134 4.15 24 1,2-Dichloroethylene 47.62 1.0 ug/L 50.0 <t< td=""><td>•</td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | • | | | _ | | | | | | | |
| Vinyl Acetate 94.18 5.0 ug/L 100 94.2 43-153 3.46 30 cis-1,2-Dichloroethylene 47.83 1.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 102 78.3 52-159 13.4 27 Bromochloromethane 51.02 1.0 ug/L 50.0 102 69-143 3.11 23 Chloroform 48.30 1.0 ug/L 50.0 96.6 69-144 4.47 23 1,1,1-Trichloroethane 46.64 1.0 ug/L 50.0 93.3 62-129 5.87 24 Carbon Tetrachloride 49.78 1.0 ug/L 50.0 99.6 63-141 5.77 25 Benzene 48.87 1.0 ug/L 50.0 97.7 71-134 4.15 24 1,2-Dichloroptonene 49.00 1.0 ug/L 50.0 98.6 69-136 2.54 <td< td=""><td>•</td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | • | | | • | | | | | | | |
| cis-1,2-Dichloroethylene 47.83 1.0 ug/L 50.0 95.7 71-149 4.86 26 2-Butanone (MEK) 79.76 10.0 ug/L 102 78.3 52-159 13.4 27 Bromochloromethane 51.02 1.0 ug/L 50.0 102 69-143 3.11 23 Chloroform 48.30 1.0 ug/L 50.0 96.6 69-144 4.47 23 1,1,1-Trichloroethane 46.64 1.0 ug/L 50.0 93.3 62-129 5.87 24 Carbon Tetrachloride 49.78 1.0 ug/L 50.0 99.6 63-141 5.77 25 Benzene 48.87 1.0 ug/L 50.0 97.7 71-134 4.15 24 1,2-Dichloropthane 47.62 1.0 ug/L 50.0 98.0 71-135 3.61 24 1,2-Dichloroptopane 49.30 1.0 ug/L 50.0 98.6 69-136 2.54 | | | | • | | | | | | | |
| 2-Butanone (MEK) 79.76 10.0 ug/L 102 78.3 52-159 13.4 27 Bromochloromethane 51.02 1.0 ug/L 50.0 102 69-143 3.11 23 Chloroform 48.30 1.0 ug/L 50.0 96.6 69-144 4.47 23 1,1,1-Trichloroethane 46.64 1.0 ug/L 50.0 99.6 63-141 5.77 25 Benzene 48.87 1.0 ug/L 50.0 99.6 63-141 5.77 25 Benzene 48.87 1.0 ug/L 50.0 99.6 63-141 5.77 25 Benzene 47.62 1.0 ug/L 50.0 99.2 72-132 2.49 24 Trichloroethane 49.00 1.0 ug/L 50.0 99.6 69-136 2.54 24 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.0 71-135 3.61 24 1,2-Dichloropropane 50.60 1.0 ug/L 50.0 98.6 69-136 2.54 24 Dibromomethane 50.60 1.0 ug/L 50.0 98.6 69-136 2.54 24 Cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 99.3 58-147 2.88 27 Toluene 47.13 1.0 ug/L 50.0 99.9 67-130 1.81 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 99.1 69-135 1.34 23 | • | | | • | | | | | | | |
| Bromochloromethane 51.02 1.0 ug/L 50.0 102 69-143 3.11 23 | · · · · · · · · · · · · · · · · · · · | | | _ | | | | | | | |
| Chloroform 48.30 1.0 ug/L 50.0 96.6 69-144 4.47 23 1,1,1-Trichloroethane 46.64 1.0 ug/L 50.0 93.3 62-129 5.87 24 Carbon Tetrachloride 49.78 1.0 ug/L 50.0 99.6 63-141 5.77 25 Benzene 48.87 1.0 ug/L 50.0 97.7 71-134 4.15 24 1,2-Dichloroethane 47.62 1.0 ug/L 50.0 95.2 72-132 2.49 24 Trichloroethylene 49.00 1.0 ug/L 50.0 98.0 71-135 3.61 24 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.6 69-136 2.54 24 Dibromomethane 50.60 1.0 ug/L 50.0 98.6 69-136 2.54 24 Dibromomethane 48.54 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 96.4 65-134 2.42 23 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 100 98.3 58-147 2.88 27 Toluene 47.13 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 99.1 69-135 1.34 23 | | | | _ | | | | 52-159 | 13.4 | 27 | |
| 1,1,1-Trichloroethane 46.64 1.0 ug/L 50.0 93.3 62-129 5.87 24 Carbon Tetrachloride 49.78 1.0 ug/L 50.0 99.6 63-141 5.77 25 Benzene 48.87 1.0 ug/L 50.0 97.7 71-134 4.15 24 1,2-Dichloroethane 47.62 1.0 ug/L 50.0 95.2 72-132 2.49 24 Trichloroethylene 49.00 1.0 ug/L 50.0 98.0 71-135 3.61 24 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.6 69-136 2.54 24 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.6 69-136 2.54 24 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.6 69-136 2.54 24 Dibromomethane 50.60 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 <td>Bromochloromethane</td> <td></td> <td>1.0</td> <td>ug/L</td> <td>50.0</td> <td></td> <td>102</td> <td>69-143</td> <td>3.11</td> <td>23</td> <td></td> | Bromochloromethane | | 1.0 | ug/L | 50.0 | | 102 | 69-143 | 3.11 | 23 | |
| Carbon Tetrachloride 49.78 1.0 ug/L 50.0 99.6 63-141 5.77 25 Benzene 48.87 1.0 ug/L 50.0 97.7 71-134 4.15 24 1,2-Dichloroethane 47.62 1.0 ug/L 50.0 95.2 72-132 2.49 24 Trichloroethylene 49.00 1.0 ug/L 50.0 98.0 71-135 3.61 24 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.6 69-136 2.54 24 Dibromomethane 50.60 1.0 ug/L 50.0 98.6 69-136 2.54 24 Dibromomethane 48.54 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 96.4 65-134 2.42 23 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 100 98.3 58-147 2.88 27 Toluene 47.13 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 96.6 69-130 4.02 25 | Chloroform | | 1.0 | ug/L | 50.0 | | 96.6 | 69-144 | 4.47 | 23 | |
| Benzene 48.87 1.0 ug/L 50.0 97.7 71-134 4.15 24 1,2-Dichloroethane 47.62 1.0 ug/L 50.0 95.2 72-132 2.49 24 Trichloroethylene 49.00 1.0 ug/L 50.0 98.0 71-135 3.61 24 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.6 69-136 2.54 24 Dibromomethane 50.60 1.0 ug/L 50.0 101 73-147 1.61 25 Bromodichloromethane 48.54 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 96.4 65-134 2.42 23 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 50.0 94.3 72-133 3.67 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L | 1,1,1-Trichloroethane | 46.64 | 1.0 | ug/L | 50.0 | | 93.3 | 62-129 | 5.87 | 24 | |
| 1,2-Dichloroethane 47.62 1.0 ug/L 50.0 95.2 72-132 2.49 24 Trichloroethylene 49.00 1.0 ug/L 50.0 98.0 71-135 3.61 24 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.6 69-136 2.54 24 Dibromomethane 50.60 1.0 ug/L 50.0 101 73-147 1.61 25 Bromodichloromethane 48.54 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 96.4 65-134 2.42 23 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 100 98.3 58-147 2.88 27 Toluene 47.13 1.0 ug/L 50.0 94.3 72-133 3.67 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethylene 48.32 1.0 ug/L | Carbon Tetrachloride | 49.78 | 1.0 | ug/L | 50.0 | | 99.6 | 63-141 | 5.77 | 25 | |
| Trichloroethylene 49.00 1.0 ug/L 50.0 98.0 71-135 3.61 24 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.6 69-136 2.54 24 Dibromomethane 50.60 1.0 ug/L 50.0 101 73-147 1.61 25 Bromodichloromethane 48.54 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 96.4 65-134 2.42 23 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 100 98.3 58-147 2.88 27 Toluene 47.13 1.0 ug/L 50.0 94.3 72-133 3.67 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L | Benzene | 48.87 | 1.0 | ug/L | 50.0 | | 97.7 | 71-134 | 4.15 | 24 | |
| 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.6 69-136 2.54 24 Dibromomethane 50.60 1.0 ug/L 50.0 101 73-147 1.61 25 Bromodichloromethane 48.54 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 96.4 65-134 2.42 23 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 100 98.3 58-147 2.88 27 Toluene 47.13 1.0 ug/L 50.0 94.3 72-133 3.67 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 96.6 69-130 4.02 25 | 1,2-Dichloroethane | 47.62 | 1.0 | ug/L | 50.0 | | 95.2 | 72-132 | 2.49 | 24 | |
| 1,2-Dichloropropane 49.30 1.0 ug/L 50.0 98.6 69-136 2.54 24 Dibromomethane 50.60 1.0 ug/L 50.0 101 73-147 1.61 25 Bromodichloromethane 48.54 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 96.4 65-134 2.42 23 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 100 98.3 58-147 2.88 27 Toluene 47.13 1.0 ug/L 50.0 94.3 72-133 3.67 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 96.6 69-130 4.02 25 | Trichloroethylene | 49.00 | 1.0 | ug/L | 50.0 | | 98.0 | 71-135 | 3.61 | 24 | |
| Dibromomethane 50.60 1.0 ug/L 50.0 101 73-147 1.61 25 Bromodichloromethane 48.54 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 96.4 65-134 2.42 23 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 100 98.3 58-147 2.88 27 Toluene 47.13 1.0 ug/L 50.0 94.3 72-133 3.67 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 96.6 69-130 4.02 25 | | 49.30 | 1.0 | _ | | | | | | | |
| Bromodichloromethane 48.54 1.0 ug/L 50.0 97.1 68-129 2.88 22 cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 96.4 65-134 2.42 23 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 100 98.3 58-147 2.88 27 Toluene 47.13 1.0 ug/L 50.0 94.3 72-133 3.67 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 96.6 69-130 4.02 25 | ··· | 50.60 | | _ | | | | | | | |
| cis-1,3-Dichloropropene 48.22 1.0 ug/L 50.0 96.4 65-134 2.42 23 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 100 98.3 58-147 2.88 27 Toluene 47.13 1.0 ug/L 50.0 94.3 72-133 3.67 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 96.6 69-130 4.02 25 | | | | | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) 98.38 5.0 ug/L 100 98.3 58-147 2.88 27 Toluene 47.13 1.0 ug/L 50.0 94.3 72-133 3.67 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 96.6 69-130 4.02 25 | | | | _ | | | | | | | |
| Toluene 47.13 1.0 ug/L 50.0 94.3 72-133 3.67 24 trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 96.6 69-130 4.02 25 | | | | _ | | | | | | | |
| trans-1,3-Dichloropropene 49.94 1.0 ug/L 50.0 99.9 67-130 1.81 24 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 96.6 69-130 4.02 25 | | | | _ | | | | | | | |
| 1,1,2-Trichloroethane 49.57 1.0 ug/L 50.0 99.1 69-135 1.34 23 Tetrachloroethylene 48.32 1.0 ug/L 50.0 96.6 69-130 4.02 25 | | | | _ | | | | | | | |
| Tetrachloroethylene 48.32 1.0 ug/L 50.0 96.6 69-130 4.02 25 | · · | | | • | | | | | | | |
| , | | | | _ | | | | | | | |
| 2-Hexanone (MBK) 100.7 5.0 ug/L 99.3 101 55-144 3.17 25 | · | | | _ | | | | | | | |
| | 2-Hexanone (MBK) | 100.7 | 5.0 | ug/L | 99.3 | | 101 | 55-144 | 3.17 | 25 | |



1HD1532

| | | | | Spike | Source | | %REC | | RPD | |
|--|-------------------------|---------------------|---------------|--------------|-------------|--------------|---------------------|--------|-------|------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Note |
| Batch 1HD1408 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| .CS Dup (1HD1408-BSD1) | | | Prepared: 04 | 4/23/24 00:0 | 0 Analyzed: | 04/23/24 1 | 0:01 | | | |
| Dibromochloromethane | 50.39 | 1.0 | ug/L | 50.0 | | 101 | 73-127 | 1.26 | 22 | |
| 1,2-Dibromoethane | 49.13 | 1.0 | ug/L | 50.0 | | 98.3 | 67-132 | 1.96 | 24 | |
| Chlorobenzene | 48.76 | 1.0 | ug/L | 50.0 | | 97.5 | 72-123 | 2.79 | 23 | |
| 1,1,1,2-Tetrachloroethane | 49.84 | 1.0 | ug/L | 50.0 | | 99.7 | 73-127 | 3.68 | 24 | |
| Ethylbenzene | 49.99 | 1.0 | ug/L | 50.0 | | 100 | 71-127 | 3.90 | 26 | |
| Xylenes, total | 151.5 | 2.0 | ug/L | 150 | | 101 | 74-127 | 3.78 | 25 | |
| Styrene | 51.92 | 1.0 | ug/L | 50.0 | | 104 | 66-126 | 3.09 | 23 | |
| Bromoform | 47.28 | 1.0 | ug/L | 50.0 | | 94.6 | 68-130 | 1.72 | 23 | |
| 1,2,3-Trichloropropane | 48.94 | 1.0 | ug/L | 50.0 | | 97.9 | 63-136 | 1.16 | 24 | |
| trans-1,4-Dichloro-2-butene | 90.17 | 5.0 | ug/L | 103 | | 87.7 | 54-134 | 1.95 | 27 | |
| 1,1,2,2-Tetrachloroethane | 48.79 | 1.0 | ug/L | 50.0 | | 97.6 | 61-131 | 0.0410 | 29 | |
| 1,4-Dichlorobenzene | 47.97 | 1.0 | ug/L | 50.0 | | 95.9 | 70-129 | 2.84 | 24 | |
| 1.2-Dichlorobenzene | 50.06 | 1.0 | ug/L | 50.0 | | 100 | 69-126 | 1.74 | 26 | |
| 1,2-Dibromo-3-chloropropane | 47.42 | 5.0 | ug/L | 50.0 | | 94.8 | 50-143 | 1.06 | 30 | |
| Surrogate: Dibromofluoromethane | 50.9 | | ua/l | 50.2 | | 102 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 50.9 50.9 | | ug/L ug/L | 50.2 50.2 | | 102 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.9 | | ug/L | 50.2 50.1 | | 99.6 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.9 | | ug/L | 50.1 | | 99.6 | 61-142 | | | |
| Surrogate: Toluene-d8 | 50.3 | | ug/L | 50.4 | | 99.8 | 87-116 | | | |
| Surrogate: Toluene-d8 | 50.3 | | ug/L | 50.4 | | 99.8 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.3 | | ug/L | 50.1 | | 100 | 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.3 | | ug/L | 50.1 | | 100 | 80-116 | | | |
| Matrix Spike (1HD1408-MS1) | | HD1532-04 | Prepared: 04 | 4/23/24 00:0 | 0 Analyzed: | 04/23/24 1 | 9:51 | | | |
| Chloromethane | 321.3 | 10.0 | ug/L | 306 | ND | 105 | 61-152 | | | |
| Vinyl Chloride | 319.2 | 10.0 | ug/L | 302 | ND | 106 | 66-149 | | | |
| Bromomethane | 222.6 | 10.0 | ug/L | 288 | ND | 77.3 | 43-171 | | | |
| Chloroethane | 351.5 | 10.0 | ug/L | 316 | ND | 111 | 69-148 | | | |
| Trichlorofluoromethane | 326.4 | 10.0 | ug/L | 326 | ND | 100 | 62-163 | | | |
| 1,1-Dichloroethylene | 470.3 | 10.0 | ug/L | 500 | ND | 94.1 | 70-148 | | | |
| Acetone | 873.1 | 100 | ug/L | 1010 | ND | 86.3 | 45-173 | | | |
| Methyl Iodide | 983.3 | 10.0 | ug/L | 1020 | ND | 96.5 | 62-167 | | | |
| Carbon Disulfide | 1080 | 10.0 | ug/L | 1030 | ND | 105 | 71-163 | | | |
| Methylene Chloride | 464.0 | 50.0 | ug/L | 500 | ND | 92.8 | 69-140 | | | |
| Acrylonitrile | 933.4 | 50.0 | ug/L | 1000 | ND | 93.0 | 58-151 | | | |
| trans-1,2-Dichloroethylene | 473.0 | 10.0 | ug/L | 500 | ND | 94.6 | 69-144 | | | |
| 1,1-Dichloroethane | 465.8 | 10.0 | ug/L | 500 | ND | 93.2 | 70-138 | | | |
| • | 903.2 | 50.0 | ug/L | 1000 | ND | 90.3 | 58-142 | | | |
| Vinvl Acetate | 303.2 | | ~ g, – | | 110 | | | | | |
| | | | ua/l | 500 | ND | 108 | 68 ₋ 151 | | | |
| Vinyl Acetate cis-1,2-Dichloroethylene 2-Butanone (MEK) | 541.4 | 10.0 | ug/L | 500 1020 | ND | 108 96.5 | 68-151 | | | |
| cis-1,2-Dichloroethylene 2-Butanone (MEK) | 541.4 982.2 | 10.0 100 | ug/L | 1020 | ND | 96.5 | 50-160 | | | |
| cis-1,2-Dichloroethylene 2-Butanone (MEK) Bromochloromethane | 541.4 982.2 480.7 | 10.0 100 10.0 | ug/L ug/L | 1020 500 | ND ND | 96.5 96.1 | 50-160 65-143 | | | |
| | 541.4 982.2 | 10.0 100 | ug/L | 1020 | ND | 96.5 | 50-160 | | | |



1HD1532

Units

RL

Determination of Volatile

Result

Spike Source

Result %REC

Level

%REC

Limits

RPD

Limit

RPD

Notes

| Organic Compounds | Result | KL | Units | Level | Result | %REC | Limits | KPD | Limit | |
|--|------------|------------|--------------|--------------|-------------|--------------|------------------|------|----------|--|
| Batch 1HD1408 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike (1HD1408-MS1) | | IHD1532-04 | Prepared: 04 | 4/23/24 00:0 | 0 Analyzed: | 04/23/24 1 | 9:51 | | | |
| Benzene | 485.0 | 10.0 | ug/L | 500 | ND | 97.0 | 69-133 | | | |
| 1,2-Dichloroethane | 475.0 | 10.0 | ug/L | 500 | ND | 95.0 | 63-138 | | | |
| Trichloroethylene | 480.4 | 10.0 | ug/L | 500 | ND | 96.1 | 71-133 | | | |
| 1,2-Dichloropropane | 487.6 | 10.0 | ug/L | 500 | ND | 97.5 | 69-132 | | | |
| Dibromomethane | 503.7 | 10.0 | ug/L | 500 | ND | 101 | 70-147 | | | |
| Bromodichloromethane | 469.7 | 10.0 | ug/L | 500 | ND | 93.9 | 67-130 | | | |
| cis-1,3-Dichloropropene | 458.1 | 10.0 | ug/L | 500 | ND | 91.6 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1065 | 50.0 | ug/L | 1000 | ND | 106 | 55-147 | | | |
| Toluene | 468.3 | 10.0 | ug/L | 500 | ND | 93.7 | 71-133 | | | |
| trans-1,3-Dichloropropene | 480.0 | 10.0 | ug/L | 500 | ND | 96.0 | 63-124 | | | |
| 1,1,2-Trichloroethane | 494.9 | 10.0 | ug/L | 500 | ND | 99.0 | 69-133 | | | |
| Tetrachloroethylene | 482.8 | 10.0 | ug/L | 500 | ND | 96.6 | 70-124 | | | |
| 2-Hexanone (MBK) | 1110 | 50.0 | ug/L | 993 | ND | 112 | 53-141 | | | |
| Dibromochloromethane | 488.7 | 10.0 | ug/L | 500 | ND | 97.7 | 74-122 | | | |
| 1,2-Dibromoethane | 506.1 | 10.0 | ug/L | 500 | ND | 101 | | | | |
| Chlorobenzene | 487.5 | 10.0 | _ | | | | 66-127 | | | |
| | 492.3 | | ug/L | 500 | ND | 97.5 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 501.3 | 10.0 | ug/L | 500 | ND | 98.5 | 77-121 | | | |
| Ethylbenzene | | 10.0 | ug/L | 500 | ND | 100 | 73-124 | | | |
| Xylenes, total | 1511 | 20.0 | ug/L | 1500 | ND | 101 | 75-123 | | | |
| Styrene | 521.7 | 10.0 | ug/L | 500 | ND | 104 | 70-120 | | | |
| Bromoform | 468.8 | 10.0 | ug/L | 500 | ND | 93.8 | 70-124 | | | |
| 1,2,3-Trichloropropane | 503.8 | 10.0 | ug/L | 500 | ND | 101 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 896.7 | 50.0 | ug/L | 1030 | ND | 87.2 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 499.7 | 10.0 | ug/L | 500 | ND | 99.9 | 63-126 | | | |
| 1,4-Dichlorobenzene | 481.2 | 10.0 | ug/L | 500 | ND | 96.2 | 72-119 | | | |
| 1,2-Dichlorobenzene | 500.8 | 10.0 | ug/L | 500 | ND | 100 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 494.5 | 50.0 | ug/L | 500 | ND | 98.9 | 49-134 | | | |
| Surrogate: Dibromofluoromethane | 472 | | ug/L | 502 | | 94.1 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 472 | | ug/L | 502 | | 94.1 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 471 | | ug/L | 501 | | 94.0 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 471 | | ug/L | 501 | | 94.0 | 61-142 | | | |
| Surrogate: Toluene-d8 | 499 | | ug/L | 504 | | 99.0 | 87-116 | | | |
| Surrogate: Toluene-d8 Surrogate: 4-Bromofluorobenzene | 499 499 | | ug/L | 504 501 | | 99.0 99.5 | 82-121 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 499 499 | | ug/L ug/L | 501 501 | | 99.5 99.5 | 80-111 | | | |
| latrix Spike Dup (1HD1408-MSD1) | | IHD1532-04 | Prepared: 04 | | 0 Analvzed: | | | | | |
| Chloromethane | 302.2 | 10.0 | ug/L | 306 | ND | 98.6 | 61-152 | 6.13 | 26 | |
| Vinyl Chloride | 300.5 | 10.0 | ug/L ug/L | 302 | ND ND | 99.4 | 66-149 | 6.04 | 26 23 | |
| Bromomethane | 229.6 | 10.0 | • | | | | | | | |
| Chloroethane | 336.9 | | ug/L | 288 | ND | 79.7 | 43-171 | 3.10 | 29 | |
| | 314.4 | 10.0 | ug/L | 316 | ND | 106 | 69-148 | 4.24 | 25 | |
| Trichlorofluoromethane | | 10.0 | ug/L | 326 | ND | 96.4 | 62-163 | 3.75 | 25 | |
| 1,1-Dichloroethylene | 448.3 | 10.0 | ug/L | 500 | ND | 89.7 | 70-148 | 4.79 | 22 | |
| Acetone | 851.0 | 100 | ug/L | 1010 | ND | 84.1 | 45-173 | 2.56 | 30 | |



| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|--------------|--------------|----------------|------------------|--------------|------------------|----------------------|--------------|-------|
| Batch 1HD1408 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike Dup (1HD1408-MSD1) | | 1HD1532-04 | Prepared: 04 | 4/23/24 00:0 | 00 Analyzed: | 04/23/24 2 | 0:14 | | | |
| Methyl lodide | 1030 | 10.0 | ug/L | 1020 | ND | 101 | 62-167 | 4.65 | 24 | |
| Carbon Disulfide | 1014 | 10.0 | ug/L | 1030 | ND | 98.7 | 71-163 | 6.31 | 22 | |
| Methylene Chloride | 447.2 | 50.0 | ug/L | 500 | ND | 89.4 | 69-140 | 3.69 | 19 | |
| Acrylonitrile | 914.8 | 50.0 | ug/L | 1000 | ND | 91.2 | 58-151 | 2.01 | 15 | |
| trans-1,2-Dichloroethylene | 450.8 | 10.0 | ug/L | 500 | ND | 90.2 | 69-144 | 4.81 | 22 | |
| 1,1-Dichloroethane | 444.2 | 10.0 | ug/L | 500 | ND | 88.8 | 70-138 | 4.75 | 20 | |
| Vinyl Acetate | 988.4 | 50.0 | ug/L | 1000 | ND | 98.8 | 58-142 | 9.01 | 24 | |
| cis-1,2-Dichloroethylene | 520.3 | 10.0 | ug/L | 500 | ND | 104 | 68-151 | 3.97 | 22 | |
| 2-Butanone (MEK) | 963.8 | 100 | ug/L | 1020 | ND | 94.7 | 50-160 | 1.89 | 23 | |
| Bromochloromethane | 456.4 | 10.0 | ug/L | 500 | ND | 91.3 | 65-143 | 5.19 | 22 | |
| Chloroform | 435.1 | 10.0 | ug/L | 500 | ND | 87.0 | 71-143 | 3.19 | 21 | |
| 1,1,1-Trichloroethane | 423.1 | 10.0 | ug/L | 500 | ND | 84.6 | 63-133 | 3.80 | 23 | |
| Carbon Tetrachloride | 436.9 | 10.0 | ug/L | 500 | ND | 87.4 | 63-142 | 1.29 | 22 | |
| Benzene | 469.9 | 10.0 | ug/L | 500 | ND | 94.0 | 69-133 | 3.16 | 18 | |
| 1,2-Dichloroethane | 459.9 | 10.0 | ug/L | 500 | ND | 92.0 | 63-138 | 3.10 | 20 | |
| Trichloroethylene | 462.8 | 10.0 | ug/L | 500 | ND | 92.6 | 71-133 | 3.73 | 23 | |
| 1,2-Dichloropropane | 469.6 | 10.0 | ug/L | 500 | ND | 93.9 | 69-132 | 3.76 | 20 | |
| Dibromomethane | 488.3 | 10.0 | ug/L | 500 | ND | 97.7 | | 3.10 | 22 | |
| Bromodichloromethane | 458.7 | 10.0 | ug/L | 500 | ND | 91.7 | 70-147 67-130 | 2.37 | 21 | |
| cis-1,3-Dichloropropene | 443.2 | 10.0 | ug/L | 500 | ND | 88.6 | | 2.3 <i>1</i> 3.31 | | |
| 4-Methyl-2-pentanone (MIBK) | 1047 | 50.0 | ug/L ug/L | 1000 | ND ND | 105 | 61-126 | 3.31 1.70 | 21 | |
| Toluene | 454.6 | 10.0 | ug/L ug/L | 500 | ND ND | 90.9 | 55-147 | 2.97 | 23 | |
| trans-1,3-Dichloropropene | 463.1 | 10.0 | ug/L ug/L | 500 | ND ND | 90.9 | 71-133 | 3.58 | 19 21 | |
| 1,1,2-Trichloroethane | 483.8 | 10.0 | _ | 500 | | | 63-124 | | | |
| | 475.0 | | ug/L | | ND | 96.8 | 69-133 | 2.27 | 19 | |
| Tetrachloroethylene | 1090 | 10.0 50.0 | ug/L | 500 993 | ND | 95.0 | 70-124 | 1.63 | 24 | |
| 2-Hexanone (MBK) Dibromochloromethane | 483.7 | 10.0 | ug/L | | ND | 110 | 53-141 | 1.75 | 24 | |
| 1,2-Dibromoethane | 493.1 | 10.0 | ug/L | 500 | ND | 96.7 98.6 | 74-122 | 1.03 | 21 | |
| | 472.5 | | ug/L | 500 | ND | | 66-127 | 2.60 | 23 | |
| Chlorobenzene | 482.4 | 10.0 | ug/L | 500 | ND | 94.5 | 76-116 | 3.12 | 21 | |
| 1,1,1,2-Tetrachloroethane | 489.5 | 10.0 | ug/L | 500 | ND | 96.5 | 77-121 | 2.03 | 25 | |
| Ethylbenzene | 1481 | 10.0 | ug/L | 500 | ND | 97.9 | 73-124 | 2.38 | 20 | |
| Xylenes, total | 507.0 | 20.0 | ug/L | 1500 | ND | 98.7 | 75-123 | 1.99 | 20 | |
| Styrene Bromoform | 468.7 | 10.0 | ug/L | 500 500 | ND | 101 | 70-120 | 2.86 | 23 | |
| | 501.0 | 10.0 | ug/L | 500 500 | ND | 93.7 | 70-124 | 0.0213 | 22 | |
| 1,2,3-Trichloropropane | 889.4 | 10.0 | ug/L | 500 | ND | 100 | 62-135 | 0.557 | 28 | |
| trans-1,4-Dichloro-2-butene | | 50.0 | ug/L | 1030 | ND | 86.5 | 50-120 | 0.817 | 26 | |
| 1,1,2,2-Tetrachloroethane | 491.2 | 10.0 | ug/L | 500 | ND | 98.2 | 63-126 | 1.72 | 24 | |
| 1,4-Dichlorobenzene | 465.2 | 10.0 | ug/L | 500 | ND | 93.0 | 72-119 | 3.38 | 24 | |
| 1,2-Dichlorobenzene | 484.4 | 10.0 | ug/L | 500 | ND | 96.9 | 71-117 | 3.33 | 24 | |
| 1,2-Dibromo-3-chloropropane | 483.8 | 50.0 | ug/L | 500 | ND | 96.8 | 49-134 | 2.19 | 28 | |
| Surrogate: Dibromofluoromethane | 469 | | ug/L | 502 | | 93.5 | 80-126 | | | |
| Currente: Dibremeflueremethene | 100 | | | 500 | | 00.5 | 75 406 | | | |

ug/L

502

93.5

75-136

Surrogate: Dibromofluoromethane



CERTIFICATE OF ANALYSIS

1HD1532

| | | | | Spike | Source | | %REC | | RPD | |
|---|---------|------------|--------------|--------------|-------------|------------|--------|-----|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1408 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike Dup (1HD1408-MSD1) | Source: | 1HD1532-04 | Prepared: 04 | 4/23/24 00:0 | 0 Analyzed: | 04/23/24 2 | 20:14 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 464 | | ug/L | 501 | | 92.7 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 464 | | ug/L | 501 | | 92.7 | 61-142 | | | |
| Surrogate: Toluene-d8 | 497 | | ug/L | 504 | | 98.7 | 87-116 | | | |
| Surrogate: Toluene-d8 | 497 | | ug/L | 504 | | 98.7 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 499 | | ug/L | 501 | | 99.5 | 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 499 | | ug/L | 501 | | 99.5 | 80-116 | | | |
| Batch 1HD1572 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Blank (1HD1572-BLK1) | | | Prepared: 04 | 4/25/24 00:0 | 0 Analyzed: | 04/25/24 1 | 0:53 | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Acetone | <10.0 | 10.0 | ug/L | | | | | | | |
| Methyl lodide | <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 ug/L | | | | | | | |
| | <1.0 | | - | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | | 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 | | | | | | | |



CERTIFICATE OF ANALYSIS

1HD1532

Spike Source

| | | | | Spike | Source | | %REC | | RPD | |
|---|---------|------|--------------|--------------|-------------|------------|--------|-----|-------|------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Note |
| Batch 1HD1572 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| Blank (1HD1572-BLK1) | | | Prepared: 04 | 1/25/24 00:0 | 0 Analyzed: | 04/25/24 1 | 0:53 | | | |
| 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 | _ | | | | | | | |
| 1,2-Dibroffio-3-Cilioroproparie | | 5.0 | ug/L | | | | | | | |
| Surrogate: Dibromofluoromethane | 45.9 | | ug/L | 50.2 | | 91.4 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 45.9 | | ug/L | 50.2 | | 91.4 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 47.5 | | ug/L | 50.1 | | 94.9 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 47.5 | | ug/L | 50.1 | | 94.9 | 61-142 | | | |
| Surrogate: Toluene-d8 | 49.0 | | ug/L | 50.4 | | 97.2 | 87-116 | | | |
| Surrogate: Toluene-d8 | 49.0 | | ug/L | 50.4 | | 97.2 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 48.4 | | ug/L | 50.1 | | 96.6 | 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 48.4 | | ug/L | 50.1 | | 96.6 | 80-116 | | | |
| .CS (1HD1572-BS1) | | | Prepared: 04 | 1/25/24 00:0 | 0 Analyzed: | 04/25/24 0 | | | | |
| Chloromethane | 31.87 | 1.0 | ug/L | 30.6 | | 104 | 63-155 | | | |
| Vinyl Chloride | 31.27 | 1.0 | ug/L | 30.2 | | 103 | 70-154 | | | |
| Bromomethane | 27.29 | 1.0 | ug/L | 28.8 | | 94.8 | 52-176 | | | |
| Chloroethane | 34.72 | 1.0 | ug/L | 31.6 | | 110 | 72-148 | | | |
| Trichlorofluoromethane | 31.60 | 1.0 | ug/L | 32.6 | | 96.9 | 70-152 | | | |
| 1,1-Dichloroethylene | 46.16 | 1.0 | ug/L | 50.0 | | 92.3 | 70-148 | | | |
| Acetone | 77.88 | 10.0 | ug/L | 101 | | 77.0 | 43-172 | | | |
| Methyl Iodide | 90.24 | 1.0 | ug/L | 102 | | 88.6 | 69-170 | | | |
| Carbon Disulfide | 103.5 | 1.0 | ug/L | 103 | | 101 | 72-162 | | | |
| Methylene Chloride | 45.98 | 5.0 | ug/L | 50.0 | | 92.0 | 68-142 | | | |
| Acrylonitrile | 89.09 | 5.0 | ug/L | 100 | | 88.8 | 67-144 | | | |
| trans-1,2-Dichloroethylene | 47.10 | 1.0 | ug/L | 50.0 | | 94.2 | 66-148 | | | |
| 1,1-Dichloroethane | 46.09 | 1.0 | ug/L | 50.0 | | 92.2 | 66-143 | | | |
| Vinyl Acetate | 103.5 | 5.0 | ug/L | 100 | | 103 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 44.41 | 1.0 | ug/L | 50.0 | | 88.8 | 71-149 | | | |
| 2-Butanone (MEK) | 98.28 | 10.0 | ug/L ug/L | 102 | | 96.5 | | | | |
| Bromochloromethane | 46.58 | | _ | | | | 52-159 | | | |
| | 44.67 | 1.0 | ug/L | 50.0 | | 93.2 | 69-143 | | | |
| Chloroform | 43.41 | 1.0 | ug/L | 50.0 | | 89.3 | 69-144 | | | |
| 1,1,1-Trichloroethane | | 1.0 | ug/L | 50.0 | | 86.8 | 62-129 | | | |
| Carbon Tetrachloride | 46.00 | 1.0 | ug/L ug/L | 50.0 | | 92.0 | 63-141 | | | |

Microbac Laboratories, Inc., Newton

RPD

%REC



1HD1532

| | | | | Spike | Source | | %REC | | RPD | Notes |
|--|--------------|-----|--------------|--------------|-------------|--------------|------------------|--------------|----------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1572 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| CS (1HD1572-BS1) | | | Prepared: 04 | 1/25/24 00:0 | 0 Analyzed: | 04/25/24 0 | 9:45 | | | |
| Benzene | 48.21 | 1.0 | ug/L | 50.0 | <u> </u> | 96.4 | 71-134 | | | |
| 1,2-Dichloroethane | 46.27 | 1.0 | ug/L | 50.0 | | 92.5 | 72-132 | | | |
| Trichloroethylene | 47.24 | 1.0 | ug/L | 50.0 | | 94.5 | 71-135 | | | |
| 1,2-Dichloropropane | 48.29 | 1.0 | ug/L | 50.0 | | 96.6 | 69-136 | | | |
| Dibromomethane | 48.39 | 1.0 | ug/L | 50.0 | | 96.8 | 73-147 | | | |
| Bromodichloromethane | 46.91 | 1.0 | ug/L | 50.0 | | 93.8 | 68-129 | | | |
| cis-1,3-Dichloropropene | 46.00 | 1.0 | ug/L | 50.0 | | 92.0 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 99.66 | 5.0 | ug/L | 100 | | 99.6 | 58-147 | | | |
| Toluene | 46.08 | 1.0 | ug/L | 50.0 | | 92.2 | 72-133 | | | |
| trans-1,3-Dichloropropene | 48.01 | 1.0 | ug/L | 50.0 | | 96.0 | 67-130 | | | |
| 1,1,2-Trichloroethane | 48.29 | 1.0 | ug/L ug/L | 50.0 | | 96.6 | | | | |
| Tetrachloroethylene | 47.47 | 1.0 | ug/L ug/L | 50.0 | | 96.6 94.9 | 69-135 69-130 | | | |
| 2-Hexanone (MBK) | 104.2 | 5.0 | ug/L | 99.3 | | 94.9 105 | | | | |
| Dibromochloromethane | 49.44 | 1.0 | _ | | | | 55-144 | | | |
| | 48.54 | | ug/L | 50.0 | | 98.9 | 73-127 | | | |
| 1,2-Dibromoethane | 48.15 | 1.0 | ug/L | 50.0 | | 97.1 | 67-132 | | | |
| Chlorobenzene | 49.04 | 1.0 | ug/L | 50.0 | | 96.3 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | | 1.0 | ug/L | 50.0 | | 98.1 | 73-127 | | | |
| Ethylbenzene | 49.63 | 1.0 | ug/L | 50.0 | | 99.3 | 71-127 | | | |
| Xylenes, total | 150.2 | 2.0 | ug/L | 150 | | 100 | 74-127 | | | |
| Styrene | 51.38 | 1.0 | ug/L | 50.0 | | 103 | 66-126 | | | |
| Bromoform | 46.93 | 1.0 | ug/L | 50.0 | | 93.9 | 68-130 | | | |
| 1,2,3-Trichloropropane | 48.22 | 1.0 | ug/L | 50.0 | | 96.4 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 88.46 | 5.0 | ug/L | 103 | | 86.1 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 49.14 | 1.0 | ug/L | 50.0 | | 98.3 | 61-131 | | | |
| 1,4-Dichlorobenzene | 47.71 | 1.0 | ug/L | 50.0 | | 95.4 | 70-129 | | | |
| 1,2-Dichlorobenzene | 49.58 | 1.0 | ug/L | 50.0 | | 99.2 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 47.66 | 5.0 | ug/L | 50.0 | | 95.3 | 50-143 | | | |
| Surrogate: Dibromofluoromethane | 46.3 | | ug/L | 50.2 | | 92.2 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 46.3 | | ug/L | 50.2 | | 92.2 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 46.8 | | ug/L | 50.1 | | 93.5 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 46.8 | | ug/L | 50.1 | | 93.5 | 61-142 | | | |
| Surrogate: Toluene-d8 Surrogate: Toluene-d8 | 49.6 49.6 | | ug/L | 50.4 | | 98.3 | 87-116 82-121 | | | |
| Surrogate: 1011ene-uo Surrogate: 4-Bromofluorobenzene | 50.0 | | ug/L ug/L | 50.4 50.1 | | 98.3 99.8 | 82-121 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.0 | | ug/L | 50.1 | | 99.8 | 80-116 | | | |
| CS Dup (1HD1572-BSD1) | 55.5 | | Prepared: 04 | | 0 Analyzed: | | | | | |
| Chloromethane | 30.48 | 1.0 | ug/L | 30.6 | | 99.5 | 63-155 | 4.46 | 24 | |
| Vinyl Chloride | 29.91 | 1.0 | ug/L | 30.2 | | 99.0 | 70-154 | 4.45 | 25 | |
| Bromomethane | 26.94 | 1.0 | ug/L | 28.8 | | 93.5 | 52-176 | 1.29 | 27 | |
| Chloroethane | 33.02 | 1.0 | ug/L | 31.6 | | 104 | 72-148 | 5.02 | 25 | |
| Trichlorofluoromethane | 30.17 | 1.0 | ug/L | 32.6 | | 92.5 | 70-152 | 4.63 | 26 | |
| 1,1-Dichloroethylene | 44.10 | 1.0 | ug/L | 50.0 | | 88.2 | 70-152 70-148 | 4.63 4.56 | 26 24 | |
| 1, 1 DISTRICTOCKTYROTTE | 79.15 | 1.0 | ug/L | 50.0 | | 00.2 | 10-140 | 4.50 | ∠4 | |



| Determination of Valatile | D H | D. | 11 | Spike | Source | 0/ DEO | %REC | 222 | RPD | Notes |
|---|----------|------|--------------|--------------|--------------|------------|--------|-------|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | |
| Batch 1HD1572 - EPA 5030B - EF | NA 9260B | | | | | | | | | |
| Balch 1HD1572 - EPA 5030B - EF | A 0200B | | | | | | | | | |
| LCS Dup (1HD1572-BSD1) | | | Prepared: 04 | 4/25/24 00:0 | 00 Analyzed: | 04/25/24 1 | 0:07 | | | |
| Methyl lodide | 85.49 | 1.0 | ug/L | 102 | | 83.9 | 69-170 | 5.41 | 30 | |
| Carbon Disulfide | 98.52 | 1.0 | ug/L | 103 | | 95.9 | 72-162 | 4.91 | 24 | |
| Methylene Chloride | 44.51 | 5.0 | ug/L | 50.0 | | 89.0 | 68-142 | 3.25 | 21 | |
| Acrylonitrile | 88.98 | 5.0 | ug/L | 100 | | 88.7 | 67-144 | 0.124 | 24 | |
| trans-1,2-Dichloroethylene | 44.92 | 1.0 | ug/L | 50.0 | | 89.8 | 66-148 | 4.74 | 27 | |
| 1,1-Dichloroethane | 44.42 | 1.0 | ug/L | 50.0 | | 88.8 | 66-143 | 3.69 | 24 | |
| Vinyl Acetate | 97.13 | 5.0 | ug/L | 100 | | 97.1 | 43-153 | 6.31 | 30 | |
| cis-1,2-Dichloroethylene | 52.28 | 1.0 | ug/L | 50.0 | | 105 | 71-149 | 16.3 | 26 | |
| 2-Butanone (MEK) | 92.77 | 10.0 | ug/L | 102 | | 91.1 | 52-159 | 5.77 | 27 | |
| Bromochloromethane | 44.92 | 1.0 | ug/L | 50.0 | | 89.8 | 69-143 | 3.63 | 23 | |
| Chloroform | 43.06 | 1.0 | ug/L | 50.0 | | 86.1 | 69-144 | 3.67 | 23 | |
| 1,1,1-Trichloroethane | 41.29 | 1.0 | ug/L | 50.0 | | 82.6 | 62-129 | 5.01 | 24 | |
| Carbon Tetrachloride | 43.89 | 1.0 | ug/L | 50.0 | | 87.8 | 63-141 | 4.69 | 25 | |
| Benzene | 46.39 | 1.0 | ug/L | 50.0 | | 92.8 | 71-134 | 3.85 | 24 | |
| 1,2-Dichloroethane | 45.26 | 1.0 | ug/L | 50.0 | | 90.5 | 72-132 | 2.21 | 24 | |
| Trichloroethylene | 45.57 | 1.0 | ug/L | 50.0 | | 91.1 | 71-135 | 3.60 | 24 | |
| 1,2-Dichloropropane | 46.95 | 1.0 | ug/L | 50.0 | | 93.9 | 69-136 | 2.81 | 24 | |
| Dibromomethane | 47.71 | 1.0 | ug/L | 50.0 | | 95.4 | 73-147 | 1.42 | 25 | |
| Bromodichloromethane | 45.70 | 1.0 | ug/L | 50.0 | | 91.4 | 68-129 | 2.61 | 22 | |
| cis-1,3-Dichloropropene | 45.21 | 1.0 | ug/L | 50.0 | | 90.4 | 65-134 | 1.73 | 23 | |
| 4-Methyl-2-pentanone (MIBK) | 100.4 | 5.0 | ug/L | 100 | | 100 | 58-147 | 0.750 | 27 | |
| Toluene | 44.67 | 1.0 | ug/L | 50.0 | | 89.3 | 72-133 | 3.11 | 24 | |
| trans-1,3-Dichloropropene | 47.20 | 1.0 | ug/L | 50.0 | | 94.4 | 67-130 | 1.70 | 24 | |
| 1,1,2-Trichloroethane | 47.28 | 1.0 | ug/L | 50.0 | | 94.6 | 69-135 | 2.11 | 23 | |
| Tetrachloroethylene | 45.29 | 1.0 | ug/L | 50.0 | | 90.6 | 69-130 | 4.70 | 25 | |
| 2-Hexanone (MBK) | 104.5 | 5.0 | ug/L | 99.3 | | 105 | 55-144 | 0.230 | 25 | |
| Dibromochloromethane | 48.16 | 1.0 | ug/L | 50.0 | | 96.3 | 73-127 | 2.62 | 22 | |
| 1,2-Dibromoethane | 47.80 | 1.0 | ug/L | 50.0 | | 95.6 | 67-132 | 1.54 | 24 | |
| Chlorobenzene | 46.58 | 1.0 | ug/L | 50.0 | | 93.2 | 72-123 | 3.31 | 23 | |
| 1,1,1,2-Tetrachloroethane | 47.89 | 1.0 | ug/L | 50.0 | | 95.8 | 73-127 | 2.37 | 24 | |
| Ethylbenzene | 47.82 | 1.0 | ug/L | 50.0 | | 95.6 | 71-127 | 3.71 | 26 | |
| Xylenes, total | 145.6 | 2.0 | ug/L | 150 | | 97.0 | 74-127 | 3.12 | 25 | |
| Styrene | 49.77 | 1.0 | ug/L | 50.0 | | 99.5 | 66-126 | 3.18 | 23 | |
| Bromoform | 46.69 | 1.0 | ug/L | 50.0 | | 93.4 | 68-130 | 0.513 | 23 | |
| 1,2,3-Trichloropropane | 47.89 | 1.0 | ug/L | 50.0 | | 95.8 | 63-136 | 0.687 | 24 | |
| trans-1,4-Dichloro-2-butene | 88.16 | 5.0 | ug/L | 103 | | 85.8 | 54-134 | 0.340 | 27 | |
| 1,1,2,2-Tetrachloroethane | 48.31 | 1.0 | ug/L | 50.0 | | 96.6 | 61-131 | 1.70 | 29 | |
| 1,4-Dichlorobenzene | 46.06 | 1.0 | ug/L | 50.0 | | 92.1 | 70-129 | 3.52 | 24 | |
| 1,2-Dichlorobenzene | 47.96 | 1.0 | ug/L | 50.0 | | 95.9 | 69-126 | 3.32 | 26 | |
| 1,2-Dibromo-3-chloropropane | 48.25 | 5.0 | ug/L | 50.0 | | 96.5 | 50-143 | 1.23 | 30 | |
| Surrogate: Dibromofluoromethane | 46.2 | | ug/l | 50.2 | | 92.2 | 80-126 | | | |
| _ | | | ug/L ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 46.2 | | ug/L | 50.2 | | 92.2 | 75-136 | | | |



1HD1532

| Determination of Volatile | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|----------------|------------|--------------|----------------|------------------|--------------|----------------|-----|--------------|---------|
| Organic Compounds | Rosuit | IVE. | Jillo | E0461 | Nosun | /UINEO | Lillito | I D | | |
| Batch 1HD1572 - EPA 5030B | - EPA 8260B | | | | | | | | | |
| _CS Dup (1HD1572-BSD1) | | | Prepared: 04 | 4/25/24 00:0 | 00 Analyzed: | 04/25/24 1 | 0:07 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 46.2 | | ug/L | 50.1 | | 92.2 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 46.2 | | ug/L | 50.1 | | 92.2 | 61-142 | | | |
| Surrogate: Toluene-d8 | 49.4 | | ug/L | 50.4 | | 98.0 | 87-116 | | | |
| Surrogate: Toluene-d8 | 49.4 | | ug/L | 50.4 | | 98.0 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.3 | | ug/L | 50.1 | | 100 | 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.3 | | ug/L | 50.1 | | 100 | 80-116 | | | |
| Matrix Spike (1HD1572-MS1) | | 1HD1698-01 | Prepared: 04 | 1/25/24 00:0 | 00 Analyzed: | 04/25/24 1 | 9:02 | | | |
| Chloromethane | 276.8 | 10.0 | ug/L | 300 | ND | 92.2 | 61-152 | | | |
| Vinyl Chloride | 304.3 | 10.0 | ug/L | 300 | ND | 101 | 66-149 | | | |
| Bromomethane | 210.2 | 10.0 | ug/L | 301 | ND | 69.8 | 43-171 | | | |
| Chloroethane | 308.6 | 10.0 | ug/L | 300 | ND | 103 | 69-148 | | | |
| Trichlorofluoromethane | 291.8 | 10.0 | ug/L | 300 | ND | 97.3 | 62-163 | | | |
| 1,1-Dichloroethylene | 472.9 | 10.0 | ug/L | 501 | ND | 94.3 | 70-148 | | | |
| Acetone | 813.9 | 100 | ug/L | 1000 | ND | 81.3 | 45-173 | | | |
| Methyl lodide | 737.0 | 10.0 | ug/L | 1000 | ND | 73.6 | 62-167 | | | |
| Carbon Disulfide | 937.9 | 10.0 | ug/L | 1000 | ND | 93.7 | 71-163 | | | |
| Methylene Chloride | 465.7 | 50.0 | ug/L | 502 | ND | 92.8 | 69-140 | | | |
| Acrylonitrile | 477.0 | 50.0 | ug/L | 500 | ND | 95.4 | 58-151 | | | |
| trans-1,2-Dichloroethylene | 476.3 | 10.0 | ug/L | 503 | ND | 94.7 | 69-144 | | | |
| 1.1-Dichloroethane | 469.8 | 10.0 | ug/L | 503 | ND | 93.5 | 70-138 | | | |
| Vinyl Acetate | 846.4 | 50.0 | ug/L | 1620 | ND | 52.4 | 58-142 | | | QM-0 |
| cis-1,2-Dichloroethylene | 546.4 | 10.0 | ug/L | 505 | ND | 108 | 68-151 | | | Q.V. O. |
| 2-Butanone (MEK) | 943.1 | 100 | ug/L | 1000 | ND | 94.2 | 50-160 | | | |
| Bromochloromethane | 469.3 | 10.0 | ug/L | 504 | ND | 93.0 | 65-143 | | | |
| Chloroform | 455.5 | 10.0 | ug/L | 502 | ND | 90.8 | 71-143 | | | |
| 1,1,1-Trichloroethane | 460.7 | 10.0 | ug/L | 503 | | | 63-133 | | | |
| Carbon Tetrachloride | 470.6 | 10.0 | ug/L | 502 | ND ND | 91.6 93.7 | | | | |
| Benzene | 487.8 | 10.0 | • | | | | 63-142 | | | |
| | 462.2 | | ug/L | 504 | ND | 96.7 | 69-133 | | | |
| 1,2-Dichloroethane | 462.2 486.2 | 10.0 | ug/L | 502 | ND | 92.1 | 63-138 | | | |
| Trichloroethylene | 486.5 | 10.0 | ug/L | 503 | ND | 96.6 | 71-133 | | | |
| 1,2-Dichloropropane | | 10.0 | ug/L | 502 | ND | 96.9 | 69-132 | | | |
| Dibromomethane | 484.7 | 10.0 | ug/L | 505 | ND | 96.0 | 70-147 | | | |
| Bromodichloromethane | 477.9 | 10.0 | ug/L | 503 | ND | 95.1 | 67-130 | | | |
| cis-1,3-Dichloropropene | 476.4 | 10.0 | ug/L | 502 | ND | 94.9 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1057 | 50.0 | ug/L | 1000 | ND | 105 | 55-147 | | | |
| Toluene | 479.4 | 10.0 | ug/L | 505 | ND | 95.0 | 71-133 | | | |
| trans-1,3-Dichloropropene | 477.7 | 10.0 | ug/L | 503 | ND | 95.0 | 63-124 | | | |
| 1,1,2-Trichloroethane | 489.0 | 10.0 | ug/L | 502 | ND | 97.4 | 69-133 | | | |
| Tetrachloroethylene | 485.1 | 10.0 | ug/L | 502 | ND | 96.6 | 70-124 | | | |
| 2-Hexanone (MBK) | 1090 | 50.0 | ug/L | 1000 | ND | 109 | 53-141 | | | |
| Dibromochloromethane | 486.1 | 10.0 | ug/L | 503 | ND | 96.6 | 74-122 | | | |
| 1,2-Dibromoethane | 495.9 | 10.0 | ug/L | 504 | ND | 98.3 | 66-127 | | | |
| Chlorobenzene | 491.8 | 10.0 | ug/L | 502 | ND | 97.9 | 76-116 | | | |



1HD1532

Spike Source

| | | | | Бріке | Source | | %REC | | RPD | |
|---|----------------|------------|--------------|--------------|--------------|--------------|------------------|------|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1572 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike (1HD1572-MS1) | Source: | 1HD1698-01 | Prepared: 04 | 4/25/24 00:0 | 00 Analyzed: | 04/25/24 1 | 9:02 | | | |
| 1,1,1,2-Tetrachloroethane | 485.6 | 10.0 | ug/L | 504 | ND | 96.3 | 77-121 | | | |
| Ethylbenzene | 507.9 | 10.0 | ug/L | 505 | ND | 101 | 73-124 | | | |
| Xylenes, total | 1537 | 20.0 | ug/L | 1510 | ND | 102 | 75-123 | | | |
| Styrene | 517.3 | 10.0 | ug/L | 504 | ND | 103 | 70-120 | | | |
| Bromoform | 470.4 | 10.0 | ug/L | 502 | ND | 93.7 | 70-124 | | | |
| 1,2,3-Trichloropropane | 496.6 | 10.0 | ug/L | 504 | ND | 98.5 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 1006 | 50.0 | ug/L | 1000 | ND | 100 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 498.5 | 10.0 | ug/L | 502 | ND | 99.3 | 63-126 | | | |
| 1,4-Dichlorobenzene | 483.9 | 10.0 | ug/L | 502 | ND | 96.4 | 72-119 | | | |
| 1,2-Dichlorobenzene | 481.6 | 10.0 | ug/L | 502 | ND | 96.0 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 485.6 | 50.0 | ug/L | 505 | ND | 96.2 | 49-134 | | | |
| ,, | | | | | 110 | 00.2 | 70-104 | | | |
| Surrogate: Dibromofluoromethane | 467 | | ug/L | 502 | | 93.2 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 467 | | ug/L | 502 | | 93.2 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 474 | | ug/L | 501 | | 94.7 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 474 | | ug/L | 501 | | 94.7 | 61-142 | | | |
| Surrogate: Toluene-d8 Surrogate: Toluene-d8 | 499 499 | | ug/L | 504 504 | | 99.0 99.0 | 87-116 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 500 | | ug/L ug/L | 504 501 | | 99.0 99.6 | 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 500 | | ug/L | 501 | | 99.6 | 80-116 | | | |
| Matrix Spike Dup (1HD1572-MSD1) | | 1HD1698-01 | Prepared: 04 | | 00 Analyzed: | | | | | |
| Chloromethane | 264.9 | 10.0 | ug/L | 300 | ND | 88.2 | 61-152 | 4.39 | 26 | |
| Vinyl Chloride | 291.2 | 10.0 | ug/L | 300 | ND | 97.0 | 66-149 | 4.40 | 23 | |
| Bromomethane | 227.3 | 10.0 | ug/L | 301 | ND | 75.5 | 43-171 | 7.82 | 29 | |
| Chloroethane | 296.6 | 10.0 | ug/L | 300 | ND | 98.8 | 69-148 | 3.97 | 25 | |
| Trichlorofluoromethane | 287.3 | 10.0 | ug/L | 300 | ND | 95.8 | 62-163 | 1.55 | 25 | |
| 1,1-Dichloroethylene | 456.6 | 10.0 | ug/L | 501 | ND | 91.1 | 70-148 | 3.51 | 22 | |
| Acetone | 783.7 | 100 | ug/L | 1000 | ND | 78.3 | 45-173 | 3.78 | 30 | |
| Methyl lodide | 801.1 | 10.0 | ug/L | 1000 | ND | 80.0 | 62-167 | 8.33 | 24 | |
| Carbon Disulfide | 902.2 | 10.0 | ug/L | 1000 | ND | 90.1 | 71-163 | 3.88 | 22 | |
| Methylene Chloride | 450.2 | 50.0 | ug/L | 502 | ND | 89.7 | 69-140 | 3.38 | 19 | |
| Acrylonitrile | 464.6 | 50.0 | ug/L | 500 | | 92.9 | 58-151 | | 15 | |
| trans-1,2-Dichloroethylene | 454.5 | 10.0 | | | ND | | | 2.63 | | |
| 1,1-Dichloroethane | 450.4 | 10.0 | ug/L | 503 | ND | 90.4 | 69-144 | 4.68 | 22 | |
| Vinyl Acetate | 899.2 | 50.0 | ug/L | 503 | ND | 89.6 | 70-138 | 4.22 | 20 | OMAG |
| · | 527.8 | | ug/L | 1620 | ND | 55.7 | 58-142 | 6.05 | 24 | QM-05 |
| cis-1,2-Dichloroethylene | 969.7 | 10.0 | ug/L | 505 | ND | 105 | 68-151 | 3.46 | 22 | |
| 2-Butanone (MEK) | | 100 | ug/L | 1000 | ND | 96.8 | 50-160 | 2.78 | 23 | |
| Bromochloromethane | 457.9 436.1 | 10.0 | ug/L | 504 | ND | 90.8 | 65-143 | 2.46 | 22 | |
| Chloroform | 436.1 | 10.0 | ug/L | 502 | ND | 86.9 | 71-143 | 4.35 | 21 | |
| 1,1,1-Trichloroethane | 444.5 | 10.0 | ug/L | 503 | ND | 88.3 | 63-133 | 3.58 | 23 | |
| Carbon Tetrachloride | 452.8 | 10.0 | ug/L | 502 | ND | 90.2 | 63-142 | 3.86 | 22 | |
| Benzene | 466.8 | 10.0 | ug/L | 504 | ND | 92.5 | 69-133 | 4.40 | 18 | |
| 1,2-Dichloroethane | 450.5 464.9 | 10.0 | ug/L | 502 | ND | 89.8 | 63-138 | 2.56 | 20 | |
| Trichloroethylene | 4040 | 10.0 | ug/L | 503 | ND | 92.3 | 71-133 | 4.48 | 23 | |

Microbac Laboratories, Inc., Newton

RPD

%REC



| Determination of Volatile | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Note |
|---|------------------|------------|--------------|----------------|------------------|--------------|------------------|--------------|--------------|------|
| Organic Compounds | | | | | | | | | | |
| Batch 1HD1572 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike Dup (1HD1572-MSD1) | Source: | 1HD1698-01 | Prepared: 04 | 4/25/24 00:0 | 0 Analyzed: | 04/25/24 1 | 9:25 | | | |
| 1,2-Dichloropropane | 471.3 | 10.0 | ug/L | 502 | ND | 93.8 | 69-132 | 3.17 | 20 | |
| Dibromomethane | 472.6 | 10.0 | ug/L | 505 | ND | 93.6 | 70-147 | 2.53 | 22 | |
| Bromodichloromethane | 464.0 | 10.0 | ug/L | 503 | ND | 92.3 | 67-130 | 2.95 | 21 | |
| cis-1,3-Dichloropropene | 463.0 | 10.0 | ug/L | 502 | ND | 92.2 | 61-126 | 2.85 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 1024 | 50.0 | ug/L | 1000 | ND | 102 | 55-147 | 3.14 | 23 | |
| Toluene | 456.5 | 10.0 | ug/L | 505 | ND | 90.4 | 71-133 | 4.89 | 19 | |
| trans-1,3-Dichloropropene | 470.2 | 10.0 | ug/L | 503 | ND | 93.5 | 63-124 | 1.58 | 21 | |
| 1,1,2-Trichloroethane | 474.2 | 10.0 | ug/L | 502 | ND | 94.4 | 69-133 | 3.07 | 19 | |
| Tetrachloroethylene | 463.0 | 10.0 | ug/L | 502 | ND | 92.2 | 70-124 | 4.66 | 24 | |
| 2-Hexanone (MBK) | 1065 | 50.0 | ug/L | 1000 | ND | 106 | 53-141 | 2.32 | 24 | |
| Dibromochloromethane | 477.4 | 10.0 | ug/L | 503 | ND | 94.8 | 74-122 | 1.81 | 21 | |
| 1.2-Dibromoethane | 484.9 | 10.0 | ug/L | 504 | ND | 96.1 | 66-127 | 2.24 | 23 | |
| Chlorobenzene | 469.2 | 10.0 | ug/L | 502 | ND | 93.4 | 76-116 | 4.70 | 21 | |
| 1,1,1,2-Tetrachloroethane | 469.9 | 10.0 | ug/L | 504 | ND | 93.2 | 77-121 | 3.29 | 25 | |
| Ethylbenzene | 484.5 | 10.0 | ug/L | 505 | ND | 96.0 | 73-124 | 4.72 | 20 | |
| Xylenes, total | 1462 | 20.0 | ug/L | 1510 | ND | 96.6 | 75-124 | 4.72 | 20 | |
| Styrene | 496.6 | 10.0 | ug/L | 504 | ND | 98.5 | 70-120 | 4.08 | 23 | |
| Bromoform | 466.8 | 10.0 | ug/L | 502 | ND | 92.9 | 70-120 | 0.768 | 23 22 | |
| 1,2,3-Trichloropropane | 479.7 | 10.0 | ug/L | 502 | ND | 95.1 | 62-135 | 3.46 | | |
| trans-1,4-Dichloro-2-butene | 990.8 | 50.0 | ug/L | 1000 | ND | | | 3.46 1.48 | 28 | |
| 1,1,2,2-Tetrachloroethane | 484.6 | 10.0 | _ | 502 | | 98.8 | 50-120 | | 26 | |
| | 463.5 | | ug/L | | ND | 96.5 | 63-126 | 2.83 | 24 | |
| 1,4-Dichlorobenzene | 466.7 | 10.0 | ug/L | 502 | ND | 92.4 | 72-119 | 4.31 | 24 | |
| 1,2-Dichlorobenzene | 484.3 | 10.0 | ug/L | 502 | ND | 93.0 | 71-117 | 3.14 | 24 | |
| 1,2-Dibromo-3-chloropropane | 404.3 | 50.0 | ug/L | 505 | ND | 95.9 | 49-134 | 0.268 | 28 | |
| Surrogate: Dibromofluoromethane | 471 | | ug/L | 502 | | 93.8 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 471 | | ug/L | 502 | | 93.8 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 473 | | ug/L | 501 | | 94.4 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 473 | | ug/L | 501 | | 94.4 | 61-142 | | | |
| Surrogate: Toluene-d8 | 498 | | ug/L | 504 | | 98.8 | 87-116 | | | |
| Surrogate: Toluene-d8 | 498 | | ug/L | 504 | | 98.8 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene Surrogate: 4-Bromofluorobenzene | 500 500 | | ug/L | 501 501 | | 99.8 99.8 | 85-111 80-116 | | | |
| Surrogate: 4-Dromondorobenzene | 300 | | ug/L | 301 | | 99.0 | 00-110 | | | |
| | | | | Spike | Source | | %REC | | RPD | |
| Determination of | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Note |
| Conventional Chemistry | | | | | | | | | | |
| Parameters | | | | | | | | | | |
| Batch 1HD1357 - Wet Chem Prepar | ation - EPA 9040 | | | | | | | | | |
| Ouplicate (1HD1357-DUP1) | Source: | 1HD1532-05 | Prepared: 04 | 4/23/24 09:1 | 6 Analyzed: | 04/23/24 1 | 3:47 | | | |
| pH | 6.52 | 0.5 | рН | | 6.51 | | | 0.123 | 10 | |
| Reference (1HD1357-SRM1) | | | Prepared: 04 | 4/23/24 09:1 | 6 Analyzed: | 04/23/24 1 | 3:47 | | | |
| pH | 7.02 | 0.5 | рН | 7.00 | | 100 | 90-110 | | | |



CERTIFICATE OF ANALYSIS

1HD1532

| | | | | Spike | Source | | %REC | | RPD | |
|--|--------------------|------------------|--------------|----------------|-------------|-------------|------------------|------|-------|-------|
| Determination of Conventional Chemistry | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Parameters | | | | | | | | | | |
| Batch 1HD1357 - Wet Chem Prepara | ation - EPA 9040 | | | | | | | | | |
| Reference (1HD1357-SRM2) | | | Prepared: 04 | 1/23/24 09:1 | 6 Analyzed: | 04/23/24 1 | 3:47 | | | |
| pH | 6.99 | 0.5 | рН | 7.00 | | 99.9 | 90-110 | | | |
| F | | 0.0 | μ | 7.00 | | 00.0 | 00 110 | | | |
| Batch 1HD1358 - Wet Chem Prepara | ation - 2320B | | | | | | | | | |
| Blank (1HD1358-BLK1) | | | Prepared: 04 | 1/23/24 09:1 | 8 Analyzed: | 04/23/24 1 | 3:00 | | | |
| Alkalinity, as CaCO3 | <10 | 10 | mg/L | | | | | | | |
| LCS (1HD1358-BS1) | | | Prepared: 04 | 1/23/24 09:1 | 8 Analyzed: | 04/23/24 1 | 3:00 | | | |
| Alkalinity, as CaCO3 | 224 | 10 | mg/L | 235 | | 95.2 | 88-114 | | | |
| Matrix Spike (1HD1358-MS1) | Source: | 1HD1532-05 | Prepared: 04 | 1/23/24 09:1 | 8 Analyzed: | 04/23/24 1 | 3:00 | | | |
| Alkalinity, as CaCO3 | 1760 | 50 | mg/L | 1180 | 652 | 94.7 | 74-122 | | | |
| Matrix Spike Dup (1HD1358-MSD1) | Source: | 1HD1532-05 | Prepared: 04 | 1/23/24 09:1 | 8 Analyzed: | 04/23/24 1 | 3:00 | | | |
| Alkalinity, as CaCO3 | 1740 | 50 | mg/L | 1180 | 652 | 92.2 | 74-122 | 1.66 | 10 | |
| | | | | Spike | Source | | %REC | | RPD | |
| Determination of Total Metals | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1412 - EPA 3005A Total R | Recoverable Metals | - EPA 6020A | | | | | | | | |
| Blank (1HD1412-BLK1) | | | Prepared: 04 | 1/24/24 07:1 | 6 Analyzed: | 04/25/24 2 | 2:31 | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Barium, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | | | | | | | |
| Chromium, total | <0.0080 | 0.0080 | mg/L | | | | | | | |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | | | | | | | |
| Copper, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Lead, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Nickel, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Selenium, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Silver, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Thallium, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | | | | | | | |
| Zinc, total | <0.0200 | 0.0200 | mg/L | | | | | | | QB-12 |
| LCS (1HD1412-BS1) | | | Prepared: 04 | 1/24/24 07:1 | 6 Analyzed: | 04/25/24 2 | 2:37 | | | |
| Antimony, total | 0.0958 | 0.0020 | mg/L | 0.100 | | 95.8 | 80-120 | | | |
| Arsenic, total | 0.100 | 0.0040 | mg/L | 0.100 | | 100 | 80-120 | | | |
| Barium, total | 0.108 | 0.0040 | mg/L | 0.100 | | 108 | 80-120 | | | |
| Beryllium, total | 0.0989 | 0.0040 | mg/L | 0.100 | | 98.9 | 80-120 | | | |
| Cadmium, total | 0.101 | 0.0008 | mg/L | 0.100 | | 101 | 80-120 | | | |
| Characteristic total | | | | | | 07.4 | | | | |
| Chromium, total | 0.0974 | 0.0080 | mg/L | 0.100 | | 97.4 | 80-120 | | | |
| Cobalt, total | 0.0974 0.104 | 0.0080 0.0004 | mg/L mg/L | 0.100 0.100 | | 97.4 104 | 80-120 80-120 | | | |



1HD1532

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|-------------------|---------------|-------------|----------------|------------------|------------|----------------|--------|--------------|-------|
| Batch 1HD1412 - EPA 3005A Total R | ecoverable Metals | s - EPA 6020A | | | | | | | | |
| LCS (1HD1412-BS1) | | | Prepared: (| 04/24/24 07:1 | 6 Analyzed: | 04/25/24 2 | 2:37 | | | |
| Lead, total | 0.104 | 0.0040 | mg/L | 0.100 | | 104 | 80-120 | | | |
| Nickel, total | 0.105 | 0.0040 | mg/L | 0.100 | | 105 | 80-120 | | | |
| Selenium, total | 0.1028 | 0.0040 | mg/L | 0.100 | | 103 | 80-120 | | | |
| Silver, total | 0.103 | 0.0040 | mg/L | 0.100 | | 103 | 80-120 | | | |
| Thallium, total | 0.105 | 0.0020 | mg/L | 0.100 | | 105 | 80-120 | | | |
| Vanadium, total | 0.103 | 0.0200 | mg/L | 0.100 | | 103 | 80-120 | | | |
| Zinc, total | 0.108 | 0.0200 | mg/L | 0.100 | | 108 | 80-120 | | | |
| Matrix Spike (1HD1412-MS1) | Source | e: 1HD1511-01 | Prepared: (| 04/24/24 07:1 | 6 Analyzed: | 04/25/24 2 | 2:49 | | | |
| Antimony, total | 0.0951 | 0.0020 | mg/L | 0.100 | 0.0020 | 93.2 | 75-125 | | | |
| Arsenic, total | 0.121 | 0.0040 | mg/L | 0.100 | 0.0214 | 99.7 | 75-125 | | | |
| Barium, total | 1.50 | 0.0040 | mg/L | 0.100 | 1.36 | 141 | 75-125 | | | QM-4X |
| Beryllium, total | 0.0879 | 0.0040 | mg/L | 0.100 | ND | 87.9 | 75-125 | | | |
| Cadmium, total | 0.0872 | 0.0008 | mg/L | 0.100 | ND | 87.2 | 75-125 | | | |
| Chromium, total | 0.0976 | 0.0080 | mg/L | 0.100 | 0.0080 | 89.7 | 75-125 | | | |
| Cobalt, total | 0.130 | 0.0004 | mg/L | 0.100 | 0.0221 | 108 | 75-125 | | | |
| Copper, total | 0.0970 | 0.0040 | mg/L | 0.100 | 0.0074 | 89.6 | 75-125 | | | |
| Lead, total | 0.0963 | 0.0040 | mg/L | 0.100 | 0.0061 | 90.2 | 75-125 | | | |
| Nickel, total | 0.208 | 0.0040 | mg/L | 0.100 | 0.103 | 105 | 75-125 | | | |
| Selenium, total | 0.0361 | 0.0040 | mg/L | 0.100 | ND | 36.1 | 75-125 | | | QM-07 |
| Silver, total | 0.0921 | 0.0040 | mg/L | 0.100 | ND | 92.1 | 75-125 | | | |
| Thallium, total | 0.0936 | 0.0020 | mg/L | 0.100 | 0.0002 | 93.4 | 75-125 | | | |
| Vanadium, total | 0.123 | 0.0200 | mg/L | 0.100 | 0.0296 | 93.7 | 75-125 | | | |
| Zinc, total | 0.0983 | 0.0200 | mg/L | 0.100 | ND | 98.3 | 75-125 | | | |
| Matrix Spike Dup (1HD1412-MSD1) | Source | : 1HD1511-01 | Prepared: (| 04/24/24 07:1 | 6 Analyzed: | 04/25/24 2 | 2:56 | | | |
| Antimony, total | 0.0956 | 0.0020 | mg/L | 0.100 | 0.0020 | 93.6 | 75-125 | 0.452 | 20 | |
| Arsenic, total | 0.120 | 0.0040 | mg/L | 0.100 | 0.0214 | 98.3 | 75-125 | 1.16 | 20 | |
| Barium, total | 1.51 | 0.0040 | mg/L | 0.100 | 1.36 | 159 | 75-125 | 1.23 | 20 | QM-4X |
| Beryllium, total | 0.0881 | 0.0040 | mg/L | 0.100 | ND | 88.1 | 75-125 | 0.220 | 20 | |
| Cadmium, total | 0.0872 | 0.0008 | mg/L | 0.100 | ND | 87.2 | 75-125 | 0.0138 | 20 | |
| Chromium, total | 0.0973 | 0.0080 | mg/L | 0.100 | 0.0080 | 89.3 | 75-125 | 0.376 | 20 | |
| Cobalt, total | 0.129 | 0.0004 | mg/L | 0.100 | 0.0221 | 107 | 75-125 | 0.903 | 20 | |
| Copper, total | 0.0962 | 0.0040 | mg/L | 0.100 | 0.0074 | 88.7 | 75-125 | 0.890 | 20 | |
| Lead, total | 0.0959 | 0.0040 | mg/L | 0.100 | 0.0061 | 89.8 | 75-125 | 0.431 | 20 | |
| Nickel, total | 0.204 | 0.0040 | mg/L | 0.100 | 0.103 | 101 | 75-125 | 1.87 | 20 | |
| Selenium, total | 0.0359 | 0.0040 | mg/L | 0.100 | ND | 35.9 | 75-125 | 0.348 | 20 | QM-07 |
| Silver, total | 0.0927 | 0.0040 | mg/L | 0.100 | ND | 92.7 | 75-125 | 0.668 | 20 | |
| Thallium, total | 0.0932 | 0.0020 | mg/L | 0.100 | 0.0002 | 93.0 | 75-125 | 0.413 | 20 | |
| Vanadium, total | 0.123 | 0.0200 | mg/L | 0.100 | 0.0296 | 93.3 | 75-125 | 0.346 | 20 | |
| Zinc, total | 0.0995 | 0.0200 | mg/L | 0.100 | ND | 99.5 | 75-125 | 1.19 | 20 | |
| Post Spike (1HD1412-PS1) | Source | : 1HD1511-01 | Prepared: (| 04/24/24 07:1 | 6 Analyzed: | 04/25/24 2 | 3:02 | | | |
| Antimony, total | 0.0782 | | mg/L | 0.0800 | 0.0020 | 95.3 | 80-120 | | | |
| Arsenic, total | 0.101 | | mg/L | 0.0800 | 0.0214 | 99.7 | 80-120 | | | |
| Barium, total | 1.47 | | mg/L | 0.0800 | 1.36 | 140 | 80-120 | | | PS-4X |



CERTIFICATE OF ANALYSIS

1HD1532

Units

RL

Source: 1HD1511-01

Determination of Total Metals

Post Spike (1HD1412-PS1)

Result

Batch 1HD1412 - EPA 3005A Total Recoverable Metals - EPA 6020A

Spike Source

Prepared: 04/24/24 07:16 Analyzed: 04/25/24 23:02

Result

%REC

Level

| Beryllium, total | 0.0720 | | mg/L | 0.0800 | 0.00007 | 89.9 | 80-120 |
|-----------------------------|-------------------------|-------------|-------------|---------------|----------------|------------|--------|
| Cadmium, total | 0.0707 | | mg/L | 0.0800 | 0.00003 | 88.3 | 80-120 |
| Chromium, total | 0.0813 | | mg/L | 0.0800 | 0.0080 | 91.7 | 80-120 |
| Cobalt, total | 0.109 | | mg/L | 0.0800 | 0.0221 | 108 | 80-120 |
| Copper, total | 0.0802 | | mg/L | 0.0800 | 0.0074 | 91.0 | 80-120 |
| Lead, total | 0.0791 | | mg/L | 0.0800 | 0.0061 | 91.3 | 80-120 |
| Nickel, total | 0.186 | | mg/L | 0.0800 | 0.103 | 104 | 80-120 |
| Selenium, total | 0.0781 | | mg/L | 0.0800 | 0.0012 | 96.2 | 80-120 |
| Silver, total | 0.0755 | | mg/L | 0.0800 | 0.0001 | 94.2 | 80-120 |
| Thallium, total | 0.0763 | | mg/L | 0.0800 | 0.0002 | 95.1 | 80-120 |
| Vanadium, total | 0.106 | | mg/L | 0.0800 | 0.0296 | 94.9 | 80-120 |
| Zinc, total | 0.0796 | | mg/L | 0.0800 | 0.0121 | 84.5 | 80-120 |
| Batch 1HD1478 - EPA 3005A T | otal Recoverable Metals | - EPA 6020A | | | | | |
| Blank (1HD1478-BLK1) | | | Prepared: (| 04/24/24 16:1 | 10 Analyzed: (| 04/26/24 0 | 01:29 |
| Antimony, total | <0.0020 | 0.0020 | mg/L | | | | |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | | | | |
| Barium, total | <0.0040 | 0.0040 | mg/L | | | | |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | | | | |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | | | | |
| Chromium, total | <0.0080 | 0.0080 | mg/L | | | | |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | | | | |
| Copper, total | <0.0040 | 0.0040 | mg/L | | | | |
| Lead, total | <0.0040 | 0.0040 | mg/L | | | | |
| Nickel, total | <0.0040 | 0.0040 | mg/L | | | | |
| Selenium, total | <0.0040 | 0.0040 | mg/L | | | | |
| Silver, total | <0.0040 | 0.0040 | mg/L | | | | |
| Thallium, total | <0.0020 | 0.0020 | mg/L | | | | |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | | | | |
| Zinc, total | <0.0200 | 0.0200 | mg/L | | | | |
| LCS (1HD1478-BS1) | | | Prepared: (| 04/24/24 16:1 | 10 Analyzed: (| 04/26/24 0 | 01:47 |
| Antimony, total | 0.0956 | 0.0020 | mg/L | 0.100 | | 95.6 | 80-120 |
| Arsenic, total | 0.100 | 0.0040 | mg/L | 0.100 | | 100 | 80-120 |
| Barium, total | 0.110 | 0.0040 | mg/L | 0.100 | | 110 | 80-120 |
| Beryllium, total | 0.0957 | 0.0040 | mg/L | 0.100 | | 95.7 | 80-120 |
| Cadmium, total | 0.0986 | 0.0008 | mg/L | 0.100 | | 98.6 | 80-120 |
| Chromium, total | 0.0969 | 0.0080 | mg/L | 0.100 | | 96.9 | 80-120 |
| Cobalt, total | 0.103 | 0.0004 | mg/L | 0.100 | | 103 | 80-120 |
| Copper, total | 0.105 | 0.0040 | mg/L | 0.100 | | 105 | 80-120 |
| Lead, total | 0.102 | 0.0040 | mg/L | 0.100 | | 102 | 80-120 |
| Nickel, total | 0.102 | 0.0040 | mg/L | 0.100 | | 102 | 80-120 |
| Selenium, total | 0.1045 | 0.0040 | mg/L | 0.100 | | 104 | 80-120 |
| Silver, total | 0.104 | 0.0040 | mg/L | 0.100 | | 104 | 80-120 |
| | | | | | | | |

Microbac Laboratories, Inc., Newton

RPD

Limit

RPD

Notes

%REC

Limits



1HD1532

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------------------|-----------------|-------------|----------------|------------------|------------|----------------|-------|--------------|-------|
| Batch 1HD1478 - EPA 3005A Total F | Recoverable Metals | s - EPA 6020A | | | | | | | | |
| LCS (1HD1478-BS1) | | | Prepared: 0 | 4/24/24 16:1 | I 0 Analyzed: | 04/26/24 0 | 1:47 | | | |
| Thallium, total | 0.103 | 0.0020 | mg/L | 0.100 | | 103 | 80-120 | | | |
| Vanadium, total | 0.0974 | 0.0200 | mg/L | 0.100 | | 97.4 | 80-120 | | | |
| Zinc, total | 0.105 | 0.0200 | mg/L | 0.100 | | 105 | 80-120 | | | |
| Matrix Spike (1HD1478-MS1) | Source | : 1HD0315-03RE3 | Prepared: 0 | 4/24/24 16:1 | I 0 Analyzed: | 04/26/24 0 | 2:00 | | | |
| Antimony, total | 0.0956 | 0.0020 | mg/L | 0.100 | ND | 95.6 | 75-125 | | | |
| Arsenic, total | 0.101 | 0.0040 | mg/L | 0.100 | 0.0015 | 99.6 | 75-125 | | | |
| Barium, total | 0.356 | 0.0040 | mg/L | 0.100 | 0.262 | 94.0 | 75-125 | | | |
| Beryllium, total | 0.0934 | 0.0040 | mg/L | 0.100 | ND | 93.4 | 75-125 | | | |
| Cadmium, total | 0.0955 | 0.0008 | mg/L | 0.100 | ND | 95.5 | 75-125 | | | |
| Chromium, total | 0.0944 | 0.0080 | mg/L | 0.100 | 0.0007 | 93.6 | 75-125 | | | |
| Cobalt, total | 0.101 | 0.0004 | mg/L | 0.100 | ND | 101 | 75-125 | | | |
| Copper, total | 0.251 | 0.0040 | mg/L | 0.100 | 0.135 | 116 | 75-125 | | | |
| Lead, total | 0.0986 | 0.0040 | mg/L | 0.100 | ND | 98.6 | 75-125 | | | |
| Nickel, total | 0.0998 | 0.0040 | mg/L | 0.100 | ND | 99.8 | 75-125 | | | |
| Selenium, total | 0.1018 | 0.0040 | mg/L | 0.100 | ND | 102 | 75-125 | | | |
| Silver, total | 0.101 | 0.0040 | mg/L | 0.100 | ND | 101 | 75-125 | | | |
| Thallium, total | 0.101 | 0.0020 | mg/L | 0.100 | 0.0003 | 101 | 75-125 | | | |
| Vanadium, total | 0.102 | 0.0200 | mg/L | 0.100 | ND | 102 | 75-125 | | | |
| Zinc, total | 0.103 | 0.0200 | mg/L | 0.100 | ND | 103 | 75-125 | | | |
| Matrix Spike Dup (1HD1478-MSD1) | Source | : 1HD0315-03RE3 | Prepared: 0 | 4/24/24 16:1 | I 0 Analyzed: | 04/26/24 0 | 2:06 | | | |
| Antimony, total | 0.0972 | 0.0020 | mg/L | 0.100 | ND | 97.2 | 75-125 | 1.65 | 20 | |
| Arsenic, total | 0.103 | 0.0040 | mg/L | 0.100 | 0.0015 | 101 | 75-125 | 1.43 | 20 | |
| Barium, total | 0.366 | 0.0040 | mg/L | 0.100 | 0.262 | 104 | 75-125 | 2.91 | 20 | |
| Beryllium, total | 0.0944 | 0.0040 | mg/L | 0.100 | ND | 94.4 | 75-125 | 1.02 | 20 | |
| Cadmium, total | 0.0963 | 0.0008 | mg/L | 0.100 | ND | 96.3 | 75-125 | 0.835 | 20 | |
| Chromium, total | 0.0954 | 0.0080 | mg/L | 0.100 | 0.0007 | 94.6 | 75-125 | 1.07 | 20 | |
| Cobalt, total | 0.104 | 0.0004 | mg/L | 0.100 | ND | 104 | 75-125 | 2.44 | 20 | |
| Copper, total | 0.339 | 0.0040 | mg/L | 0.100 | 0.135 | 204 | 75-125 | 29.8 | 20 | QM-07 |
| Lead, total | 0.0999 | 0.0040 | mg/L | 0.100 | ND | 99.9 | 75-125 | 1.22 | 20 | |
| Nickel, total | 0.102 | 0.0040 | mg/L | 0.100 | ND | 102 | 75-125 | 2.55 | 20 | |
| Selenium, total | 0.1011 | 0.0040 | mg/L | 0.100 | ND | 101 | 75-125 | 0.694 | 20 | |
| Silver, total | 0.100 | 0.0040 | mg/L | 0.100 | ND | 100 | 75-125 | 0.878 | 20 | |
| Thallium, total | 0.102 | 0.0020 | mg/L | 0.100 | 0.0003 | 101 | 75-125 | 0.679 | 20 | |
| Vanadium, total | 0.102 | 0.0200 | mg/L | 0.100 | ND | 102 | 75-125 | 0.427 | 20 | |
| Zinc, total | 0.104 | 0.0200 | mg/L | 0.100 | ND | 104 | 75-125 | 1.05 | 20 | |
| Post Spike (1HD1478-PS1) | Source | : 1HD0315-03RE3 | Prepared: 0 | 4/24/24 16:1 | I0 Analyzed: | 04/26/24 0 | 2:12 | | | |
| Antimony, total | 0.0750 | | mg/L | 0.0800 | 0.0002 | 93.5 | 80-120 | | | |
| Arsenic, total | 0.0818 | | mg/L | 0.0800 | 0.0015 | 100 | 80-120 | | | |
| Barium, total | 0.343 | | mg/L | 0.0800 | 0.262 | 102 | 80-120 | | | |
| Beryllium, total | 0.0735 | | mg/L | 0.0800 | 0.000002 | 91.9 | 80-120 | | | |
| Cadmium, total | 0.0747 | | mg/L | 0.0800 | 0.00004 | 93.3 | 80-120 | | | |
| Chromium, total | 0.0758 | | mg/L | 0.0800 | 0.0007 | 93.8 | 80-120 | | | |
| Cobalt, total | 0.0831 | | mg/L | 0.0800 | 0.00008 | 104 | 80-120 | | | |



CERTIFICATE OF ANALYSIS

1HD1532

Spike

Source

| | | | | | | Бріке | Source | | %REC | | RPD | |
|----------------------|------------------------------|---|--------------|-----------------------|-------------|---------------|---------------|-------------|---------------|-----------|-------|-------|
| Determination of | f Total Metals | Result | | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1478 - El | PA 3005A Total R | ecoverable Me | tals - EPA | 6020A | | | | | | | | |
| Post Spike (1HD1478- | -PS1) | Sou | rce: 1HD03 | 15-03RE3 ^P | repared: 0 | 4/24/24 16:1 | I0 Analyzed: | 04/26/24 0 | 2:12 | | | |
| Copper, total | | 0.214 | | | mg/L | 0.0800 | 0.135 | 98.3 | 80-120 | | | |
| Lead, total | | 0.0797 | | | mg/L | 0.0800 | 0.0001 | 99.4 | 80-120 | | | |
| Nickel, total | | 0.0816 | | | mg/L | 0.0800 | 0.0006 | 101 | 80-120 | | | |
| Selenium, total | | 0.0760 | | | mg/L | 0.0800 | 0.0002 | 94.8 | 80-120 | | | |
| Silver, total | | 0.0805 | | | mg/L | 0.0800 | 0.0001 | 100 | 80-120 | | | |
| Thallium, total | | 0.0819 | | | mg/L | 0.0800 | 0.0003 | 102 | 80-120 | | | |
| Vanadium, total | | 0.0836 | | | mg/L | 0.0800 | 0.0056 | 97.5 | 80-120 | | | |
| Zinc, total | | 0.0840 | | | mg/L | 0.0800 | 0.0075 | 95.6 | 80-120 | | | |
| Definitions | | | | | | | | | | | | |
| I-03: | Analyte required laboratory. | d to be analyzed v | vithin 15 mi | nutes of sa | mpling. A | nalysis pei | formed up | on receipt | of sample | at | | |
| O-07: | - | alysis of this samp naximum hold tim | • | QC recover | es outsid | e acceptar | nce criteria. | . It was re | -analyzed | after the | | |
| PS-4X: | | ery was outside on concentration. | of QC accep | tance limit | s for the F | Post Spike | due to ana | lyte conce | entration at | 4 times o | r | |
| QB-12: | | s found in the blar f the analyte in the | | | | | | | | е | | |
| QM-05: | | ery and/or RPD was LCSD were within | | | | | | | | | | |
| QM-07: | • | ery and/or RPD v table LCS recove | | acceptance | e limits fo | r the MS a | nd/or MSD | . The bate | ch was acc | epted | | |
| QM-4X: | | ery was outside of the spike concen | | tance limit | s for the I | MS and/or I | MSD due to | o analyte o | concentration | on at 4 | | |
| RL: | Reporting Limit | | | | | | | | | | | |
| RPD: | Relative Percen | t Difference | | | | | | | | | | |
| Cooler Receipt Lo | g | | | | | | | | | | | |
| Cooler ID: | Default Cooler | | Temp: | 0.8°C | | | | | | | | |
| Cooler Inspection | Checklist | | | | | | | | | | | |
| Custody Seals | | | | No | Cor | itainers Inta | act | | | | | Ye |
| COC/Labels Agr | ee | | | Yes | Pre | servation C | Confirmed | | | | | N |
| • | | | | | | | | | | | | |

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 05/20/24 11:04

RPD

%REC

Veystone LABORATORIES

SPECIAL INSTRUCTIONS

None

Turn Around Time

Standard

600 East 17th Street South Newton, IA 50208 641-702-8451



HLW Engineering PM: Heather Murphy

Page 1 of ted: 3/20/2024 8:31:53A 6

of 75

www.keystonelabs

| A Micro | bac Company | |
|----------|-------------------------------|--|
| SITE IN | FORMATION | |
| Sampler: | TODO WHIPPUL | |
| Project: | Marshall Caritony Landfill D1 | |
| | 6003 | |

| , | Story City, IA | 5024 |
|-----------------|----------------|------|
| CTIONS | LAB USE C | NLY |
| | Work Order | 1+ |
| | Temperature | 0 |
| RUSH, need by// | Turn-Cooler: | No |

Todd Whipple HIW Engineering PO Box 314 Story City, IA 50246

REPORT TO

Custody Seal Containers Intact COC/Labels Agree Preservation Confirmed Received on Ice

Marshall County Landfill

2313 Marchalltown Blid iviarsitatiitown, iA 50 156

Don Ballalatak

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|--------|-----------------------------------|--------|----------------|----------|------|-------------------------|--|----------------------|
| -001 | MW-66 (B) DRY | Water | GRAB | 4/16/29 | | 0 | Indfill-app1-voc-group Indfil-app1-metals-6020 | 01 |
| -001 | MW-85 (B) | Water | GRAB (| 4 17 124 | 7151 | 7 | Indfill-app1-voc-group Indfill-app1-metals-6020 | 02 |
| -001 | MW-98 (B) | Water | GRAB | 4/17/24 | 9:48 | 7 | lndfill-app1-voc-group lndfil-app1-metals-6020 | 03 |
| -001 | MW-99 (B) | Water | GRAB(| 4 17 124 | 9:34 | 7 | Indfill-app1-voc-group Indfil-app1-metals-6020 | 04 |
| -001 | MW-49 | Water | GRAB | 4/17/24) | 9:10 | | alk-caco3-2320 Indfill-app1-voc-group Indfil-app1-metals-6020 methane-astm-d1946 ph-9040 | 05 |
| -001 | MW-54 | Water | GRAB | 4 117/24 | 8:46 | | alk-caco3-2320 Indfill-app1-voc-group Indfil-app1-metals-6020 methane-astm-d1946 ph-9040 | 06 |
| | | | | | | 1 '1 | | |

HD1532

| Relinquished By | Lexandra Date/Time | 4/18/2 |
|-----------------|--------------------|--------|
| | | |

Date/Time

Received By

| Relinguished By | 1 | | Date/Tim | ne | |
|---------------------|--------|-------|-----------|-------|------|
| Maker 4 | 18 | 21 | f | 9: | 39 |
| Received for Lab By | | | Date/Tim | ie | , |
| Original - La | ab Cop | y Yel | low - Sai | mpler | Сору |

| Remarks: | | |
|-----------|--|--|
| ionnanno. | | |
| | | |
| | | |
| | | |

Veystone LABORATORIES A Microbac Company

600 East 17th Street So Newton, IA 50208 641-702-0451



HLW Engineering PM: Heather Murphy

of 75 Page 2 of Printed: 3/20/2024 8:31:53A 8 www.keystonelabs ซึ่วท

| SITI | E INFORMATION | | RE | PORT TO | | | / MYOICE I | 0 | |
|----------------|--|-----------------|----------------|---|-------|----------------------|--|--|----------------------|
| Proje | Sampler: Loop WHIPPLE Project: Marshall Canitary Landill-D1 6003 | | | l Whipple / Engineering lox 314 / City, IA 502 | | | Don Ballala Marshall Co 2313 March Marshalitow | unty I andfill ultown Bhd | |
| SPE | CIAL INSTRUCTIONS —————— | | LA | B USE ONLY | | | | | |
| No | ne | | Work | Order / H | D1536 | <u>/</u> | Custody | | |
| | Around Time andard RUSH, need by/ | | | erature () Cooler: No |). 8 | | COC/Lab | oels Agree tion Confirmed | |
| | | | | | | | | | |
| Number | Sample Identification / Client ID | Motrix | Sample | Data | | Number of | | | |
| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Anal | yses | Lab Sample Number |
| Number -001 | Sample Identification / Client ID | Matrix Water | • | Date 4 // 1/4 // 24 | Time | | Anal alk-caco3-2320 Indfll-app1-metals-6020 ph-9040 | yses Indfill-app1-voc-group methane-astm-d1946 | Lab Sample Number |
| | · | | Type | | | Containers | alk-caco3-2320 Indfll-app1-metals-6020 | Indfill-app1-voc-group | Number |
| -001 | MW-81 | Water | Type | 4 114 24 | 11:20 | Containers | alk-caco3-2320 Indfll-app1-metals-6020 ph-9040 | Indfill-app1-voc-group methane-astm-d1946 | Number |

| Cold U | Lizal | 4/18/24 |
|-----------------|----------|---------|
| Relinquished By | Date/Tir | ne |

Received By Date/Time

-00

-001

MW-93

MW-94

Relinquished By Received for Lab By

Water

Water

GRAB

GRAB

Date/Time Date/Time

4/17/24

Remarks:

Indfll-app1-metals-6020

Indfill-app1-voc-group

Indfill-app1-voc-group

Indfll-app1-metals-6020 methane-astm-d1946

alk-caco3-2320

ph-9040

11:43

8:29

8003

th Street Sout 0208

Temperature

Turn-Cooler:



PM: Heather Murphy

nted: 3/20/2024 8:31:53A 8

www.keystonelabs

Page 3 of

| eystone | 600 East 17th Newton, IA 50 |
|------------------------------------|--------------------------------|
| LABŌRATORIES A Microbac Company | 644.702.0464 |

| SITE IN | FORMATION | |
|----------|-------------------------------|--|
| Sampler: | "NOO WHIPPLE | |
| Project: | Marshall Conitary Landfill D4 | |

| SPECIAL INSTRUCTIONS | |
|---|---|
| None | |
| Turn Around Time Standard RUSH, need by/_ | / |
| | / |

| REPORT TO | INVOIGE TO |
|---|--|
| Todd Whipple HI W Engineering PO Box 314 Story City, IA 50246 | Don Ballalatak Marshall County Landfill 2313 Marchalltown Bird Marshalliown, IA 50156 |
| Work Order / HD/536 | Custody Seal Containers Intact |

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|--------|-----------------------------------|--------|----------------|-------------|--|-------------------------|---|----------------------|
| -001 | MW-95 | Water | GRAB | (4 117 124) | 7135 | 7 | Indfill-app1-voc-group Indfll-app1-metals-6020 | 13/2 |
| -001 | MW-96R | Water | GRAB | 4 116 124 | 7155 | 7 | Indfill-app1-voc-group Indfil-app1-metals-6020 | 413 |
| -001 | MW-97 | Water | GRAB (| 4/17/29 | 8109 | 7 | lndfill-app1-voc-group lndfill-app1-metals-6020 | 1514 |
| -001 | SRAMP B Tile | Water | GRAB | + 116/24 | 8:30 | 7 | Indfill-app1-voc-group Indfill-app1-metals-6020 | 1615 |
| -001 | PECS B DRY | Water | GRAB | 4 16 /24 | Solver Section Control of Control | 0 | lndfill-app1-voc-group | 170 |
| -001 | Duplicate | Water | GRAB | 4/16/24 | V | l | Ind fil appl - co up Indfil-app1-metals-6020 | 10 1827 |
| | | | | | | | | |
| | | | , | | | | | |
| | | | | | | | | |

No

| Relinquished By | 1/18/24 Date/Time |
|-----------------|-------------------|
| Received By | Date/Time |

| | 160 | |
|---------------------|--------|-------|
| Relinquished By | / Date | /Time |
| \mathcal{M} | 15/14 | 0-2 |
| 111ann 41 | 18/6 | 4-1 |
| Received for Lab By | Date | /Time |

Original - Lab Copy Yellow - Sampler Copy

| Remarks: | | | |
|----------|--|--|--|
| | | | |
| | | | |
| | | | |

COC/Labels Agree Preservation Confirmed

Received on Ice

May 02, 2024

Heather Murphy Keystone Laboratories 600 East 17 th Street South Newton, IA 50208

TEL: (641) 792-8451

FAX:

Illinois 100226

Illinois 1004652024-2

Kansas E-10374

Louisiana 05002

Louisiana 05003

Oklahoma 9978

RE: 1HD1532 **WorkOrder**: 24042287

Dear Heather Murphy:

TEKLAB, INC received 4 samples on 4/29/2024 9:07:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley Director of Customer Service (618)344-1004 ex 33 ehurley@teklabinc.com



HLW Engineering
PM: Heather Murphy

Report Contents

http://www.teklabinc.com/

| Client: Keystone Laboratories Client Project: 1HD1532 | Work Order: 24042287 Report Date: 02-May-24 | | |
|---|---|--|--|
| This reporting package includes the following: | | | |
| Cover Letter | 1 | | |
| Report Contents | 2 | | |
| Definitions | 3 | | |
| Case Narrative | 5 | | |
| Accreditations | 6 | | |
| Laboratory Results | 7 | | |
| Receiving Check List | 11 | | |
| Chain of Custody | Appended | | |

Definitions

http://www.teklabinc.com/

Client: Keystone Laboratories Work Order: 24042287

Client Project: 1HD1532 Report Date: 02-May-24

Abbr Definition

- * Analytes on report marked with an asterisk are not NELAP accredited
- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
 - DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
 - DNI Did not ignite
- DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- NC Data is not acceptable for compliance purposes
- ND Not Detected at the Reporting Limit
- **NELAP NELAP Accredited**
 - PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
 - RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
 - RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
 - SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
 - Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
 - TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count (> 200 CFU)

Definitions

http://www.teklabinc.com/

Client: Keystone Laboratories Work Order: 24042287

Client Project: 1HD1532 Report Date: 02-May-24

Qualifiers

- Unknown hydrocarbon

C - RL shown is a Client Requested Quantitation Limit

H - Holding times exceeded

J - Analyte detected below quantitation limits

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)

Case Narrative

Locations

1319 Butterfield Rd.

(630) 324-6855

Downers Grove, IL 60515

arenner@teklabinc.com

Address

Phone

Email

Address

Phone

Email

Fax

Fax

http://www.teklabinc.com/

Client: Keystone Laboratories

Work Order: 24042287

Client Project: 1HD1532

Report Date: 02-May-24

Cooler Receipt Temp: 18.3 °C

Collinsville

(618) 344-1004

(618) 344-1005

jhriley@teklabinc.com

5445 Horseshoe Lake Road

Collinsville, IL 62234-7425

EHurley@teklabinc.com

Collinsville Air

(618) 344-1004

(618) 344-1005

Address

Phone

Email

Address

Phone

Fax Email

Fax

5445 Horseshoe Lake Road

Collinsville, IL 62234-7425

| Springfield | Kansas City | | | |
|----------------------------|-------------|-----------------------|--|--|
| 3920 Pintail Dr | Address | 8421 Nieman Road | | |
| Springfield, IL 62711-9415 | | Lenexa, KS 66214 | | |
| (217) 698-1004 | Phone | (913) 541-1998 | | |
| (217) 698-1005 | Fax | (913) 541-1998 | | |
| KKlostermann@teklabinc.com | Email | jhriley@teklabinc.com | | |
| Chicago | | | | |

Accreditations

http://www.teklabinc.com/

Client: Keystone Laboratories

Work Order: 24042287

Client Project: 1HD1532

Report Date: 02-May-24

| Dept | Cert # | NELAP | Exp Date | Lab |
|------|---|---|---|---|
| IEPA | 100226 | NELAP | 1/31/2025 | Collinsville |
| IEPA | 1004652024-2 | NELAP | 4/30/2025 | Collinsville |
| KDHE | E-10374 | NELAP | 4/30/2025 | Collinsville |
| LDEQ | 05002 | NELAP | 6/30/2024 | Collinsville |
| LDEQ | 05003 | NELAP | 6/30/2024 | Collinsville |
| ODEQ | 9978 | NELAP | 8/31/2024 | Collinsville |
| ADEQ | 88-0966 | | 3/14/2025 | Collinsville |
| IDPH | 17584 | | 5/31/2025 | Collinsville |
| IDNR | 430 | | 6/1/2024 | Collinsville |
| UST | 0073 | | 1/31/2025 | Collinsville |
| MDNR | 00930 | | 10/31/2026 | Collinsville |
| MDNR | 930 | | 1/31/2025 | Collinsville |
| | IEPA IEPA KDHE LDEQ LDEQ ODEQ ADEQ IDPH IDNR UST MDNR | IEPA 100226 IEPA 1004652024-2 KDHE E-10374 LDEQ 05002 LDEQ 05003 ODEQ 9978 ADEQ 88-0966 IDPH 17584 IDNR 430 UST 0073 MDNR 00930 | IEPA 100226 NELAP IEPA 1004652024-2 NELAP KDHE E-10374 NELAP LDEQ 05002 NELAP LDEQ 05003 NELAP ODEQ 9978 NELAP ADEQ 88-0966 IDPH 17584 IDNR 430 UST 0073 MDNR 00930 00930 | IEPA 100226 NELAP 1/31/2025 IEPA 1004652024-2 NELAP 4/30/2025 KDHE E-10374 NELAP 4/30/2025 LDEQ 05002 NELAP 6/30/2024 LDEQ 05003 NELAP 6/30/2024 ODEQ 9978 NELAP 8/31/2024 ADEQ 88-0966 3/14/2025 IDPH 17584 5/31/2025 IDNR 430 6/1/2024 UST 0073 1/31/2025 MDNR 00930 10/31/2026 |

Laboratory Results

http://www.teklabinc.com/

Client: Keystone Laboratories

Work Order: 24042287

Client Project: 1HD1532

Report Date: 02-May-24

Lab ID: 24042287-001

Client Sample ID: 1HD1532-05

Matrix: AQUEOUS

Collection Date: 04/17/2024 9:10

| | nalyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed Batch |
|-----------|-----------|---------------|-----|-------|--------|-------|----|--------------------------|
| PERMANENT | GASES (RS | KSOP-175) | | arde. | | | | |
| Methane | | * | 4.0 | | 22.3 | μg/L | 1 | 04/29/2024 12:54 R346446 |

Laboratory Results

http://www.teklabinc.com/

Client: Keystone Laboratories Work Order: 24042287

Client Project: 1HD1532 Report Date: 02-May-24

Lab ID: 24042287-002 Client Sample ID: 1HD1532-06

Matrix: AQUEOUS Collection Date: 04/17/2024 8:46

| Analyses | Certification | RL Qual | Result | Units | DF | Date Analyzed Batch |
|-----------------|----------------|---------|--------|-------|----|--------------------------|
| PERMANENT GASES | S (RSKSOP-175) | | | | | |
| Methane | * | 4.0 | 9.1 | μg/L | 1 | 04/29/2024 13:04 R346446 |

Laboratory Results

http://www.teklabinc.com/

Client: Keystone Laboratories Work Order: 24042287

Client Project: 1HD1532 Report Date: 02-May-24

Lab ID: 24042287-003 Client Sample ID: 1HD1532-07

Matrix: AQUEOUS Collection Date: 04/16/2024 11:20

| Analyses | Certification | RL Qı | ıal Result | Units | DF | Date Analyzed Batch |
|---------------------|---------------|-------|------------|-------|----|--------------------------|
| PERMANENT GASES (RS | KSOP-175) | | | | | |
| Methane | * | 40.0 | 96.2 | μg/L | 10 | 04/29/2024 13:59 R346446 |

Laboratory Results

http://www.teklabinc.com/

Client: Keystone Laboratories Work Order: 24042287

Client Project: 1HD1532 Report Date: 02-May-24

Lab ID: 24042287-004 Client Sample ID: 1HD1532-11

Matrix: AQUEOUS Collection Date: 04/17/2024 8:29

| Analyses | Certification | RL Qual | Result | Units | DF | Date Analyzed Batch |
|----------------------|---------------|---------|--------|-------|-----|--------------------------|
| PERMANENT GASES (RSI | KSOP-175) | | | | | |
| Methane | * | 400 | 2370 | μg/L | 100 | 04/29/2024 14:10 R346446 |

Receiving Check List

http://www.teklabinc.com/

| | | | 113551) | 7 WWW.comabinercom | | | | |
|--|--|--------------|-------------------|--------------------|--|--|--|--|
| Client: Keystone Laboratories | Work Order: 24042287 | | | | | | | |
| lient Project: 1HD1532 Report Date: 02-May | | | | | | | | |
| | | | | | | | | |
| Carrier: Spee Dee | Receiv | ved By: LEH | | | | | | |
| Completed by: | Revi | ewed by: | | | | | | |
| On: | 0 | - | | | | | | |
| 29-Apr-24 | | pr-24 | | | | | | |
| Paul Schultz | | F | Ellie Hopkins | | | | | |
| Pages to follow: Chain of custody 1 | Extra pages included | 1 0 | | | | | | |
| Shipping container/cooler in good condition? | Yes 🗸 | No 🗌 | Not Present | Temp °C 18,3 | | | | |
| Type of thermal preservation? | None | Ice 🗹 | Blue Ice | Dry Ice | | | | |
| Chain of custody present? | Yes 🗹 | No 🗌 | | | | | | |
| Chain of custody signed when relinquished and received? | Yes 🗹 | No 🗌 | | | | | | |
| Chain of custody agrees with sample labels? | Yes 🗹 | No 🗌 | | | | | | |
| Samples in proper container/bottle? | Yes 🗹 | No 🗌 | | | | | | |
| Sample containers intact? | Yes 🗹 | No 🗌 | | | | | | |
| Sufficient sample volume for indicated test? | Yes 🗹 | No 🗌 | | | | | | |
| All samples received within holding time? | Yes 🗹 | No 🗌 | | | | | | |
| Reported field parameters measured: | Field | Lab 🗌 | NA 🗹 | | | | | |
| Container/Temp Blank temperature in compliance? | Yes | No 🗸 | | ` | | | | |
| When thermal preservation is required, samples are complia 0.1°C - 6.0°C, or when samples are received on ice the sam | nt with a temperature e day as collected. | between | | | | | | |
| Water – at least one vial per sample has zero headspace? | Yes 🗸 | No 🗌 | No VOA vials | | | | | |
| Water - TOX containers have zero headspace? | Yes | No 🗌 | No TOX containers | | | | | |
| Water - pH acceptable upon receipt? | Yes 🗹 | No 🗌 | NA 🗆 | | | | | |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes 🗌 | No 🗌 | NA 🗹 | | | | | |
| Any No responses i | must be detailed belo | ow or on the | COC. | | | | | |
| NAMES AND DESCRIPTION OF THE PERSON NAMES AND DESCRIPTION OF THE PERSON NAMED ASSESSMENT OF T | | | | | | | | |

The samples were out of temperature compliance upon receipt. - ehopkins - 4/29/2024 10:42:47 AM

(也)MICROBAC



SUBCONTRACTED CHAIN OF CUSTODY

1HD1532

SENDING LABORATORY:

Microbac Laboratories, Inc., Newton

600 East 17th Street South

Newton, IA 50208 Phone: 641-792-8451

Lab Manager: Heather Murphy

Email: heather.murphy@microbac.com

RECEIVING LABORATORY:

Teklab, Inc.

5445 Horseshoe Lake Road

Collinsville, IL 62234 Phone: (618) 344-1004

Project Info:

Project Type:

Landfills

Report TAT: 10

Project Location:

Description: MW-49

Due: 05/02/24 17:00

Sample ID: 1HD1532-05

24047-87-001

Sampled: 04/17/24 09:10

Sampler: Whipple, Todd

Matrix: Water

Analysis

SampleType: GRAB

Method

Analysis Due

Expires

methane-astm-d1946

-002

ASTM D1946

05/02/24 17:00

05/01/24 09:10

Sample ID: 1HD1532-06

Sampled: 04/17/24 08:46

Description: MW-54

Sampler: Whipple, Todd

Matrix: Water

Analysis

SampleType: GRAB

Method

Analysis Due

05/02/24 17:00

Expires

methane-astm-d1946

Sample ID: 1HD1532-07

Sampled: 04/16/24 11:20

05/01/24 08:46

Matrix: Water

Description: MW-81

Sampler: Whipple, Todd

SampleType: GRAB

Analysis

Method

ASTM D1946

Analysis Due

Expires

methane-astm-d1946

ASTM D1946

05/02/24 17:00

04/30/24 11:20

Sample ID: 1HD1532-11

Sampled: 04/17/24 08:29

Sampler: Whipple, Todd

Description: MW-94

Matrix: Water

Analysis

SampleType: GRAB

Expires

methane-astm-d1946

ASTM D1946

Method

Analysis Due 05/02/24 17:00

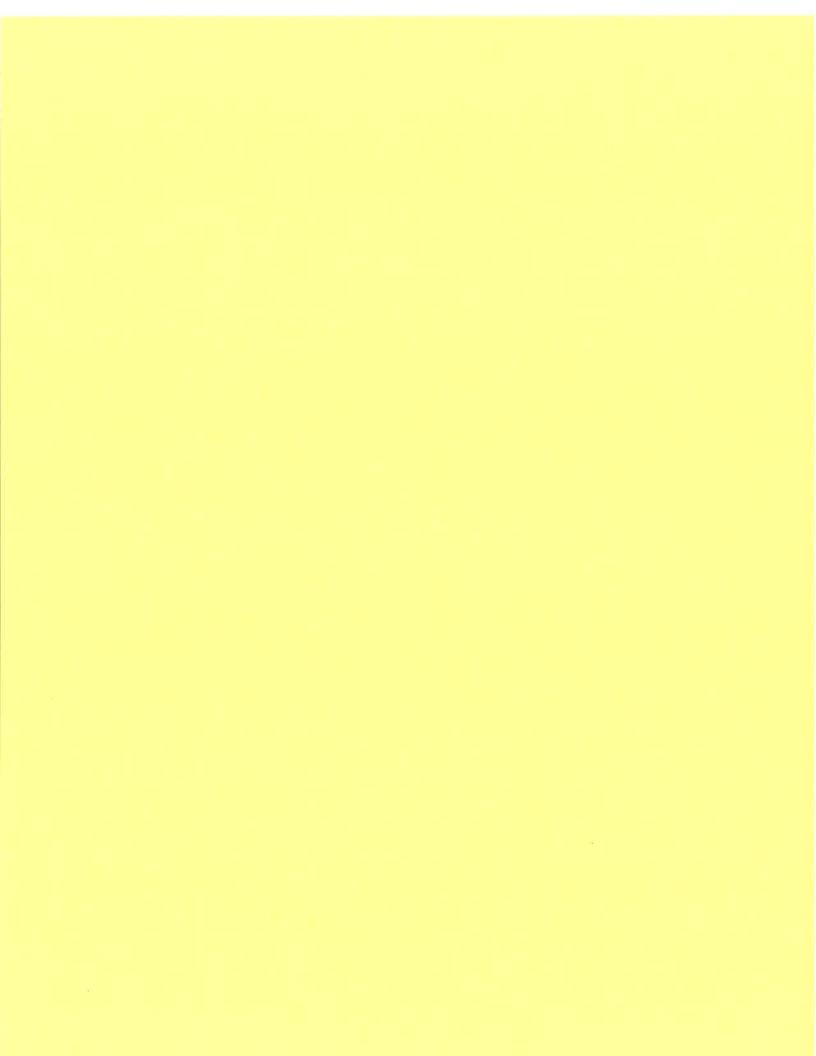
05/01/24 08:29

Released By

Date

Received By

Date





CERTIFICATE OF ANALYSIS 1HD1511

Project Description

6003

For:

Todd Whipple

HLW Engineering

PO Box 314

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Friday, May 31, 2024

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

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

Microbac Laboratories, Inc.



1HD1511

HLW Engineering

Project Name: 6003

Todd Whipple PO Box 314 Story City, IA 50248 Project / PO Number: N/A Received: 04/18/2024 Reported: 05/31/2024

Sample Summary Report

Sample NameLaboratory IDClient MatrixSample TypeSample BeginSample TakenLab ReceivedLW-751HD1511-01AqueousGRAB04/16/24 15:2204/18/24 09:39



Analytical Testing Parameters

Client Sample ID:LW-75Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1511-01Collection Date:04/16/2024 15:22

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|----------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | 1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Vinyl Chloride | 3.4 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Chloroethane | 3.9 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Acetone | 28.8 | 10.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Methylene Chloride | 75.3 | 5.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| 1,1-Dichloroethane | 7.6 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| cis-1,2-Dichloroethylene | 6.8 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Benzene | 8.9 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| 1,2-Dichloroethane | 1.9 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Trichloroethylene | 1.7 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| 4-Methyl-2-pentanone (MIBK) | 6.1 | 5.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Toluene | 108 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Ethylbenzene | Over Cal | | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |
| Ethylbenzene | 297 | 5.0 | ug/L | 5 | | 04/25/24 0000 | 04/25/24 1731 | LJS |
| Xylenes, total | 231 | 2.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS |



Client Sample ID: LW-75
Sample Matrix: Aqueous
Lab Sample ID: 1HD1511-01

Collected By: Whipple, Todd
Collection Date: 04/16/2024 15:22

| Lab Sample ID: 1HD1511-01 | | | | | Collection | Date: 04/16/ | e: 04/16/2024 15:22 | | |
|--|--------|----------------|---------------|--------------|------------|-------------------------------|-------------------------------|--------------------|--|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys | |
| Styrene | 2.5 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| 1,4-Dichlorobenzene | 163 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| Surrogate: Dibromofluoromethane | 94.5 | Limit: 80-126 | % Rec | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| Surrogate: Dibromofluoromethane | 94.5 | Limit: 75-136 | % Rec | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| Surrogate: Dibromofluoromethane | 91.3 | Limit: 75-136 | % Rec | 5 | | 04/25/24 0000 | 04/25/24 1731 | LJS | |
| Surrogate: 1,2-Dichloroethane-d4 | 97.7 | Limit: 61-142 | % Rec | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| Surrogate: 1,2-Dichloroethane-d4 | 97.7 | Limit: 63-138 | % Rec | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| Surrogate: 1,2-Dichloroethane-d4 | 95.7 | Limit: 61-142 | % Rec | 5 | | 04/25/24 0000 | 04/25/24 1731 | LJS | |
| Surrogate: Toluene-d8 | 98.4 | Limit: 87-116 | % Rec | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| Surrogate: Toluene-d8 | 98.4 | Limit: 82-121 | % Rec | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| Surrogate: Toluene-d8 | 97.8 | Limit: 82-121 | % Rec | 5 | | 04/25/24 0000 | 04/25/24 1731 | LJS | |
| Surrogate: 4-Bromofluorobenzene | 99.9 | Limit: 80-116 | % Rec | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| Surrogate: 4-Bromofluorobenzene | 99.9 | Limit: 85-111 | % Rec | 1 | | 04/19/24 0000 | 04/19/24 1519 | LJS | |
| Surrogate: 4-Bromofluorobenzene | 99.5 | Limit: 80-116 | % Rec | 5 | | 04/25/24 0000 | 04/25/24 1731 | LJS | |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst | |
| 2320B | | | | | | | | | |
| Alkalinity, as CaCO3 | 1530 | 50 | mg/L | 1 | | 04/19/24 1101 | 04/19/24 1402 | BSS | |
| EPA 410.4 | | | Ü | | | | | | |
| COD, total | 1170 | 216 | mg/L | 4 | | 04/25/24 1633 | 04/26/24 1310 | CHP | |
| EPA 9040 | | | 9/ = | · | | 0 1/20/2 1 1000 | 0.,,20,,21.10.10 | 0 | |
| рН | 7.1 | 0.5 | рН | 1 | I-03 | | 04/19/24 1612 | BSS | |
| SM 5210 B | 7.1 | 0.0 | рп | • | 1-03 | | 04/19/24 1012 | Воо | |
| | 400 | 6 | ma/l | 2 | 1.05 | 04/40/94 0944 | 04/10/04 1105 | MAND | |
| BOD (5 day) | 123 | 6 | mg/L | 3 | I-05 | 04/19/24 0841 | 04/19/24 1125 | MND | |
| TIMBERLINE | | 4.00 | | 4.0 | | | | | |
| Nitrogen, Ammonia | 109 | 1.00 | mg/L | 10 | | 04/29/24 0719 | 04/29/24 1203 | LJS | |
| USGS I-1750-85 | | | | | | | | | |
| Total Dissolved Solids (TDS) | 3680 | 5 | mg/L | 1 | | 04/22/24 1436 | 04/23/24 0740 | MEAH | |
| USGS I-3765-85 | | | | | | | | | |
| Total Suspended Solids (TSS) | 14 | 1 | mg/L | 1 | | 04/22/24 0941 | 04/22/24 1410 | MEAH | |
| | | | | | | | | | |
| Determination of Inorganic Anions | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst | |
| Determination of Inorganic Anions EPA 9056 | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys | |
| | Result | RL 50.0 | Units mg/L | DF 50 | Note | Prepared 05/02/24 0000 | Analyzed 05/02/24 1958 | Analyst MID | |



CERTIFICATE OF ANALYSIS

1HD1511

Client Sample ID:LW-75Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HD1511-01Collection Date:04/16/2024 15:22

| Determination of Total Metals | Result RL Units | | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|-----------------|--------|-------|----|------|---------------|---------------|---------|
| EPA 3005A/EPA 6020A | | | | | | | | |
| Arsenic, total | 0.0214 | 0.0040 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2243 | JAR |
| Cobalt, total | 0.0221 | 0.0004 | mg/L | 4 | | 04/24/24 0716 | 04/25/24 2243 | JAR |



Batch Log Summary

| Method | Batch | Laboratory ID | Client / Source ID |
|----------------|---------|---------------|--------------------|
| SM 5210 B | 1HD1215 | 1HD1215-BLK1 | |
| | | 1HD1215-SRM1 | |
| | | 1HD1511-01 | LW-75 |
| | | 1HD1215-DUP1 | 1HD1444-01 |
| Method | Batch | Laboratory ID | Client / Source ID |
| 2320B | 1HD1237 | 1HD1237-BLK1 | |
| | | 1HD1237-BS1 | |
| | | 1HD1511-01 | LW-75 |
| | | 1HD1237-MS1 | 1HD1512-01 |
| | | 1HD1237-MSD1 | 1HD1512-01 |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 9040 | 1HD1258 | 1HD1258-DUP1 | 1HD1434-01 |
| | | 1HD1258-SRM2 | |
| | | 1HD1258-SRM1 | |
| | | 1HD1511-01 | LW-75 |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 8260B | 1HD1274 | 1HD1274-BS1 | |
| | | 1HD1274-BSD1 | |
| | | 1HD1274-BLK1 | |
| | | 1HD1511-01 | LW-75 |
| | | 1HD1274-MS1 | 1HD1510-05 |
| | | 1HD1274-MSD1 | 1HD1510-05 |
| Method | Batch | Laboratory ID | Client / Source ID |
| USGS I-3765-85 | 1HD1292 | 1HD1292-DUP1 | 1HD1347-01 |
| | | 1HD1511-01 | LW-75 |
| | | 1HD1292-BS1 | |
| | | 1HD1292-BLK1 | |
| Method | Batch | Laboratory ID | Client / Source ID |
| USGS I-1750-85 | 1HD1318 | 1HD1511-01 | LW-75 |
| | | 1HD1318-BLK1 | |
| | | 1HD1318-DUP1 | 1HD1574-01 |
| | | 1HD1318-BS1 | |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 8260B | 1HD1408 | 1HD1408-BS1 | |
| | | 1HD1408-BSD1 | |



CERTIFICATE OF ANALYSIS

| EPA 8260B | 1HD1408 | 1HD1408-BLK1 | |
|------------|------------|---------------------|--------------------|
| | | 1HD1408-MS1 | 1HD1532-04 |
| | | 1HD1408-MSD1 | 1HD1532-04 |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 6020A | 1HD1412 | 1HD1412-BLK1 | |
| | | 1HD1412-BS1 | |
| | | 1HD1511-01 | LW-75 |
| | | 1HD1412-MS1 | 1HD1511-01 |
| | | 1HD1412-MSD1 | 1HD1511-01 |
| | | 1HD1412-PS1 | 1HD1511-01 |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 410.4 | 1HD1566 | 1HD1566-BLK1 | |
| | | 1HD1566-MSD1 | 1HD1361-01 |
| | | 1HD1566-MS1 | 1HD1361-01 |
| | | 1HD1511-01 | LW-75 |
| | | 1HD1566-BS1 | |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 8260B | 1HD1572 | 1HD1572-BS1 | |
| | | 1HD1572-BSD1 | |
| | | 1HD1572-BLK1 | |
| | | 1HD1511-01RE2 | LW-75 |
| | | 1HD1572-MS1 | 1HD1698-01 |
| | | 1HD1572-MSD1 | 1HD1698-01 |
| Method | Batch | Laboratory ID | Client / Source ID |
| TIMBERLINE | 1HD1631 | 1HD1631-BLK1 | |
| | | 1HD1631-BS1 | |
| | | 1HD1631-MS1 | 2HD0576-02 |
| | | 1HD1631-MSD1 | 2HD0576-02 |
| | | 1HD1511-01 | LW-75 |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 9056 | 1HE0146 | 1HE0146-BLK1 | |
| | | 1HE0146-MRL1 | |
| | | 1HE0146-BS1 | |
| | | 1HE0146-BSD1 | |
| | | 1HD1511-01 | LW-75 |
| | | 1HE0146-MS1 | 1HD1656-01 |
| | | 1HE0146-MSD1 | 1HD1656-01 |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 9056 | 1HE0195 | 1HE0195-BLK1 | |
| | Microbac I | _aboratories, Inc., | Newton |



CERTIFICATE OF ANALYSIS

1HD1511

EPA 9056 1HE0195 1HE0195-MRL1

1HE0195-BS1 1HE0195-BSD1

1HE0195-MS1 1HD1652-01 1HE0195-MSD1 1HD1652-01

1HE0195-BLK2

1HD1511-01 LW-75

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Spike %REC **RPD** Source Notes **Determination of Volatile** RL Limit Result Units Level Result %REC Limits **RPD Organic Compounds**

Batch 1HD1274 - EPA 5030B - EPA 8260B

| Blank (1HD1274-BLK1) | | | Prepared: 04/19/24 00:00 Analyzed: 04/19/24 11:36 |
|-----------------------------|-------|------|---|
| 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 lodide | <1.0 | 1.0 | ug/L |
| Carbon Disulfide | <1.0 | 1.0 | ug/L |
| Methylene Chloride | <5.0 | 5.0 | ug/L |
| Acrylonitrile | <5.0 | 5.0 | ug/L |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L |
| Vinyl Acetate | <5.0 | 5.0 | ug/L |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L |
| Bromochloromethane | <1.0 | 1.0 | ug/L |
| Chloroform | <1.0 | 1.0 | ug/L |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L |
| Benzene | <1.0 | 1.0 | ug/L |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L |
| Trichloroethylene | <1.0 | 1.0 | ug/L |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L |
| Dibromomethane | <1.0 | 1.0 | ug/L |
| Bromodichloromethane | <1.0 | 1.0 | ug/L |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L |
| Toluene | <1.0 | 1.0 | ug/L |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L |



CERTIFICATE OF ANALYSIS

1HD1511

Spike Source

%REC RPD

| | | | | Spike | Source | | %REC | | RPD | |
|--|----------------|------------|--------------|--------------|-------------|------------|--------|-----|-------|------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Note |
| Batch 1HD1274 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| Blank (1HD1274-BLK1) | | | Prepared: 04 | 4/19/24 00:0 | 0 Analyzed: | 04/19/24 1 | 1:36 | | | |
| 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 | _ | | | | | | | |
| 1,2-Dibroffio-3-chiloroproparie | | 5.0 | ug/L | | | | | | | |
| Surrogate: Dibromofluoromethane | 47.8 | | ug/L | 50.2 | | 95.2 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 47.8 | | ug/L | 50.2 | | 95.2 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.7 | | ug/L | 50.1 | | 97.3 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.7 | | ug/L | 50.1 | | 97.3 | 61-142 | | | |
| Surrogate: Toluene-d8 | 48.9 | | ug/L | 50.4 | | 97.0 | 87-116 | | | |
| Surrogate: Toluene-d8 | 48.9 | | ug/L | 50.4 | | 97.0 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.1 | | ug/L | 50.1 | | 97.9 | 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.1 | | ug/L | 50.1 | | 97.9 | 80-116 | | | |
| .CS (1HD1274-BS1) | | | Prepared: 04 | | 0 Analyzed: | 04/19/24 1 | 0:28 | | | |
| Chloromethane | 31.07 | 1.0 | ug/L | 30.6 | | 101 | 63-155 | | | |
| Vinyl Chloride | 31.29 | 1.0 | ug/L | 30.2 | | 104 | 70-154 | | | |
| Bromomethane | 26.63 | 1.0 | ug/L | 28.8 | | 92.5 | 52-176 | | | |
| Chloroethane | 35.46 | 1.0 | ug/L | 31.6 | | 112 | 72-148 | | | |
| Trichlorofluoromethane | 31.82 | 1.0 | ug/L | 32.6 | | 97.6 | 70-152 | | | |
| 1,1-Dichloroethylene | 50.43 | 1.0 | ug/L | 50.0 | | 101 | 70-148 | | | |
| Acetone | 90.44 | 10.0 | ug/L | 102 | | 88.7 | 43-172 | | | |
| Methyl Iodide | 101.6 | 1.0 | ug/L | 99.7 | | 102 | 69-170 | | | |
| Carbon Disulfide | 94.70 | 1.0 | ug/L | 101 | | 93.8 | 72-162 | | | |
| Methylene Chloride | 51.19 | 5.0 | ug/L | 50.0 | | 102 | 68-142 | | | |
| Acrylonitrile | 100.4 | 5.0 | ug/L | 100 | | 100 | 67-144 | | | |
| trans-1,2-Dichloroethylene | 51.58 | 1.0 | ug/L | 50.0 | | 103 | 66-148 | | | |
| 1,1-Dichloroethane | 50.63 | 1.0 | ug/L | 50.0 | | 101 | 66-143 | | | |
| Vinyl Acetate | 111.4 | 5.0 | ug/L | 102 | | 109 | | | | |
| • | 49.59 | | | | | | 43-153 | | | |
| cis-1,2-Dichloroethylene | 111.8 | 1.0 | ug/L | 50.0 | | 99.2 | 71-149 | | | |
| 2-Butanone (MEK) | | 10.0 | ug/L | 103 | | 108 | 52-159 | | | |
| Bromochloromethane | 51.97 | 1.0 | ug/L | 50.0 | | 104 | 69-143 | | | |
| Ol-1f | | 1 () | HQ/I | 60.0 | | 100 | 69-144 | | | |
| Chloroform 1,1,1-Trichloroethane | 49.99 47.72 | 1.0 1.0 | ug/L ug/L | 50.0 50.0 | | 95.4 | 62-129 | | | |



1HD1511

| | | | | Spike | Source | | %REC | | RPD | Notes |
|---|--------------|------|--------------|--------------|-------------|--------------|------------------|------|-------|---------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1274 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| CS (1HD1274-BS1) | | | Prepared: 04 | 1/19/24 00:0 | 0 Analyzed: | 04/19/24 1 | 0:28 | | | |
| Benzene | 51.82 | 1.0 | ug/L | 50.0 | | 104 | 71-134 | | | |
| 1,2-Dichloroethane | 51.40 | 1.0 | ug/L | 50.0 | | 103 | 72-132 | | | |
| Trichloroethylene | 51.45 | 1.0 | ug/L | 50.0 | | 103 | 71-135 | | | |
| 1,2-Dichloropropane | 52.48 | 1.0 | ug/L | 50.0 | | 105 | 69-136 | | | |
| Dibromomethane | 54.18 | 1.0 | ug/L | 50.0 | | 108 | 73-147 | | | |
| Bromodichloromethane | 52.29 | 1.0 | ug/L | 50.0 | | 105 | 68-129 | | | |
| cis-1,3-Dichloropropene | 52.86 | 1.0 | ug/L | 50.0 | | 106 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 113.6 | 5.0 | ug/L | 101 | | 112 | 58-147 | | | |
| Toluene | 50.08 | 1.0 | ug/L | 50.0 | | 100 | 72-133 | | | |
| trans-1,3-Dichloropropene | 55.12 | 1.0 | ug/L | 50.0 | | 110 | 67-130 | | | |
| 1,1,2-Trichloroethane | 53.60 | 1.0 | ug/L | 50.0 | | 107 | 69-135 | | | |
| Tetrachloroethylene | 51.61 | 1.0 | ug/L | 50.0 | | 103 | 69-130 | | | |
| 2-Hexanone (MBK) | 120.8 | 5.0 | ug/L | 103 | | 117 | 55-144 | | | |
| Dibromochloromethane | 55.86 | 1.0 | ug/L | 50.0 | | 112 | 73-127 | | | |
| 1,2-Dibromoethane | 54.36 | 1.0 | ug/L | 50.0 | | 109 | 67-132 | | | |
| Chlorobenzene | 52.34 | 1.0 | ug/L | 50.0 | | 105 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 54.67 | 1.0 | ug/L | 50.0 | | 109 | 73-127 | | | |
| Ethylbenzene | 53.92 | 1.0 | ug/L | 50.0 | | 108 | 71-127 | | | |
| Xylenes, total | 164.1 | 2.0 | ug/L | 150 | | 109 | 74-127 | | | |
| Styrene | 56.40 | 1.0 | ug/L | 50.0 | | 113 | 66-126 | | | |
| Bromoform | 54.07 | 1.0 | ug/L | 50.0 | | 108 | 68-130 | | | |
| 1,2,3-Trichloropropane | 54.40 | 1.0 | ug/L | 50.0 | | 109 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 103.3 | 5.0 | ug/L | 104 | | 99.4 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 54.53 | 1.0 | ug/L | 50.0 | | 109 | 61-131 | | | |
| 1,4-Dichlorobenzene | 52.01 | 1.0 | ug/L | 50.0 | | 109 | 70-129 | | | |
| 1,2-Dichlorobenzene | 54.06 | 1.0 | ug/L ug/L | 50.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | 55.64 | 5.0 | ug/L | 50.0 | | 108 111 | 69-126 50-143 | | | |
| 1,2 Bibroine o dinereprepane | | 0.0 | 49/2 | | | | 30-143 | | | |
| Surrogate: Dibromofluoromethane | 47.8 | | ug/L | 50.2 | | 95.3 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 47.8 | | ug/L | 50.2 | | 95.3 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.1 | | ug/L | 50.1 | | 96.0 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 | 48.1 49.5 | | ug/L ug/L | 50.1 50.4 | | 96.0 98.3 | 61-142 87-116 | | | |
| Surrogate: Toluene-d8 | 49.5 49.5 | | ug/L ug/L | 50.4 50.4 | | 98.3 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.3 | | ug/L | 50.1 | | 100 | 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.3 | | ug/L | 50.1 | | 100 | 80-116 | | | |
| CS Dup (1HD1274-BSD1) | | | Prepared: 04 | 1/19/24 00:0 | 0 Analyzed: | 04/19/24 1 | 0:51 | | | |
| Chloromethane | 24.98 | 1.0 | ug/L | 30.6 | | 81.5 | 63-155 | 21.7 | 24 | |
| Vinyl Chloride | 21.82 | 1.0 | ug/L | 30.2 | | 72.2 | 70-154 | 35.7 | 25 | QR-02 |
| Bromomethane | 23.19 | 1.0 | ug/L | 28.8 | | 80.5 | 52-176 | 13.8 | 27 | |
| Chloroethane | 28.16 | 1.0 | ug/L | 31.6 | | 89.0 | 72-148 | 22.9 | 25 | |
| Trichlorofluoromethane | 25.31 | 1.0 | ug/L | 32.6 | | 77.6 | 70-152 | 22.8 | 26 | |
| 1,1-Dichloroethylene | 39.10 | 1.0 | ug/L | 50.0 | | 78.2 | 70-132 | 25.3 | 24 | QR-02 |
| Acetone | 74.10 | 10.0 | ug/L | 102 | | 70.2 | 43-172 | 19.9 | 30 | Q. (U2 |



| 1 | ш | П | 1 | ᄃ | 1 | 1 | |
|---|---|---|---|---|---|---|--|
| ш | Н | ט | ı | υ | | ı | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---------|------|--------------|----------------|------------------|------------|----------------|------|--------------|-------|
| Batch 1HD1274 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| LCS Dup (1HD1274-BSD1) | | | Prepared: 04 | 1/19/24 00:0 | 0 Analyzed: | 04/19/24 1 | 0:51 | | | |
| Methyl lodide | 83.32 | 1.0 | ug/L | 99.7 | | 83.6 | 69-170 | 19.8 | 30 | |
| Carbon Disulfide | 73.63 | 1.0 | ug/L | 101 | | 72.9 | 72-162 | 25.0 | 24 | QR-02 |
| Methylene Chloride | 41.44 | 5.0 | ug/L | 50.0 | | 82.9 | 68-142 | 21.1 | 21 | QR-02 |
| Acrylonitrile | 80.73 | 5.0 | ug/L | 100 | | 80.4 | 67-144 | 21.7 | 24 | |
| trans-1,2-Dichloroethylene | 41.12 | 1.0 | ug/L | 50.0 | | 82.2 | 66-148 | 22.6 | 27 | |
| 1,1-Dichloroethane | 40.69 | 1.0 | ug/L | 50.0 | | 81.4 | 66-143 | 21.8 | 24 | |
| Vinyl Acetate | 89.66 | 5.0 | ug/L | 102 | | 88.0 | 43-153 | 21.6 | 30 | |
| cis-1,2-Dichloroethylene | 47.62 | 1.0 | ug/L | 50.0 | | 95.2 | 71-149 | 4.05 | 26 | |
| 2-Butanone (MEK) | 94.14 | 10.0 | ug/L | 103 | | 91.1 | 52-159 | 17.1 | 27 | |
| Bromochloromethane | 42.26 | 1.0 | ug/L | 50.0 | | 84.5 | 69-143 | 20.6 | 23 | |
| Chloroform | 40.04 | 1.0 | ug/L | 50.0 | | 80.1 | 69-144 | 22.1 | 23 | |
| 1,1,1-Trichloroethane | 37.82 | 1.0 | ug/L | 50.0 | | 75.6 | 62-129 | 23.1 | 24 | |
| Carbon Tetrachloride | 40.10 | 1.0 | ug/L | 50.0 | | 80.2 | 63-141 | 23.8 | 25 | |
| Benzene | 42.04 | 1.0 | ug/L | 50.0 | | 84.1 | 71-134 | 20.8 | 24 | |
| 1,2-Dichloroethane | 41.67 | 1.0 | ug/L | 50.0 | | 83.3 | 72-132 | 20.9 | 24 | |
| Trichloroethylene | 40.94 | 1.0 | ug/L | 50.0 | | 81.9 | 71-135 | 22.8 | 24 | |
| 1,2-Dichloropropane | 42.59 | 1.0 | ug/L | 50.0 | | 85.2 | 69-136 | 20.8 | 24 | |
| Dibromomethane | 43.52 | 1.0 | ug/L | 50.0 | | 87.0 | 73-147 | 21.8 | 25 | |
| Bromodichloromethane | 42.01 | 1.0 | ug/L | 50.0 | | 84.0 | 68-129 | 21.8 | 22 | |
| cis-1,3-Dichloropropene | 42.63 | 1.0 | ug/L | 50.0 | | 85.3 | 65-134 | 21.4 | 23 | |
| 4-Methyl-2-pentanone (MIBK) | 89.41 | 5.0 | ug/L | 101 | | 88.2 | 58-147 | 23.9 | 27 | |
| Toluene | 40.46 | 1.0 | ug/L | 50.0 | | 80.9 | 72-133 | 21.3 | 24 | |
| trans-1,3-Dichloropropene | 44.01 | 1.0 | ug/L | 50.0 | | 88.0 | 67-130 | 22.4 | 24 | |
| 1,1,2-Trichloroethane | 43.23 | 1.0 | ug/L | 50.0 | | 86.5 | 69-135 | 21.4 | 23 | |
| Tetrachloroethylene | 40.64 | 1.0 | ug/L | 50.0 | | 81.3 | 69-130 | 23.8 | 25 | |
| 2-Hexanone (MBK) | 94.60 | 5.0 | ug/L | 103 | | 91.6 | 55-144 | 24.4 | 25 | |
| Dibromochloromethane | 44.23 | 1.0 | ug/L | 50.0 | | 88.5 | 73-127 | 23.2 | 22 | QR-02 |
| 1,2-Dibromoethane | 43.44 | 1.0 | ug/L | 50.0 | | 86.9 | 67-132 | 22.3 | 24 | |
| Chlorobenzene | 42.53 | 1.0 | ug/L | 50.0 | | 85.1 | 72-123 | 20.7 | 23 | |
| 1,1,1,2-Tetrachloroethane | 44.19 | 1.0 | ug/L | 50.0 | | 88.4 | 73-127 | 21.2 | 24 | |
| Ethylbenzene | 43.38 | 1.0 | ug/L | 50.0 | | 86.8 | 71-127 | 21.7 | 26 | |
| Xylenes, total | 132.4 | 2.0 | ug/L | 150 | | 88.2 | 74-127 | 21.4 | 25 | |
| Styrene | 45.36 | 1.0 | ug/L | 50.0 | | 90.7 | 66-126 | 21.7 | 23 | |
| Bromoform | 42.85 | 1.0 | ug/L | 50.0 | | 85.7 | 68-130 | 23.2 | 23 | QR-02 |
| 1,2,3-Trichloropropane | 43.46 | 1.0 | ug/L | 50.0 | | 86.9 | 63-136 | 22.4 | 24 | |
| trans-1,4-Dichloro-2-butene | 82.12 | 5.0 | ug/L | 104 | | 79.0 | 54-134 | 22.9 | 27 | |
| 1,1,2,2-Tetrachloroethane | 43.64 | 1.0 | ug/L | 50.0 | | 87.3 | 61-131 | 22.2 | 29 | |
| 1,4-Dichlorobenzene | 42.13 | 1.0 | ug/L | 50.0 | | 84.3 | 70-129 | 21.0 | 24 | |
| 1,2-Dichlorobenzene | 44.04 | 1.0 | ug/L | 50.0 | | 88.1 | 69-126 | 20.4 | 26 | |
| 1,2-Dibromo-3-chloropropane | 43.57 | 5.0 | ug/L | 50.0 | | 87.1 | 50-143 | 24.3 | 30 | |
| Surrogate: Dibromofluoromethane | 47.6 | | ug/L | 50.2 | | 94.9 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 47.6 | | ug/L | 50.2 | | 94.9 | 75-136 | | | |



1HD1511

Spike Source

%REC

RPD

| | | | | Spike | Source | | 70KEC | | KPD | |
|---|---------|------------|--------------|--------------|--------------|------------|--------|-----|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1274 - EPA 5030B - EP | A 8260B | | | | | | | | | |
| .CS Dup (1HD1274-BSD1) | | | Prepared: 04 | 4/19/24 00:0 | 00 Analyzed: | 04/19/24 1 | 0:51 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 47.7 | | ug/L | 50.1 | | 95.2 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 47.7 | | ug/L | 50.1 | | 95.2 | 61-142 | | | |
| Surrogate: Toluene-d8 | 49.7 | | ug/L | 50.4 | | 98.7 | 87-116 | | | |
| Surrogate: Toluene-d8 | 49.7 | | ug/L | 50.4 | | 98.7 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.4 | | ug/L | 50.1 | | 101 | 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.4 | | ug/L | 50.1 | | 101 | 80-116 | | | |
| latrix Spike (1HD1274-MS1) | Source: | 1HD1510-05 | Prepared: 04 | 4/19/24 00:0 | 00 Analyzed: | 04/19/24 1 | 5:41 | | | |
| Chloromethane | 295.1 | 10.0 | ug/L | 306 | ND | 96.3 | 61-152 | | | |
| Vinyl Chloride | 304.1 | 10.0 | ug/L | 302 | ND | 101 | 66-149 | | | |
| Bromomethane | 204.5 | 10.0 | ug/L | 288 | ND | 71.0 | 43-171 | | | |
| Chloroethane | 344.0 | 10.0 | ug/L | 316 | ND | 109 | 69-148 | | | |
| Trichlorofluoromethane | 320.3 | 10.0 | ug/L | 326 | ND | 98.2 | 62-163 | | | |
| 1,1-Dichloroethylene | 484.8 | 10.0 | ug/L | 500 | ND | 97.0 | 70-148 | | | |
| Acetone | 904.5 | 100 | ug/L | 1020 | ND | 88.7 | 45-173 | | | |
| Methyl Iodide | 1053 | 10.0 | ug/L | 997 | ND | 106 | 62-167 | | | |
| Carbon Disulfide | 901.5 | 10.0 | ug/L | 1010 | ND | 89.3 | 71-163 | | | |
| Methylene Chloride | 477.5 | 50.0 | ug/L | 500 | ND | 95.5 | 69-140 | | | |
| Acrylonitrile | 949.5 | 50.0 | ug/L | 1000 | ND | 94.6 | 58-151 | | | |
| trans-1,2-Dichloroethylene | 493.3 | 10.0 | ug/L | 500 | ND | 98.7 | 69-144 | | | |
| 1,1-Dichloroethane | 483.2 | 10.0 | ug/L | 500 | ND | 96.6 | 70-138 | | | |
| Vinyl Acetate | 1122 | 50.0 | ug/L | 1020 | ND | 110 | 58-142 | | | |
| • | 566.5 | 10.0 | • | | | | | | | |
| cis-1,2-Dichloroethylene | 1067 | | ug/L | 500 | ND | 113 | 68-151 | | | |
| 2-Butanone (MEK) Bromochloromethane | 491.2 | 100 | ug/L | 1030 | ND | 103 | 50-160 | | | |
| | 469.6 | 10.0 | ug/L | 500 | ND | 98.2 | 65-143 | | | |
| Chloroform | | 10.0 | ug/L | 500 | ND | 93.9 | 71-143 | | | |
| 1,1,1-Trichloroethane | 463.2 | 10.0 | ug/L | 500 | ND | 92.6 | 63-133 | | | |
| Carbon Tetrachloride | 489.3 | 10.0 | ug/L | 500 | ND | 97.9 | 63-142 | | | |
| Benzene | 486.6 | 10.0 | ug/L | 500 | ND | 97.3 | 69-133 | | | |
| 1,2-Dichloroethane | 480.6 | 10.0 | ug/L | 500 | ND | 96.1 | 63-138 | | | |
| Trichloroethylene | 482.7 | 10.0 | ug/L | 500 | ND | 96.5 | 71-133 | | | |
| 1,2-Dichloropropane | 490.5 | 10.0 | ug/L | 500 | ND | 98.1 | 69-132 | | | |
| Dibromomethane | 497.9 | 10.0 | ug/L | 500 | ND | 99.6 | 70-147 | | | |
| Bromodichloromethane | 479.8 | 10.0 | ug/L | 500 | ND | 96.0 | 67-130 | | | |
| cis-1,3-Dichloropropene | 483.9 | 10.0 | ug/L | 500 | ND | 96.8 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1054 | 50.0 | ug/L | 1010 | ND | 104 | 55-147 | | | |
| Toluene | 470.2 | 10.0 | ug/L | 500 | ND | 94.0 | 71-133 | | | |
| trans-1,3-Dichloropropene | 498.0 | 10.0 | ug/L | 500 | ND | 99.6 | 63-124 | | | |
| 1,1,2-Trichloroethane | 490.2 | 10.0 | ug/L | 500 | ND | 98.0 | 69-133 | | | |
| Tetrachloroethylene | 484.7 | 10.0 | ug/L | 500 | ND | 96.9 | 70-124 | | | |
| 2-Hexanone (MBK) | 1104 | 50.0 | ug/L | 1030 | ND | 107 | 53-141 | | | |
| Dibromochloromethane | 495.7 | 10.0 | ug/L | 500 | ND | 99.1 | 74-122 | | | |
| | 496.8 | | _ | | | 99.4 | 66-127 | | | |
| 1,2-Dibromoethane | 490.0 | 10.0 | ug/L | 500 | ND | 99.4 | 00-12/ | | | |



1HD1511

Spike Source

%REC

RPD

| 2-Butanone (MEK) 718.4 100 ug/L 1030 ND 69.5 50-160 39.0 23 QR-02 Bromochloromethane 474.8 10.0 ug/L 500 ND 95.0 65-143 3.40 22 Chloroform 452.7 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 88.2 63-133 4.93 23 Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 | Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|--|--|---------|-------------|--------------|--------------|--------------|------------|--------|------|-------|-------|
| 1,1,2-Tetrachloroethane | Batch 1HD1274 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Ethylbenzene | Matrix Spike (1HD1274-MS1) | Source: | 1HD1510-05 | Prepared: 04 | 4/19/24 00:0 | 00 Analyzed: | 04/19/24 1 | 5:41 | | | |
| Xylenes, total 1526 20.0 ug/L 1500 ND 102 75-123 Styrene 517.0 10.0 ug/L 500 ND 103 70-120 Total T | 1,1,1,2-Tetrachloroethane | 491.8 | 10.0 | ug/L | 500 | ND | 98.4 | 77-121 | | | |
| Styrene | Ethylbenzene | 503.2 | 10.0 | ug/L | 500 | ND | 101 | 73-124 | | | |
| Bromoform | Xylenes, total | 1526 | 20.0 | ug/L | 1500 | ND | 102 | 75-123 | | | |
| Bromeform | Styrene | 517.0 | 10.0 | ug/L | 500 | ND | 103 | 70-120 | | | |
| 1.2,3-Trichloropropane | Bromoform | 472.8 | 10.0 | ug/L | 500 | ND | | 70-124 | | | |
| trans-14-Dichloro-2-butene 496.8 10.0 ug/L 500 ND 89.1 50-120 1,1,2,2-Tetrachloroethane 496.8 10.0 ug/L 500 ND 99.4 63-126 1,4-Dichlorobenzene 484.9 10.0 ug/L 500 ND 99.7 71-117 1,2-Dichloroethane 484.9 10.0 ug/L 500 ND 99.7 71-117 1,2-Dichloroethane 485 Ug/L 501 99.6 80-126 1,2-Dichloroethane-44 491 Ug/L 501 98.6 87-116 1,2-Dichloroethane-45 197 Ug/L 501 98.6 87-116 1,2-Dichloroethane-45 197 Ug/L 501 98.6 87-116 1,2-Dichloroethane-45 197 Ug/L 501 100 85-117 1,2-Dichloroethane 450 1,2-Dichloroethane-45 197 Ug/L 501 100 85-117 1,2-Dichloroethane 450 1,2-Dic | 1,2,3-Trichloropropane | 490.6 | 10.0 | ug/L | | ND | | 62-135 | | | |
| 1,1,2,2-Tetrachloroethane | , , | 925.9 | 50.0 | • | | | | | | | |
| 1,4-Dichlorobenzene 484.9 10.0 ug/L 500 ND 97.0 72-119 1,2-Dichlorobenzene 498.4 10.0 ug/L 500 ND 99.7 71-117 1,2-Dichlorobenzene 494.5 50.0 ug/L 500 ND 99.7 71-117 1,2-Dichlorobenzene 494.5 50.0 ug/L 500 ND 99.7 71-117 1,2-Dichlorobenzene 495.5 ug/L 502 96.6 80-126 8 | 1,1,2,2-Tetrachloroethane | 496.8 | 10.0 | • | 500 | | | | | | |
| 1,2-Dichlorobenzene 498.4 10.0 ug/L 500 ND 99,7 71,-117 1,2-Dibromo-3-chioropropane 494.5 50.0 ug/L 500 ND 98,9 49,-134 Surrogate: Dibromofluoromethane 485 ug/L 502 96,6 80,-126 Surrogate: 1,2-Dichlorocethane-44 491 ug/L 501 98,1 63,-138 Surrogate: 1,2-Dichlorocethane-44 491 ug/L 501 98,1 63,-138 Surrogate: 1,2-Dichlorocethane-44 491 ug/L 501 98,1 61,-142 Surrogate: 1,2-Dichlorocethane-45 497 ug/L 504 98,6 87,-116 Surrogate: 1,2-Dichlorocethane-46 497 ug/L 504 98,6 82,-121 Surrogate: 1,2-Dichlorocethane-47 497 ug/L 504 98,6 82,-121 Surrogate: 1,2-Dichlorocethane-48 497 ug/L 504 98,6 82,-121 Surrogate: 1,2-Dichlorocethane-49 502 ug/L 501 100 85,-111 Surrogate: 4-Bromofluorobenzene 502 ug/L 501 100 80,-116 Surrogate: 4-Bromofluorobenzene 502 ug/L 501 100 80,-116 Surrogate: 4-Bromofluorobenzene 283,4 10.0 ug/L 306 ND 92,5 61,-152 4,04 26 Chloromethane 289,7 10.0 ug/L 308 ND 95,8 66,-149 4,85 23 Bromomethane 206,0 10.0 ug/L 308 ND 95,8 66,-149 4,85 23 Bromomethane 292,7 10.0 ug/L 316 ND 111 69,-148 19,0 25 Chlorocethane 350,6 10.0 ug/L 316 ND 111 69,-148 19,0 25 Chlorocethane 466,9 10.0 ug/L 326 ND 89,8 62,-183 9,0 25 1,1-Dichlorocethylene 466,9 10.0 ug/L 500 ND 93,4 70,-148 3,76 22 Acetone 664,2 100 ug/L 500 ND 93,4 70,-148 3,76 22 Acetone 664,2 100 ug/L 500 ND 93,6 69,-13 40,0 22 Carbon Disulfide 874,0 10.0 ug/L 500 ND 94,6 69,-140 38,0 19 Carbon Disulfide 459,7 50.0 ug/L 500 ND 96,5 69,-140 38,0 19 Carbon Disulfide 459,7 50.0 ug/L 500 ND 96,5 68,-141 13,0 24 Carbon Disulfide 985,5 50.0 ug/L 500 ND 96,5 68,-141 13,0 24 Carbon Disulfide 985,5 50.0 ug/L 500 ND 96,5 68,-141 13,0 24 Carbon Disulfide 985,5 50.0 ug/L 500 ND 96,5 68,-143 3,0 22 Carbon Disulfide 459,7 10.0 ug/L 500 ND 96,5 68,-141 13,0 24 Carbon Disulfide 985,5 50.0 ug/L 500 ND 96,5 68,-141 13,0 24 Carbon Disulfide 985,5 50.0 ug/L 500 ND 96,5 68,-141 13,0 24 Carbon Disulfide 987,7 10.0 ug/L 500 ND 96,5 68,-141 13,0 24 Carbon Disulfide | | 484.9 | | • | | | | | | | |
| 1,2-Dibromo-3-chloropropane | , | 498.4 | | • | | | | | | | |
| Surrogate: Dibromofluoromethane | <i>'</i> | | | _ | | | | | | | |
| Surrogate: Dibromofiluoromethane | | | | ~g/ - | | 140 | | 70-104 | | | |
| Surrogate: 1.2-Dichloroethane-d4 | Surrogate: Dibromofluoromethane | 485 | | ug/L | 502 | | 96.6 | 80-126 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | Surrogate: Dibromofluoromethane | 485 | | ug/L | 502 | | 96.6 | 75-136 | | | |
| Surrogate: Toluene-d8 | = | 491 | | - | | | | | | | |
| Surrogate: Toluene-d8 | | | | - | | | | | | | |
| Surrogate: 4-Bromofluorobenzene 502 ug/L 501 100 85-111 Surrogate: 4-Bromofluorobenzene 502 ug/L 501 100 80-116 Surrogate: 4-Bromofluorobenzene 502 Surrogate: 4-Bromofluorobenzene 502 Ug/L 500 ND 92.5 61-152 4.04 26 Surrogate: 4-Bromofluorobenzene 289.7 10.0 ug/L 302 ND 95.8 66-149 4.85 23 Surrogate: 4-Bromofluorobenzene 206.0 10.0 ug/L 288 ND 71.5 43-171 0.731 29 Surrogate: 4-Bromofluorobenzene 206.0 10.0 ug/L 316 ND 111 69-148 1.90 25 Surrogate: 4-Bromofluorobenzene 292.7 10.0 ug/L 326 ND 89.8 62-163 9.00 25 Surrogate: 4-Bromofluorobenzene 466.9 10.0 ug/L 500 ND 93.4 70-148 3.76 22 Surrogate: 4-Bromofluorobenzene 466.2 100 ug/L 500 ND 93.4 70-148 3.76 22 Surrogate: 4-Bromofluorobenzene 459.7 50.0 ug/L 1010 ND 86.5 71-163 3.10 22 Surrogate: 4-Bromofluorobenzene 459.7 50.0 ug/L 500 ND 91.9 69-140 3.80 19 Surrogate: 4-Bromofluorobenzene 450.0 10.0 ug/L 500 ND 94.6 69-144 4.22 22 1,1-Dichlorobenzene 462.0 10.0 ug/L 500 ND 94.6 69-144 4.22 22 1,1-Dichlorobenzene 451.2 10.0 ug/L 500 ND 96.7 58-142 13.0 24 Surrogate: 4-Bromofluorobenzene 451.2 10.0 ug/L 500 ND 96.7 58-142 13.0 24 Surrogate: 4-Bromofluorobenzene 470.8 10.0 ug/L 500 ND 96.7 58-142 3.00 23 QR-02 | = | | | - | | | | | | | |
| Surrogate: 4-Bromofluorobenzene 502 ug/L 501 100 80-116 Matrix Spike Dup (1HD1274-MSD1) Source: 1HD1510-05 Prepared: 04/19/24 00:00 Analyzed: 04/19/24 10:04 80-116 Chloromethane 283.4 10.0 ug/L 306 ND 92.5 61-152 4.04 26 Vinyl Chloride 289.7 10.0 ug/L 302 ND 95.8 66-149 4.85 23 Bromomethane 206.0 10.0 ug/L 288 ND 71.5 43-171 0.731 29 Chloroethane 350.6 10.0 ug/L 316 ND 111 69-148 1.90 25 Trichlorofluoromethane 292.7 10.0 ug/L 326 ND 89.8 62-163 9.00 25 1,1-Dichloroethylene 466.9 10.0 ug/L 500 ND 93.4 70-148 3.76 22 Acetone 664.2 100 ug/L 1020 ND 65.1 45-17 | <u> </u> | | | - | | | | | | | |
| Matrix Spike Dup (1HD1274-MSD1) Source: 1HD1510-05 Prepared: 04/19/24 00:00 Analyzed: 04/19/24 16:04 Chloromethane 283.4 10.0 ug/L 306 ND 92.5 61-152 4.04 26 Vinyl Chloride 289.7 10.0 ug/L 302 ND 95.8 66-149 4.85 23 Bromomethane 206.0 10.0 ug/L 288 ND 71.5 43-171 0.731 29 Chloroethane 350.6 10.0 ug/L 316 ND 111 69-148 1.90 25 Trichlorofluoromethane 292.7 10.0 ug/L 326 ND 89.8 62-163 9.00 25 Trichloroethylene 466.9 10.0 ug/L 500 ND 93.4 70-148 3.76 22 Acetone 664.2 100 ug/L 1020 ND 65.1 45-173 30.6 30 QR-02 Methyl lodide 1034 10.0 ug/L 1010 N | <u> </u> | | | ū | | | | | | | |
| Chloromethane 283.4 10.0 ug/L 306 ND 92.5 61-152 4.04 26 Vinyl Chloride 289.7 10.0 ug/L 302 ND 95.8 66-149 4.85 23 Bromomethane 206.0 10.0 ug/L 288 ND 71.5 43-171 0.731 29 Chloroethane 350.6 10.0 ug/L 316 ND 111 69-148 1.90 25 Trichlorofluoromethane 292.7 10.0 ug/L 326 ND 89.8 62-163 9.00 25 1,1-Dichloroethylene 466.9 10.0 ug/L 500 ND 93.4 70-148 3.76 22 Acetone 664.2 100 ug/L 1020 ND 65.1 45-173 30.6 30 QR-02 Methyl lodide 1034 10.0 ug/L 997 ND 104 62-167 1.79 24 Carbon Disulfide 874.0 10.0 ug/L 500 ND 91.9 69-140 3.80 19 Acrylonitrile 820.0 50.0 ug/L 500 ND 91.9 69-140 3.80 19 Acrylonitrile 820.0 50.0 ug/L 500 ND 94.6 69-144 4.22 22 Trichloroethylene 462.0 10.0 ug/L 500 ND 94.6 69-144 4.22 22 Vinyl Acetate 985.5 50.0 ug/L 1020 ND 96.7 58-142 13.0 24 Cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 Plutanone (MEK) 718.4 100 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 Plutanone (MEK) 718.4 100 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1.1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 63-133 4.24 18 | _ | | 41104540.05 | - | | O Analyzad | | | | | |
| Vinyl Chloride 289.7 10.0 ug/L 302 ND 95.8 66-149 4.85 23 Bromomethane 206.0 10.0 ug/L 288 ND 71.5 43-171 0.731 29 Chloroethane 350.6 10.0 ug/L 316 ND 111 69-148 1.90 25 Trichlorofluoromethane 292.7 10.0 ug/L 326 ND 89.8 62-163 9.00 25 1,1-Dichloroethylene 466.9 10.0 ug/L 500 ND 93.4 70-148 3.76 22 Acotone 664.2 100 ug/L 1020 ND 65.1 45-173 30.6 30 QR-02 Methyl lodide 1034 10.0 ug/L 1010 ND 86.5 71-163 3.10 22 Methylloene Chloride 459.7 50.0 ug/L 1010 ND 81.7 58-151 14.6 15 Acrylonitrile </td <td> ,</td> <td></td> <td></td> <td><u> </u></td> <td></td> <td>-</td> <td></td> <td></td> <td>4.04</td> <td>26</td> <td></td> | , | | | <u> </u> | | - | | | 4.04 | 26 | |
| Bromomethane 206.0 10.0 ug/L 288 ND 71.5 43-171 0.731 29 Chloroethane 350.6 10.0 ug/L 316 ND 111 69-148 1.90 25 Trichlorofluoromethane 292.7 10.0 ug/L 326 ND 89.8 62-163 9.00 25 1,1-Dichloroethylene 466.9 10.0 ug/L 500 ND 93.4 70-148 3.76 22 Acetone 664.2 100 ug/L 1020 ND 65.1 45-173 30.6 30 QR-02 QR- | | | | • | | | | | | | |
| Chloroethane 350.6 10.0 ug/L 316 ND 111 69-148 1.90 25 Trichlorofluoromethane 292.7 10.0 ug/L 326 ND 89.8 62-163 9.00 25 1,1-Dichloroethylene 466.9 10.0 ug/L 500 ND 93.4 70-148 3.76 22 Acetone 664.2 100 ug/L 1020 ND 65.1 45-173 30.6 30 QR-02 Methyl lodide 1034 10.0 ug/L 997 ND 104 62-167 1.79 24 Carbon Disulfide 874.0 10.0 ug/L 1010 ND 86.5 71-163 3.10 22 Methylene Chloride 459.7 50.0 ug/L 500 ND 91.9 69-140 3.80 19 Acrylonitrile 820.0 50.0 ug/L 1000 ND 81.7 58-151 14.6 15 trans-1,2-Dichloroethylene 472.9 10.0 ug/L 500 ND 94.6 69-144 4.22 22 1,1-Dichloroethane 462.0 10.0 ug/L 500 ND 92.4 70-138 4.49 20 Vinyl Acetate 985.5 50.0 ug/L 1020 ND 96.7 58-142 13.0 24 cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 2-Butanone (MEK) 718.4 100 ug/L 500 ND 90.2 68-151 3.0 23 QR-02 Chloroform 452.7 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 | • | | | • | | | | | | | |
| Trichlorofluoromethane 292.7 10.0 ug/L 326 ND 89.8 62-163 9.00 25 1,1-Dichloroethylene 466.9 10.0 ug/L 500 ND 93.4 70-148 3.76 22 Acetone 664.2 100 ug/L 1020 ND 65.1 45-173 30.6 30 QR-02 Methyl lodide 1034 10.0 ug/L 997 ND 104 62-167 1.79 24 Carbon Disulfide 874.0 10.0 ug/L 500 ND 86.5 71-163 3.10 22 Methylene Chloride 459.7 50.0 ug/L 500 ND 91.9 69-140 3.80 19 Acrylonitrile 820.0 50.0 ug/L 1000 ND 81.7 58-151 14.6 15 trans-1,2-Dichloroethylene 472.9 10.0 ug/L 500 ND 94.6 69-144 4.22 22 1,1-Dichloroethane 462.0 10.0 ug/L 500 ND 94.6 69-144 4.22 22 1,1-Dichloroethylene 985.5 50.0 ug/L 1020 ND 96.7 58-142 13.0 24 cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 2-Butanone (MEK) 718.4 100 ug/L 500 ND 95.0 65-143 3.40 22 Chloroform 452.7 10.0 ug/L 500 ND 95.0 65-143 3.40 22 Chloroform 452.7 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 98.2 63-133 4.93 23 Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 99.3 69-133 4.24 18 | | | | • | | | | | | | |
| 1,1-Dichloroethylene | | | | • | | | | | | | |
| Acetone 664.2 100 ug/L 1020 ND 65.1 45-173 30.6 30 QR-02 Methyl lodide 1034 10.0 ug/L 997 ND 104 62-167 1.79 24 Carbon Disulfide 874.0 10.0 ug/L 1010 ND 86.5 71-163 3.10 22 Methylene Chloride 459.7 50.0 ug/L 500 ND 91.9 69-140 3.80 19 Acrylonitrile 820.0 50.0 ug/L 1000 ND 81.7 58-151 14.6 15 trans-1,2-Dichloroethylene 472.9 10.0 ug/L 500 ND 94.6 69-144 4.22 22 1,1-Dichloroethane 462.0 10.0 ug/L 500 ND 96.7 58-142 13.0 24 cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.7 58-142 13.0 24 c | | | | • | | | | | | | |
| Methyl lodide 1034 10.0 ug/L 997 ND 104 62-167 1.79 24 Carbon Disulfide 874.0 10.0 ug/L 1010 ND 86.5 71-163 3.10 22 Methylene Chloride 459.7 50.0 ug/L 500 ND 91.9 69-140 3.80 19 Acrylonitrile 820.0 50.0 ug/L 1000 ND 81.7 58-151 14.6 15 trans-1,2-Dichloroethylene 472.9 10.0 ug/L 500 ND 94.6 69-144 4.22 22 1,1-Dichloroethylene 462.0 10.0 ug/L 500 ND 92.4 70-138 4.49 20 Vinyl Acetate 985.5 50.0 ug/L 1020 ND 96.7 58-142 13.0 24 cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 | · · | | | • | | | | | | | 00.00 |
| Carbon Disulfide 874.0 10.0 ug/L 1010 ND 86.5 71-163 3.10 22 Methylene Chloride 459.7 50.0 ug/L 500 ND 91.9 69-140 3.80 19 Acrylonitrile 820.0 50.0 ug/L 1000 ND 81.7 58-151 14.6 15 trans-1,2-Dichloroethylene 472.9 10.0 ug/L 500 ND 94.6 69-144 4.22 22 1,1-Dichloroethane 462.0 10.0 ug/L 500 ND 92.4 70-138 4.49 20 Vinyl Acetate 985.5 50.0 ug/L 1020 ND 96.7 58-142 13.0 24 cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 2-Butanone (MEK) 718.4 100 ug/L 500 ND 95.0 65-143 3.40 22 | | | | • | | | | | | | QR-02 |
| Methylene Chloride 459.7 50.0 ug/L 500 ND 91.9 69-140 3.80 19 Acrylonitrile 820.0 50.0 ug/L 1000 ND 81.7 58-151 14.6 15 trans-1,2-Dichloroethylene 472.9 10.0 ug/L 500 ND 94.6 69-144 4.22 22 1,1-Dichloroethane 462.0 10.0 ug/L 500 ND 92.4 70-138 4.49 20 Vinyl Acetate 985.5 50.0 ug/L 1020 ND 96.7 58-142 13.0 24 cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 2-Butanone (MEK) 718.4 100 ug/L 1030 ND 69.5 50-160 39.0 23 QR-02 Bromochloromethane 474.8 10.0 ug/L 500 ND 95.0 65-143 3.40 22 </td <td>•</td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | • | | | • | | | | | | | |
| Acrylonitrile 820.0 50.0 ug/L 1000 ND 81.7 58-151 14.6 15 trans-1,2-Dichloroethylene 472.9 10.0 ug/L 500 ND 94.6 69-144 4.22 22 1,1-Dichloroethane 462.0 10.0 ug/L 500 ND 92.4 70-138 4.49 20 Vinyl Acetate 985.5 50.0 ug/L 1020 ND 96.7 58-142 13.0 24 cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 2-Butanone (MEK) 718.4 100 ug/L 1030 ND 69.5 50-160 39.0 23 QR-02 Bromochloromethane 474.8 10.0 ug/L 500 ND 95.0 65-143 3.40 22 Chloroform 452.7 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1,1-Trichloroethane 440.9 10.0 ug/L 500 ND | | | | _ | | | | | | | |
| trans-1,2-Dichloroethylene 472.9 10.0 ug/L 500 ND 94.6 69-144 4.22 22 1,1-Dichloroethane 462.0 10.0 ug/L 500 ND 92.4 70-138 4.49 20 Vinyl Acetate 985.5 50.0 ug/L 1020 ND 96.7 58-142 13.0 24 cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 2-Butanone (MEK) 718.4 100 ug/L 1030 ND 69.5 50-160 39.0 23 QR-02 Bromochloromethane 474.8 10.0 ug/L 500 ND 95.0 65-143 3.40 22 Chloroform 452.7 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 88.2 63-133 4.93 23 Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 | · | | | | | | | | | | |
| 1,1-Dichloroethane 462.0 10.0 ug/L 500 ND 92.4 70-138 4.49 20 Vinyl Acetate 985.5 50.0 ug/L 1020 ND 96.7 58-142 13.0 24 cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 2-Butanone (MEK) 718.4 100 ug/L 1030 ND 69.5 50-160 39.0 23 QR-02 Bromochloromethane 474.8 10.0 ug/L 500 ND 95.0 65-143 3.40 22 Chloroform 452.7 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 88.2 63-133 4.93 23 Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 93.3 <td></td> | | | | | | | | | | | |
| Vinyl Acetate 985.5 50.0 ug/L 1020 ND 96.7 58-142 13.0 24 cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 2-Butanone (MEK) 718.4 100 ug/L 1030 ND 69.5 50-160 39.0 23 QR-02 Bromochloromethane 474.8 10.0 ug/L 500 ND 95.0 65-143 3.40 22 Chloroform 452.7 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 88.2 63-133 4.93 23 Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 <td>•</td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | • | | | _ | | | | | | | |
| cis-1,2-Dichloroethylene 451.2 10.0 ug/L 500 ND 90.2 68-151 22.7 22 QR-02 2-Butanone (MEK) 718.4 100 ug/L 1030 ND 69.5 50-160 39.0 23 QR-02 Bromochloromethane 474.8 10.0 ug/L 500 ND 95.0 65-143 3.40 22 Chloroform 452.7 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 88.2 63-133 4.93 23 Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 | · | | | _ | | | | 70-138 | 4.49 | 20 | |
| 2-Butanone (MEK) 718.4 100 ug/L 1030 ND 69.5 50-160 39.0 23 QR-02 Bromochloromethane 474.8 10.0 ug/L 500 ND 95.0 65-143 3.40 22 Chloroform 452.7 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 88.2 63-133 4.93 23 Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 | · | | 50.0 | _ | | ND | 96.7 | | 13.0 | | |
| Bromochloromethane 474.8 10.0 ug/L 500 ND 95.0 65-143 3.40 22 Chloroform 452.7 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 88.2 63-133 4.93 23 Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 | cis-1,2-Dichloroethylene | | | ug/L | 500 | ND | | 68-151 | 22.7 | 22 | QR-02 |
| Chloroform 452.7 10.0 ug/L 500 ND 90.5 71-143 3.66 21 1,1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 88.2 63-133 4.93 23 Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 | 2-Butanone (MEK) | | 100 | ug/L | 1030 | ND | 69.5 | 50-160 | 39.0 | 23 | QR-02 |
| 1,1,1-Trichloroethane 440.9 10.0 ug/L 500 ND 88.2 63-133 4.93 23 Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 | Bromochloromethane | | 10.0 | ug/L | 500 | ND | 95.0 | 65-143 | 3.40 | 22 | |
| Carbon Tetrachloride 470.7 10.0 ug/L 500 ND 94.1 63-142 3.87 22 Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 | Chloroform | | 10.0 | ug/L | 500 | ND | 90.5 | 71-143 | 3.66 | 21 | |
| Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 | 1,1,1-Trichloroethane | 440.9 | 10.0 | ug/L | 500 | ND | 88.2 | 63-133 | 4.93 | 23 | |
| Benzene 466.4 10.0 ug/L 500 ND 93.3 69-133 4.24 18 | Carbon Tetrachloride | 470.7 | 10.0 | ug/L | 500 | ND | 94.1 | 63-142 | 3.87 | 22 | |
| | Benzene | 466.4 | 10.0 | ug/L | 500 | ND | 93.3 | 69-133 | 4.24 | 18 | |
| 1,2-Dichloroethane 451.7 10.0 ug/L 500 ND 90.3 63-138 6.20 20 | 1,2-Dichloroethane | 451.7 | 10.0 | ug/L | 500 | ND | 90.3 | 63-138 | 6.20 | | |
| Trichloroethylene 461.7 10.0 ug/L 500 ND 92.3 71-133 4.45 23 | Trichloroethylene | 461.7 | 10.0 | ug/L | 500 | ND | 92.3 | 71-133 | 4.45 | | |



1HD1511

Spike Source

%REC

RPD

| | | | | Spike | Source | | /0KEC | | KFD | Mata |
|---|---------|------------|--------------|--------------|--------------|------------|--------|-------|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1274 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike Dup (1HD1274-MSD1) | Source: | 1HD1510-05 | Prepared: 04 | 4/19/24 00:0 | 00 Analyzed: | 04/19/24 1 | 6:04 | | | |
| 1,2-Dichloropropane | 472.4 | 10.0 | ug/L | 500 | ND | 94.5 | 69-132 | 3.76 | 20 | |
| Dibromomethane | 482.9 | 10.0 | ug/L | 500 | ND | 96.6 | 70-147 | 3.06 | 22 | |
| Bromodichloromethane | 463.7 | 10.0 | ug/L | 500 | ND | 92.7 | 67-130 | 3.41 | 21 | |
| cis-1,3-Dichloropropene | 469.0 | 10.0 | ug/L | 500 | ND | 93.8 | 61-126 | 3.13 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 982.4 | 50.0 | ug/L | 1010 | ND | 96.9 | 55-147 | 7.01 | 23 | |
| Toluene | 449.5 | 10.0 | ug/L | 500 | ND | 89.9 | 71-133 | 4.50 | 19 | |
| trans-1,3-Dichloropropene | 482.4 | 10.0 | ug/L | 500 | ND | 96.5 | 63-124 | 3.18 | 21 | |
| 1,1,2-Trichloroethane | 473.4 | 10.0 | ug/L | 500 | ND | 94.7 | 69-133 | 3.49 | 19 | |
| Tetrachloroethylene | 469.6 | 10.0 | ug/L | 500 | ND | 93.9 | 70-124 | 3.16 | 24 | |
| 2-Hexanone (MBK) | 1048 | 50.0 | ug/L | 1030 | ND | 102 | | 5.15 | | |
| Dibromochloromethane | 486.3 | 10.0 | ug/L ug/L | 500 | | | 53-141 | | 24 | |
| 1,2-Dibromoethane | 486.8 | 10.0 | • | | ND | 97.3 | 74-122 | 1.91 | 21 | |
| • | 468.1 | | ug/L | 500 | ND | 97.4 | 66-127 | 2.03 | 23 | |
| Chlorobenzene | | 10.0 | ug/L | 500 | ND | 93.6 | 76-116 | 3.11 | 21 | |
| 1,1,1,2-Tetrachloroethane | 485.3 | 10.0 | ug/L | 500 | ND | 97.1 | 77-121 | 1.33 | 25 | |
| Ethylbenzene | 486.2 | 10.0 | ug/L | 500 | ND | 97.2 | 73-124 | 3.44 | 20 | |
| Xylenes, total | 1478 | 20.0 | ug/L | 1500 | ND | 98.6 | 75-123 | 3.16 | 20 | |
| Styrene | 504.8 | 10.0 | ug/L | 500 | ND | 101 | 70-120 | 2.39 | 23 | |
| Bromoform | 470.1 | 10.0 | ug/L | 500 | ND | 94.0 | 70-124 | 0.573 | 22 | |
| 1,2,3-Trichloropropane | 484.1 | 10.0 | ug/L | 500 | ND | 96.8 | 62-135 | 1.33 | 28 | |
| trans-1,4-Dichloro-2-butene | 906.4 | 50.0 | ug/L | 1040 | ND | 87.2 | 50-120 | 2.13 | 26 | |
| 1,1,2,2-Tetrachloroethane | 488.9 | 10.0 | ug/L | 500 | ND | 97.8 | 63-126 | 1.60 | 24 | |
| 1,4-Dichlorobenzene | 464.3 | 10.0 | ug/L | 500 | ND | 92.9 | 72-119 | 4.34 | 24 | |
| 1,2-Dichlorobenzene | 482.0 | 10.0 | ug/L | 500 | ND | 96.4 | 71-117 | 3.35 | 24 | |
| 1,2-Dibromo-3-chloropropane | 481.2 | 50.0 | ug/L | 500 | ND | 96.2 | 49-134 | 2.73 | 28 | |
| Surrogate: Dibromofluoromethane | 485 | | ug/L | 502 | | 96.7 | 80-126 | | | |
| Surrogate: Dibromofluoromethane | 485 | | ug/L | 502 | | 96.7 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 481 | | ug/L | 501 | | 96.1 | 63-138 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 481 | | ug/L | 501 | | 96.1 | 61-142 | | | |
| Surrogate: Toluene-d8 | 496 | | ug/L | 504 | | 98.4 | 87-116 | | | |
| Surrogate: Toluene-d8 | 496 | | ug/L | 504 | | 98.4 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 501 | | ug/L | 501 | | 99.8 | 85-111 | | | |
| Surrogate: 4-Bromofluorobenzene | 501 | | ug/L | 501 | | 99.8 | 80-116 | | | |
| Batch 1HD1408 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Blank (1HD1408-BLK1) | | | Prepared: 04 | 4/23/24 00:0 | 00 Analyzed: | 04/23/24 1 | 0:46 | | | |
| 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 | | | | | | | |
| | <1.0 | | _ | | | | | | | |
| 1,1-Dichloroethylene | <10.0 | 1.0 | ug/L | | | | | | | |

Microbac Laboratories, Inc., Newton

ug/L

ug/L

10.0

1.0

<10.0

<1.0

Acetone

Methyl Iodide



CERTIFICATE OF ANALYSIS

1HD1511

Units

RL

Determination of Volatile

Result

Spike Source

Result %REC

Level

%REC

Limits

RPD

Limit

RPD

Notes

| Organic Compounds | Result | KL | Units | Levei | Result | %REC | Limits | KPD | Limit | |
|----------------------------------|---------|------|--------------|--------------|-------------|------------|--------|-----|-------|--|
| Batch 1HD1408 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| Blank (1HD1408-BLK1) | | | Prepared: 04 | 4/23/24 00:0 | 0 Analyzed: | 04/23/24 1 | 0:46 | | | |
| 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 ug/L | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Toluene | <1.0 | 1.0 | ug/L | | | | | | | |
| | <1.0 | 1.0 | | | | | | | | |
| trans-1,3-Dichloropropene | <1.0 | | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Tetrachloroethylene | < 5.0 | 1.0 | ug/L | | | | | | | |
| 2-Hexanone (MBK) | | 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 | 50.8 | | ug/L | 50.2 | | 101 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.8 | | ug/L | 50.1 | | 103 | 61-142 | | | |
| Surrogate: Toluene-d8 | 49.7 | | ug/L | 50.4 | | 98.7 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 48.6 | | ug/L | 50.1 | | 96.9 | 80-116 | | | |



CERTIFICATE OF ANALYSIS

| Determination of Volatile | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|---------|------|--------------|----------------|------------------|------------|----------------|-----|--------------|-------|
| Organic Compounds | | | | | | | | | | |
| Batch 1HD1408 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| LCS (1HD1408-BS1) | | | Prepared: 04 | /23/24 00:0 | 0 Analyzed: | 04/23/24 0 | 9:38 | | | |
| Chloromethane | 35.96 | 1.0 | ug/L | 30.6 | | 117 | 63-155 | | | |
| Vinyl Chloride | 35.51 | 1.0 | ug/L | 30.2 | | 117 | 70-154 | | | |
| Bromomethane | 30.25 | 1.0 | ug/L | 28.8 | | 105 | 52-176 | | | |
| Chloroethane | 38.95 | 1.0 | ug/L | 31.6 | | 123 | 72-148 | | | |
| Trichlorofluoromethane | 35.99 | 1.0 | ug/L | 32.6 | | 110 | 70-152 | | | |
| 1,1-Dichloroethylene | 54.20 | 1.0 | ug/L | 50.0 | | 108 | 70-148 | | | |
| Acetone | 83.64 | 10.0 | ug/L | 101 | | 82.6 | 43-172 | | | |
| Methyl Iodide | 100.8 | 1.0 | ug/L | 102 | | 98.9 | 69-170 | | | |
| Carbon Disulfide | 121.4 | 1.0 | ug/L | 103 | | 118 | 72-162 | | | |
| Methylene Chloride | 51.84 | 5.0 | ug/L | 50.0 | | 104 | 68-142 | | | |
| trans-1,2-Dichloroethylene | 53.70 | 1.0 | ug/L | 50.0 | | 107 | 66-148 | | | |
| 1,1-Dichloroethane | 51.84 | 1.0 | ug/L | 50.0 | | 104 | 66-143 | | | |
| Vinyl Acetate | 97.50 | 5.0 | ug/L | 100 | | 97.5 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 50.21 | 1.0 | ug/L | 50.0 | | 100 | 71-149 | | | |
| 2-Butanone (MEK) | 91.25 | 10.0 | ug/L | 102 | | 89.6 | 52-159 | | | |
| Bromochloromethane | 52.63 | 1.0 | ug/L | 50.0 | | 105 | 69-143 | | | |
| Chloroform | 50.51 | 1.0 | ug/L | 50.0 | | 101 | 69-144 | | | |
| 1,1,1-Trichloroethane | 49.46 | 1.0 | ug/L | 50.0 | | 98.9 | 62-129 | | | |
| Carbon Tetrachloride | 52.74 | 1.0 | ug/L | 50.0 | | 105 | 63-141 | | | |
| Benzene | 50.94 | 1.0 | ug/L | 50.0 | | 102 | 71-134 | | | |
| 1,2-Dichloroethane | 48.82 | 1.0 | ug/L | 50.0 | | 97.6 | 72-132 | | | |
| Trichloroethylene | 50.80 | 1.0 | ug/L | 50.0 | | 102 | 71-135 | | | |
| 1,2-Dichloropropane | 50.57 | 1.0 | ug/L | 50.0 | | 101 | 69-136 | | | |
| Dibromomethane | 51.42 | 1.0 | ug/L | 50.0 | | 103 | 73-147 | | | |
| Bromodichloromethane | 49.96 | 1.0 | ug/L | 50.0 | | 99.9 | 68-129 | | | |
| cis-1,3-Dichloropropene | 49.40 | 1.0 | ug/L | 50.0 | | 98.8 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 101.2 | 5.0 | ug/L | 100 | | 101 | 58-147 | | | |
| Toluene | 48.89 | 1.0 | ug/L | 50.0 | | 97.8 | 72-133 | | | |
| trans-1,3-Dichloropropene | 50.85 | 1.0 | ug/L | 50.0 | | 102 | 67-130 | | | |
| 1,1,2-Trichloroethane | 50.24 | 1.0 | ug/L | 50.0 | | 100 | 69-135 | | | |
| Tetrachloroethylene | 50.30 | 1.0 | ug/L | 50.0 | | 101 | 69-130 | | | |
| 2-Hexanone (MBK) | 104.0 | 5.0 | ug/L | 99.3 | | 105 | 55-144 | | | |
| Dibromochloromethane | 51.03 | 1.0 | ug/L | 50.0 | | 102 | 73-127 | | | |
| 1,2-Dibromoethane | 50.10 | 1.0 | ug/L | 50.0 | | 100 | 67-132 | | | |
| Chlorobenzene | 50.14 | 1.0 | ug/L | 50.0 | | 100 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 51.71 | 1.0 | ug/L | 50.0 | | 103 | 73-127 | | | |
| Ethylbenzene | 51.98 | 1.0 | ug/L | 50.0 | | 104 | 71-127 | | | |
| Xylenes, total | 157.3 | 2.0 | ug/L | 150 | | 105 | 74-127 | | | |
| Styrene | 53.55 | 1.0 | ug/L | 50.0 | | 107 | 66-126 | | | |
| Bromoform | 48.10 | 1.0 | ug/L | 50.0 | | 96.2 | 68-130 | | | |
| 1,2,3-Trichloropropane | 49.51 | 1.0 | ug/L | 50.0 | | 99.0 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 91.95 | 5.0 | ug/L | 103 | | 89.4 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 48.77 | 1.0 | ug/L ug/L | 50.0 | | 97.5 | 61-131 | | | |



| | | | | Spike | Source | | %REC | | RPD | Natas |
|---|---------|------|--------------|--------------|-------------|-------------|--------|--------------|----------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1408 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| LCS (1HD1408-BS1) | | | Prepared: 04 | 4/23/24 00:0 | 0 Analyzed: | 04/23/24 0 | 9:38 | | | |
| 1,4-Dichlorobenzene | 49.35 | 1.0 | ug/L | 50.0 | | 98.7 | 70-129 | | | |
| 1,2-Dichlorobenzene | 50.94 | 1.0 | ug/L | 50.0 | | 102 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 46.92 | 5.0 | ug/L | 50.0 | | 93.8 | 50-143 | | | |
| Surrogate: Dibromofluoromethane | 50.9 | | ug/L | 50.2 | | 102 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.6 | | ug/L | 50.1 | | 101 | 61-142 | | | |
| Surrogate: Toluene-d8 | 50.3 | | ug/L | 50.4 | | 99.8 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.4 | | ug/L | 50.1 | | 101 | 80-116 | | | |
| LCS Dup (1HD1408-BSD1) | | | Prepared: 04 | 4/23/24 00:0 | 0 Analyzed: | 04/23/24 1 | 0:01 | | | |
| Chloromethane | 34.15 | 1.0 | ug/L | 30.6 | | 111 | 63-155 | 5.16 | 24 | |
| Vinyl Chloride | 33.22 | 1.0 | ug/L | 30.2 | | 110 | 70-154 | 6.66 | 25 | |
| Bromomethane | 30.50 | 1.0 | ug/L | 28.8 | | 106 | 52-176 | 0.823 | 27 | |
| Chloroethane | 37.41 | 1.0 | ug/L | 31.6 | | 118 | 72-148 | 4.03 | 25 | |
| Trichlorofluoromethane | 33.93 | 1.0 | ug/L | 32.6 | | 104 | 70-152 | 5.89 | 26 | |
| 1,1-Dichloroethylene | 51.03 | 1.0 | ug/L | 50.0 | | 102 | 70-148 | 6.02 | 24 | |
| Acetone | 73.24 | 10.0 | ug/L | 101 | | 72.4 | 43-172 | 13.3 | 30 | |
| Methyl Iodide | 98.09 | 1.0 | ug/L | 102 | | 96.3 | 69-170 | 2.68 | 30 | |
| Carbon Disulfide | 114.3 | 1.0 | ug/L | 103 | | 111 | 72-162 | 5.97 | 24 | |
| Methylene Chloride | 50.42 | 5.0 | ug/L | 50.0 | | 101 | 68-142 | 2.78 | 21 | |
| trans-1,2-Dichloroethylene | 50.79 | 1.0 | ug/L | 50.0 | | 102 | 66-148 | 5.57 | 27 | |
| 1,1-Dichloroethane | 48.98 | 1.0 | ug/L | 50.0 | | 98.0 | 66-143 | 5.67 | 24 | |
| Vinyl Acetate | 94.18 | 5.0 | ug/L | 100 | | 94.2 | 43-153 | 3.46 | 30 | |
| cis-1,2-Dichloroethylene | 47.83 | 1.0 | ug/L | 50.0 | | 95.7 | 71-149 | 4.86 | 26 | |
| 2-Butanone (MEK) | 79.76 | 10.0 | ug/L | 102 | | 78.3 | 52-159 | 13.4 | 27 | |
| Bromochloromethane | 51.02 | 1.0 | ug/L | 50.0 | | 102 | 69-143 | 3.11 | 23 | |
| Chloroform | 48.30 | 1.0 | ug/L | 50.0 | | 96.6 | 69-144 | 4.47 | 23 | |
| 1,1,1-Trichloroethane | 46.64 | 1.0 | ug/L | 50.0 | | 93.3 | 62-129 | 5.87 | 24 | |
| Carbon Tetrachloride | 49.78 | 1.0 | ug/L | 50.0 | | 99.6 | 63-141 | 5.77 | 25 | |
| Benzene | 48.87 | 1.0 | ug/L | 50.0 | | 97.7 | 71-134 | 4.15 | 24 | |
| 1,2-Dichloroethane | 47.62 | 1.0 | ug/L | 50.0 | | 95.2 | 72-132 | 2.49 | 24 | |
| Trichloroethylene | 49.00 | 1.0 | ug/L | 50.0 | | 98.0 | 71-135 | 3.61 | 24 | |
| 1,2-Dichloropropane | 49.30 | 1.0 | ug/L | 50.0 | | 98.6 | 69-136 | 2.54 | 24 | |
| Dibromomethane | 50.60 | 1.0 | ug/L | 50.0 | | 101 | 73-147 | 1.61 | 25 | |
| Bromodichloromethane | 48.54 | 1.0 | ug/L | 50.0 | | 97.1 | 68-129 | 2.88 | 22 | |
| cis-1,3-Dichloropropene | 48.22 | 1.0 | ug/L | 50.0 | | 96.4 | 65-134 | 2.42 | 23 | |
| 4-Methyl-2-pentanone (MIBK) | 98.38 | 5.0 | ug/L | 100 | | 98.3 | 58-147 | 2.88 | 27 | |
| Toluene | 47.13 | 1.0 | ug/L | 50.0 | | 94.3 | 72-133 | 3.67 | 24 | |
| trans-1,3-Dichloropropene | 49.94 | 1.0 | ug/L | 50.0 | | 99.9 | 67-130 | 1.81 | 24 | |
| 1,1,2-Trichloroethane | 49.57 | 1.0 | ug/L | 50.0 | | 99.1 | 69-135 | 1.34 | 23 | |
| Tetrachloroethylene | 48.32 | 1.0 | ug/L | 50.0 | | 96.6 | 69-130 | 4.02 | 25 25 | |
| 2-Hexanone (MBK) | 100.7 | 5.0 | ug/L ug/L | 99.3 | | 90.0 101 | 55-144 | 4.02 3.17 | | |
| Dibromochloromethane | 50.39 | 1.0 | ug/L ug/L | 99.3 50.0 | | 101 | | | 25 | |
| | 49.13 | | _ | | | | 73-127 | 1.26 | 22 | |
| 1,2-Dibromoethane | 49.13 | 1.0 | ug/L | 50.0 | | 98.3 | 67-132 | 1.96 | 24 | |



1HD1511

| Limit | Note |
|-------|------|
| | |
| | |
| 23 | |
| 24 | |
| 26 | |
| 25 | |
| 23 | |
| 23 | |
| 24 | |
| 27 | |
| 29 | |
| 24 | |
| 26 | |
| 30 | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |



| | | ı. | וופוטו | | | | | | | |
|---|---------|------------|-------------|--------------|-------------|------------|--------|------|-------|-------|
| | | | | Spike | Source | | %REC | | RPD | |
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1408 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike (1HD1408-MS1) | Source: | 1HD1532-04 | Prepared: 0 | 4/23/24 00:0 | 0 Analyzed: | 04/23/24 1 | 9:51 | | | |
| cis-1,3-Dichloropropene | 458.1 | 10.0 | ug/L | 500 | ND | 91.6 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1065 | 50.0 | ug/L | 1000 | ND | 106 | 55-147 | | | |
| Toluene | 468.3 | 10.0 | ug/L | 500 | ND | 93.7 | 71-133 | | | |
| trans-1,3-Dichloropropene | 480.0 | 10.0 | ug/L | 500 | ND | 96.0 | 63-124 | | | |
| 1,1,2-Trichloroethane | 494.9 | 10.0 | ug/L | 500 | ND | 99.0 | 69-133 | | | |
| Tetrachloroethylene | 482.8 | 10.0 | ug/L | 500 | ND | 96.6 | 70-124 | | | |
| 2-Hexanone (MBK) | 1110 | 50.0 | ug/L | 993 | ND | 112 | 53-141 | | | |
| Dibromochloromethane | 488.7 | 10.0 | ug/L | 500 | ND | 97.7 | 74-122 | | | |
| 1,2-Dibromoethane | 506.1 | 10.0 | ug/L | 500 | ND | 101 | 66-127 | | | |
| Chlorobenzene | 487.5 | 10.0 | ug/L | 500 | ND | 97.5 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 492.3 | 10.0 | ug/L | 500 | ND | 98.5 | 77-121 | | | |
| Ethylbenzene | 501.3 | 10.0 | ug/L | 500 | ND | 100 | 73-124 | | | |
| Xylenes, total | 1511 | 20.0 | ug/L | 1500 | ND | 101 | 75-123 | | | |
| Styrene | 521.7 | 10.0 | ug/L | 500 | ND | 104 | 70-120 | | | |
| Bromoform | 468.8 | 10.0 | ug/L | 500 | ND | 93.8 | 70-124 | | | |
| 1,2,3-Trichloropropane | 503.8 | 10.0 | ug/L | 500 | ND | 101 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 896.7 | 50.0 | ug/L | 1030 | ND | 87.2 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 499.7 | 10.0 | ug/L | 500 | ND | 99.9 | 63-126 | | | |
| 1,4-Dichlorobenzene | 481.2 | 10.0 | ug/L | 500 | ND | 96.2 | 72-119 | | | |
| 1,2-Dichlorobenzene | 500.8 | 10.0 | ug/L | 500 | ND | 100 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 494.5 | 50.0 | ug/L | 500 | ND | 98.9 | 49-134 | | | |
| Surrogate: Dibromofluoromethane | 472 | | ug/L | 502 | | 94.1 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 471 | | ug/L | 501 | | 94.0 | 61-142 | | | |
| Surrogate: Toluene-d8 | 499 | | ug/L | 504 | | 99.0 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 499 | | ug/L | 501 | | 99.5 | 80-116 | | | |
| Matrix Spike Dup (1HD1408-MSD1) | Source: | 1HD1532-04 | Prepared: 0 | 4/23/24 00:0 | 0 Analyzed: | 04/23/24 2 | 0:14 | | | |
| Chloromethane | 302.2 | 10.0 | ug/L | 306 | ND | 98.6 | 61-152 | 6.13 | 26 | |
| Vinyl Chloride | 300.5 | 10.0 | ug/L | 302 | ND | 99.4 | 66-149 | 6.04 | 23 | |
| Bromomethane | 229.6 | 10.0 | ug/L | 288 | ND | 79.7 | 43-171 | 3.10 | 29 | |
| Chloroethane | 336.9 | 10.0 | ug/L | 316 | ND | 106 | 69-148 | 4.24 | 25 | |
| Trichlorofluoromethane | 314.4 | 10.0 | ug/L | 326 | ND | 96.4 | 62-163 | 3.75 | 25 | |
| 1,1-Dichloroethylene | 448.3 | 10.0 | ug/L | 500 | ND | 89.7 | 70-148 | 4.79 | 22 | |
| Acetone | 851.0 | 100 | ug/L | 1010 | ND | 84.1 | 45-173 | 2.56 | 30 | |
| Methyl lodide | 1030 | 10.0 | ug/L | 1020 | ND | 101 | 62-167 | 4.65 | 24 | |
| Carbon Disulfide | 1014 | 10.0 | ug/L | 1030 | ND | 98.7 | 71-163 | 6.31 | 22 | |
| Methylene Chloride | 447.2 | 50.0 | ug/L | 500 | ND | 89.4 | 69-140 | 3.69 | 19 | |
| trans-1,2-Dichloroethylene | 450.8 | 10.0 | ug/L | 500 | ND | 90.2 | 69-144 | 4.81 | 22 | |
| 1,1-Dichloroethane | 444.2 | 10.0 | ug/L | 500 | ND | 88.8 | 70-138 | 4.75 | 20 | |
| Vinyl Acetate | 988.4 | 50.0 | ug/L | 1000 | ND | 98.8 | 58-142 | 9.01 | 24 | |
| cis-1,2-Dichloroethylene | 520.3 | 10.0 | ug/L | 500 | ND | 104 | 68-151 | 3.97 | 22 | |
| 2-Butanone (MEK) | 963.8 | 100 | ug/L | 1020 | ND | 94.7 | 50-160 | 1.89 | 23 | |
| | | | | | | | | | | |

Microbac Laboratories, Inc., Newton

ug/L

500

ND

91.3

5.19

65-143

10.0

456.4

Bromochloromethane

22



1HD1511

Spike Source

%REC

RPD

| | | | | Spike | Source | | /0KEC | | KFD | |
|-----------------------------------|--------|------------|--------------|--------------|--------------|------------|--------|--------|-------|------|
| Determination of Volatile | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Note |
| Organic Compounds | | | | | | | | | | |
| Satch 1HD1408 - EPA 5030B - EPA 8 | 3260B | | | | | | | | | |
| latrix Spike Dup (1HD1408-MSD1) | | 1HD1532-04 | Prepared: 04 | 1/23/24 00:0 | 00 Analyzed: | 04/23/24 2 | 0:14 | | | |
| Chloroform | 435.1 | 10.0 | ug/L | 500 | ND | 87.0 | 71-143 | 3.92 | 21 | |
| 1,1,1-Trichloroethane | 423.1 | 10.0 | ug/L | 500 | ND | 84.6 | 63-133 | 3.80 | 23 | |
| Carbon Tetrachloride | 436.9 | 10.0 | ug/L | 500 | ND | 87.4 | 63-142 | 1.29 | 22 | |
| Benzene | 469.9 | 10.0 | ug/L | 500 | ND | 94.0 | 69-133 | 3.16 | 18 | |
| 1,2-Dichloroethane | 459.9 | 10.0 | ug/L | 500 | ND | 92.0 | 63-138 | 3.23 | 20 | |
| Trichloroethylene | 462.8 | 10.0 | ug/L | 500 | ND | 92.6 | 71-133 | 3.73 | 23 | |
| 1,2-Dichloropropane | 469.6 | 10.0 | ug/L | 500 | ND | 93.9 | 69-132 | 3.76 | 20 | |
| Dibromomethane | 488.3 | 10.0 | ug/L | 500 | ND | 97.7 | 70-147 | 3.10 | 22 | |
| Bromodichloromethane | 458.7 | 10.0 | ug/L | 500 | ND | 91.7 | 67-130 | 2.37 | 21 | |
| cis-1,3-Dichloropropene | 443.2 | 10.0 | ug/L | 500 | ND | 88.6 | 61-126 | 3.31 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 1047 | 50.0 | ug/L | 1000 | ND | 105 | 55-147 | 1.70 | 23 | |
| Toluene | 454.6 | 10.0 | ug/L | 500 | ND | 90.9 | 71-133 | 2.97 | 19 | |
| trans-1,3-Dichloropropene | 463.1 | 10.0 | ug/L | 500 | ND | 92.6 | 63-124 | 3.58 | 21 | |
| 1,1,2-Trichloroethane | 483.8 | 10.0 | ug/L | 500 | ND | 96.8 | 69-133 | 2.27 | 19 | |
| Tetrachloroethylene | 475.0 | 10.0 | ug/L | 500 | ND | 95.0 | 70-124 | 1.63 | 24 | |
| 2-Hexanone (MBK) | 1090 | 50.0 | ug/L | 993 | ND | 110 | 53-141 | 1.75 | 24 | |
| Dibromochloromethane | 483.7 | 10.0 | ug/L | 500 | ND | 96.7 | 74-122 | 1.03 | 21 | |
| 1,2-Dibromoethane | 493.1 | 10.0 | ug/L | 500 | ND | 98.6 | 66-127 | 2.60 | 23 | |
| Chlorobenzene | 472.5 | 10.0 | ug/L | 500 | ND | 94.5 | 76-116 | 3.12 | 21 | |
| 1,1,1,2-Tetrachloroethane | 482.4 | 10.0 | ug/L | 500 | ND | 96.5 | 77-121 | 2.03 | 25 | |
| Ethylbenzene | 489.5 | 10.0 | ug/L | 500 | ND | 97.9 | 77-121 | 2.38 | | |
| Xylenes, total | 1481 | 20.0 | ug/L | 1500 | ND | 98.7 | | | 20 | |
| Styrene | 507.0 | 10.0 | _ | | | | 75-123 | 1.99 | 20 | |
| Styrene Bromoform | 468.7 | | ug/L | 500 | ND | 101 | 70-120 | 2.86 | 23 | |
| | 501.0 | 10.0 | ug/L | 500 | ND | 93.7 | 70-124 | 0.0213 | 22 | |
| 1,2,3-Trichloropropane | 889.4 | 10.0 | ug/L | 500 | ND | 100 | 62-135 | 0.557 | 28 | |
| trans-1,4-Dichloro-2-butene | 491.2 | 50.0 | ug/L | 1030 | ND | 86.5 | 50-120 | 0.817 | 26 | |
| 1,1,2,2-Tetrachloroethane | | 10.0 | ug/L | 500 | ND | 98.2 | 63-126 | 1.72 | 24 | |
| 1,4-Dichlorobenzene | 465.2 | 10.0 | ug/L | 500 | ND | 93.0 | 72-119 | 3.38 | 24 | |
| 1,2-Dichlorobenzene | 484.4 | 10.0 | ug/L | 500 | ND | 96.9 | 71-117 | 3.33 | 24 | |
| 1,2-Dibromo-3-chloropropane | 483.8 | 50.0 | ug/L | 500 | ND | 96.8 | 49-134 | 2.19 | 28 | |
| Surrogate: Dibromofluoromethane | 469 | | ug/L | 502 | | 93.5 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 464 | | ug/L | 501 | | 92.7 | 61-142 | | | |
| Surrogate: Toluene-d8 | 497 | | ug/L | 504 | | 98.7 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 499 | | ug/L | 501 | | 99.5 | 80-116 | | | |
| Batch 1HD1572 - EPA 5030B - EPA 8 | 3260B | | | | | | | | | |
| Blank (1HD1572-BLK1) | | | Prepared: 04 | 4/25/24 00:0 | 00 Analyzed: | 04/25/24 1 | 0:53 | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |



CERTIFICATE OF ANALYSIS

1HD1511

| Determination of Volatile | Poor!4 | DI | l leite | Spike | Source | 0/ DEC | %REC | DDD | RPD Limit | Notes |
|---|---------|------|--------------|--------------|-------------|------------|--------|-----|--------------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | |
| Batch 1HD1572 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| Blank (1HD1572-BLK1) | | | Prepared: 04 | 1/25/24 00:0 | 0 Analyzed: | 04/25/24 1 | 0:53 | | | |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Acetone | <10.0 | 10.0 | ug/L | | | | | | | |
| Methyl lodide | <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 ug/L | | | | | | | |
| Styrene | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromoform | <1.0 | 1.0 | ug/L ug/L | | | | | | | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L ug/L | | | | | | | |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | | | | | | | | |
| 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 ug/L | | | | | | | |

ug/L

50.2

91.4

75-136

45.9

Surrogate: Dibromofluoromethane



1HD1511

Spike Source

| | | | | Spike | Source | | %REC | | RPD | |
|---|---------|------|--------------|--------------|-------------|------------|--------|-----|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1572 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| Blank (1HD1572-BLK1) | | | Prepared: 04 | 4/25/24 00:0 | 0 Analyzed: | 04/25/24 1 | 0:53 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 47.5 | | ug/L | 50.1 | | 94.9 | 61-142 | | | |
| Surrogate: Toluene-d8 | 49.0 | | ug/L | 50.4 | | 97.2 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 48.4 | | ug/L | 50.1 | | 96.6 | 80-116 | | | |
| _CS (1HD1572-BS1) | | | Prepared: 04 | 4/25/24 00:0 | 0 Analyzed: | 04/25/24 0 | 9:45 | | | |
| Chloromethane | 31.87 | 1.0 | ug/L | 30.6 | | 104 | 63-155 | | | |
| Vinyl Chloride | 31.27 | 1.0 | ug/L | 30.2 | | 103 | 70-154 | | | |
| Bromomethane | 27.29 | 1.0 | ug/L | 28.8 | | 94.8 | 52-176 | | | |
| Chloroethane | 34.72 | 1.0 | ug/L | 31.6 | | 110 | 72-148 | | | |
| Trichlorofluoromethane | 31.60 | 1.0 | ug/L | 32.6 | | 96.9 | 70-152 | | | |
| 1,1-Dichloroethylene | 46.16 | 1.0 | ug/L | 50.0 | | 92.3 | 70-148 | | | |
| Acetone | 77.88 | 10.0 | ug/L | 101 | | 77.0 | 43-172 | | | |
| Methyl lodide | 90.24 | 1.0 | ug/L | 102 | | 88.6 | 69-170 | | | |
| Carbon Disulfide | 103.5 | 1.0 | ug/L | 103 | | 101 | 72-162 | | | |
| Methylene Chloride | 45.98 | 5.0 | ug/L | 50.0 | | 92.0 | 68-142 | | | |
| trans-1,2-Dichloroethylene | 47.10 | 1.0 | ug/L | 50.0 | | 94.2 | 66-148 | | | |
| 1,1-Dichloroethane | 46.09 | 1.0 | ug/L | 50.0 | | 92.2 | 66-143 | | | |
| Vinyl Acetate | 103.5 | 5.0 | ug/L | 100 | | 103 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 44.41 | 1.0 | ug/L | 50.0 | | 88.8 | 71-149 | | | |
| 2-Butanone (MEK) | 98.28 | 10.0 | ug/L | 102 | | 96.5 | 52-159 | | | |
| Bromochloromethane | 46.58 | 1.0 | ug/L | 50.0 | | 93.2 | 69-143 | | | |
| Chloroform | 44.67 | 1.0 | ug/L | 50.0 | | 89.3 | 69-144 | | | |
| 1,1,1-Trichloroethane | 43.41 | 1.0 | ug/L | 50.0 | | 86.8 | 62-129 | | | |
| Carbon Tetrachloride | 46.00 | 1.0 | ug/L | 50.0 | | 92.0 | 63-141 | | | |
| Benzene | 48.21 | 1.0 | ug/L | 50.0 | | 96.4 | 71-134 | | | |
| 1,2-Dichloroethane | 46.27 | 1.0 | ug/L | 50.0 | | 92.5 | 72-132 | | | |
| Trichloroethylene | 47.24 | 1.0 | ug/L | 50.0 | | 94.5 | 71-135 | | | |
| 1,2-Dichloropropane | 48.29 | 1.0 | ug/L | 50.0 | | 96.6 | 69-136 | | | |
| Dibromomethane | 48.39 | 1.0 | ug/L | 50.0 | | 96.8 | 73-147 | | | |
| Bromodichloromethane | 46.91 | 1.0 | ug/L | 50.0 | | 93.8 | 68-129 | | | |
| cis-1,3-Dichloropropene | 46.00 | 1.0 | ug/L | 50.0 | | 92.0 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 99.66 | 5.0 | ug/L | 100 | | 99.6 | 58-147 | | | |
| Toluene | 46.08 | 1.0 | ug/L | 50.0 | | 92.2 | 72-133 | | | |
| trans-1,3-Dichloropropene | 48.01 | 1.0 | ug/L | 50.0 | | 96.0 | 67-130 | | | |
| 1,1,2-Trichloroethane | 48.29 | 1.0 | ug/L | 50.0 | | 96.6 | 69-135 | | | |
| Tetrachloroethylene | 47.47 | 1.0 | ug/L | 50.0 | | 94.9 | 69-130 | | | |
| 2-Hexanone (MBK) | 104.2 | 5.0 | ug/L | 99.3 | | 105 | 55-144 | | | |
| Dibromochloromethane | 49.44 | 1.0 | ug/L | 50.0 | | 98.9 | 73-127 | | | |
| 1,2-Dibromoethane | 48.54 | 1.0 | ug/L | 50.0 | | 97.1 | 67-132 | | | |
| Chlorobenzene | 48.15 | 1.0 | ug/L | 50.0 | | 96.3 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 49.04 | 1.0 | ug/L | 50.0 | | 98.1 | 73-127 | | | |
| Ethylbenzene | 49.63 | 1.0 | ug/L | 50.0 | | 99.3 | 71-127 | | | |
| Xylenes, total | 150.2 | 2.0 | ug/L | 150 | | 100 | 74-127 | | | |

RPD

%REC



| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---------|------|--------------|----------------|------------------|------------|----------------|-------|--------------|-------|
| Batch 1HD1572 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| LCS (1HD1572-BS1) | | | Prepared: 04 | 4/25/24 00:0 | 0 Analyzed: | 04/25/24 0 | 9:45 | | | |
| Styrene | 51.38 | 1.0 | ug/L | 50.0 | | 103 | 66-126 | | | |
| Bromoform | 46.93 | 1.0 | ug/L | 50.0 | | 93.9 | 68-130 | | | |
| 1,2,3-Trichloropropane | 48.22 | 1.0 | ug/L | 50.0 | | 96.4 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 88.46 | 5.0 | ug/L | 103 | | 86.1 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 49.14 | 1.0 | ug/L | 50.0 | | 98.3 | 61-131 | | | |
| 1,4-Dichlorobenzene | 47.71 | 1.0 | ug/L | 50.0 | | 95.4 | 70-129 | | | |
| 1,2-Dichlorobenzene | 49.58 | 1.0 | ug/L | 50.0 | | 99.2 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 47.66 | 5.0 | ug/L | 50.0 | | 95.3 | 50-143 | | | |
| Surrogate: Dibromofluoromethane | 46.3 | | ug/L | 50.2 | | 92.2 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 46.8 | | ug/L | 50.1 | | 93.5 | 61-142 | | | |
| Surrogate: Toluene-d8 | 49.6 | | ug/L | 50.4 | | 98.3 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.0 | | ug/L | 50.1 | | 99.8 | 80-116 | | | |
| LCS Dup (1HD1572-BSD1) | | | Prepared: 04 | 4/25/24 00:0 | 0 Analyzed: | 04/25/24 1 | 0:07 | | | |
| Chloromethane | 30.48 | 1.0 | ug/L | 30.6 | | 99.5 | 63-155 | 4.46 | 24 | |
| Vinyl Chloride | 29.91 | 1.0 | ug/L | 30.2 | | 99.0 | 70-154 | 4.45 | 25 | |
| Bromomethane | 26.94 | 1.0 | ug/L | 28.8 | | 93.5 | 52-176 | 1.29 | 27 | |
| Chloroethane | 33.02 | 1.0 | ug/L | 31.6 | | 104 | 72-148 | 5.02 | 25 | |
| Trichlorofluoromethane | 30.17 | 1.0 | ug/L | 32.6 | | 92.5 | 70-152 | 4.63 | 26 | |
| 1,1-Dichloroethylene | 44.10 | 1.0 | ug/L | 50.0 | | 88.2 | 70-148 | 4.56 | 24 | |
| Acetone | 79.15 | 10.0 | ug/L | 101 | | 78.2 | 43-172 | 1.62 | 30 | |
| Methyl lodide | 85.49 | 1.0 | ug/L | 102 | | 83.9 | 69-170 | 5.41 | 30 | |
| Carbon Disulfide | 98.52 | 1.0 | ug/L | 103 | | 95.9 | 72-162 | 4.91 | 24 | |
| Methylene Chloride | 44.51 | 5.0 | ug/L | 50.0 | | 89.0 | 68-142 | 3.25 | 21 | |
| trans-1,2-Dichloroethylene | 44.92 | 1.0 | ug/L | 50.0 | | 89.8 | 66-148 | 4.74 | 27 | |
| 1,1-Dichloroethane | 44.42 | 1.0 | ug/L | 50.0 | | 88.8 | 66-143 | 3.69 | 24 | |
| Vinyl Acetate | 97.13 | 5.0 | ug/L | 100 | | 97.1 | 43-153 | 6.31 | 30 | |
| cis-1,2-Dichloroethylene | 52.28 | 1.0 | ug/L | 50.0 | | 105 | 71-149 | 16.3 | 26 | |
| 2-Butanone (MEK) | 92.77 | 10.0 | ug/L | 102 | | 91.1 | 52-159 | 5.77 | 27 | |
| Bromochloromethane | 44.92 | 1.0 | ug/L | 50.0 | | 89.8 | 69-143 | 3.63 | 23 | |
| Chloroform | 43.06 | 1.0 | ug/L | 50.0 | | 86.1 | 69-144 | 3.67 | 23 | |
| 1,1,1-Trichloroethane | 41.29 | 1.0 | ug/L | 50.0 | | 82.6 | 62-129 | 5.01 | 24 | |
| Carbon Tetrachloride | 43.89 | 1.0 | ug/L | 50.0 | | 87.8 | 63-141 | 4.69 | 25 | |
| Benzene | 46.39 | 1.0 | ug/L | 50.0 | | 92.8 | 71-134 | 3.85 | 24 | |
| 1,2-Dichloroethane | 45.26 | 1.0 | ug/L | 50.0 | | 90.5 | 72-132 | 2.21 | 24 | |
| Trichloroethylene | 45.57 | 1.0 | ug/L | 50.0 | | 91.1 | 71-135 | 3.60 | 24 | |
| 1,2-Dichloropropane | 46.95 | 1.0 | ug/L | 50.0 | | 93.9 | 69-136 | 2.81 | 24 | |
| Dibromomethane | 47.71 | 1.0 | ug/L | 50.0 | | 95.4 | 73-147 | 1.42 | 25 | |
| Bromodichloromethane | 45.70 | 1.0 | ug/L | 50.0 | | 91.4 | 68-129 | 2.61 | 22 | |
| cis-1,3-Dichloropropene | 45.21 | 1.0 | ug/L | 50.0 | | 90.4 | 65-134 | 1.73 | 23 | |
| 4-Methyl-2-pentanone (MIBK) | 100.4 | 5.0 | ug/L | 100 | | 100 | 58-147 | 0.750 | 27 | |
| Toluene | 44.67 | 1.0 | ug/L | 50.0 | | 89.3 | 72-133 | 3.11 | 24 | |
| trans-1,3-Dichloropropene | 47.20 | 1.0 | ug/L | 50.0 | | 94.4 | 67-130 | 1.70 | 24 | |



1HD1511

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|-----------|------------|--------------|----------------|------------------|------------|----------------|-------|--------------|-------|
| Batch 1HD1572 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| LCS Dup (1HD1572-BSD1) | | | Prepared: 04 | 4/25/24 00:0 | 0 Analyzed: | 04/25/24 1 | 0:07 | | | |
| 1,1,2-Trichloroethane | 47.28 | 1.0 | ug/L | 50.0 | | 94.6 | 69-135 | 2.11 | 23 | |
| Tetrachloroethylene | 45.29 | 1.0 | ug/L | 50.0 | | 90.6 | 69-130 | 4.70 | 25 | |
| 2-Hexanone (MBK) | 104.5 | 5.0 | ug/L | 99.3 | | 105 | 55-144 | 0.230 | 25 | |
| Dibromochloromethane | 48.16 | 1.0 | ug/L | 50.0 | | 96.3 | 73-127 | 2.62 | 22 | |
| 1,2-Dibromoethane | 47.80 | 1.0 | ug/L | 50.0 | | 95.6 | 67-132 | 1.54 | 24 | |
| Chlorobenzene | 46.58 | 1.0 | ug/L | 50.0 | | 93.2 | 72-123 | 3.31 | 23 | |
| 1,1,1,2-Tetrachloroethane | 47.89 | 1.0 | ug/L | 50.0 | | 95.8 | 73-127 | 2.37 | 24 | |
| Ethylbenzene | 47.82 | 1.0 | ug/L | 50.0 | | 95.6 | 71-127 | 3.71 | 26 | |
| Xylenes, total | 145.6 | 2.0 | ug/L | 150 | | 97.0 | 74-127 | 3.12 | 25 | |
| Styrene | 49.77 | 1.0 | ug/L | 50.0 | | 99.5 | 66-126 | 3.18 | 23 | |
| Bromoform | 46.69 | 1.0 | ug/L | 50.0 | | 93.4 | 68-130 | 0.513 | 23 | |
| 1,2,3-Trichloropropane | 47.89 | 1.0 | ug/L | 50.0 | | 95.8 | 63-136 | 0.687 | 24 | |
| trans-1,4-Dichloro-2-butene | 88.16 | 5.0 | ug/L | 103 | | 85.8 | 54-134 | 0.340 | 27 | |
| 1,1,2,2-Tetrachloroethane | 48.31 | 1.0 | ug/L | 50.0 | | 96.6 | 61-131 | 1.70 | 29 | |
| 1,4-Dichlorobenzene | 46.06 | 1.0 | ug/L | 50.0 | | 92.1 | 70-129 | 3.52 | 24 | |
| 1,2-Dichlorobenzene | 47.96 | 1.0 | ug/L | 50.0 | | 95.9 | 69-126 | 3.32 | 26 | |
| 1,2-Dibromo-3-chloropropane | 48.25 | 5.0 | ug/L | 50.0 | | 96.5 | 50-143 | 1.23 | 30 | |
| Surrogate: Dibromofluoromethane | 46.2 | | ug/L | 50.2 | | 92.2 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 46.2 | | ug/L | 50.1 | | 92.2 | 61-142 | | | |
| Surrogate: Toluene-d8 | 49.4 | | ug/L | 50.4 | | 98.0 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.3 | | ug/L | 50.1 | | 100 | 80-116 | | | |
| Matrix Spike (1HD1572-MS1) | Source: 1 | IHD1698-01 | Prepared: 04 | 4/25/24 00:0 | 0 Analyzed: | 04/25/24 1 | 9:02 | | | |
| Chloromethane | 276.8 | 10.0 | ug/L | 300 | ND | 92.2 | 61-152 | | | |
| Vinyl Chloride | 304.3 | 10.0 | ug/L | 300 | ND | 101 | 66-149 | | | |
| Bromomethane | 210.2 | 10.0 | ug/L | 301 | ND | 69.8 | 43-171 | | | |
| Chloroethane | 308.6 | 10.0 | ug/L | 300 | ND | 103 | 69-148 | | | |
| Trichlorofluoromethane | 291.8 | 10.0 | ug/L | 300 | ND | 97.3 | 62-163 | | | |
| 1,1-Dichloroethylene | 472.9 | 10.0 | ug/L | 501 | ND | 94.3 | 70-148 | | | |
| Acetone | 813.9 | 100 | ug/L | 1000 | ND | 81.3 | 45-173 | | | |
| Methyl Iodide | 737.0 | 10.0 | ug/L | 1000 | ND | 73.6 | 62-167 | | | |
| Carbon Disulfide | 937.9 | 10.0 | ug/L | 1000 | ND | 93.7 | 71-163 | | | |
| Methylene Chloride | 465.7 | 50.0 | ug/L | 502 | ND | 92.8 | 69-140 | | | |
| trans-1,2-Dichloroethylene | 476.3 | 10.0 | ug/L | 503 | ND | 94.7 | 69-144 | | | |
| 1,1-Dichloroethane | 469.8 | 10.0 | ug/L | 503 | ND | 93.5 | 70-138 | | | |
| Vinyl Acetate | 846.4 | 50.0 | ug/L | 1620 | ND | 52.4 | 58-142 | | | QM-05 |
| cis-1,2-Dichloroethylene | 546.4 | 10.0 | ug/L | 505 | ND | 108 | 68-151 | | | |
| 2-Butanone (MEK) | 943.1 | 100 | ug/L | 1000 | ND | 94.2 | 50-160 | | | |
| Bromochloromethane | 469.3 | 10.0 | ug/L | 504 | ND | 93.0 | 65-143 | | | |
| Chloroform | 455.5 | 10.0 | ug/L | 502 | ND | 90.8 | 71-143 | | | |
| 1,1,1-Trichloroethane | 460.7 | 10.0 | ug/L | 503 | ND | 91.6 | 63-133 | | | |
| Carbon Tetrachloride | 470.6 | 10.0 | ug/L | 502 | ND | 93.7 | 63-142 | | | |
| Benzene | 487.8 | 10.0 | ug/L | 504 | ND | 96.7 | 69-133 | | | |



1HD1511

Spike Source

| | | | | Spike | Source | | %REC | | RPD | |
|---|-----------|-----------|--------------|--------------|-------------|------------|------------------------------|------|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HD1572 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike (1HD1572-MS1) | Source: 1 | HD1698-01 | Prepared: 04 | 4/25/24 00:0 | 0 Analyzed: | 04/25/24 1 | 9:02 | | | |
| 1,2-Dichloroethane | 462.2 | 10.0 | ug/L | 502 | ND | 92.1 | 63-138 | | | |
| Trichloroethylene | 486.2 | 10.0 | ug/L | 503 | ND | 96.6 | 71-133 | | | |
| 1,2-Dichloropropane | 486.5 | 10.0 | ug/L | 502 | ND | 96.9 | 69-132 | | | |
| Dibromomethane | 484.7 | 10.0 | ug/L | 505 | ND | 96.0 | 70-147 | | | |
| Bromodichloromethane | 477.9 | 10.0 | ug/L | 503 | ND | 95.1 | 67-130 | | | |
| cis-1,3-Dichloropropene | 476.4 | 10.0 | ug/L | 502 | ND | 94.9 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1057 | 50.0 | ug/L | 1000 | ND | 105 | 55-147 | | | |
| Toluene | 479.4 | 10.0 | ug/L | 505 | ND | 95.0 | 71-133 | | | |
| trans-1,3-Dichloropropene | 477.7 | 10.0 | ug/L | 503 | ND | 95.0 | 63-124 | | | |
| 1,1,2-Trichloroethane | 489.0 | 10.0 | ug/L | 502 | ND | 97.4 | 69-133 | | | |
| Tetrachloroethylene | 485.1 | 10.0 | ug/L | 502 | ND | 96.6 | 70-124 | | | |
| 2-Hexanone (MBK) | 1090 | 50.0 | ug/L | 1000 | ND | 109 | 53-141 | | | |
| Dibromochloromethane | 486.1 | 10.0 | ug/L | 503 | ND | 96.6 | 74-122 | | | |
| 1,2-Dibromoethane | 495.9 | 10.0 | ug/L | 504 | ND | 98.3 | 66-127 | | | |
| Chlorobenzene | 491.8 | 10.0 | ug/L | 502 | ND | 97.9 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 485.6 | 10.0 | ug/L | 504 | ND | 96.3 | 77-121 | | | |
| Ethylbenzene | 507.9 | 10.0 | ug/L | 505 | ND | 101 | 73-124 | | | |
| Xylenes, total | 1537 | 20.0 | ug/L | 1510 | ND | 102 | 75-12 4 75-123 | | | |
| Styrene | 517.3 | 10.0 | ug/L | 504 | ND | 103 | 70-120 | | | |
| Bromoform | 470.4 | 10.0 | ug/L | 502 | ND | 93.7 | 70-120 70-124 | | | |
| 1,2,3-Trichloropropane | 496.6 | 10.0 | ug/L | 504 | ND | 98.5 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 1006 | 50.0 | ug/L | 1000 | ND | 100 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 498.5 | 10.0 | ug/L | 502 | | 99.3 | | | | |
| 1,4-Dichlorobenzene | 483.9 | 10.0 | _ | | ND | | 63-126 | | | |
| | 481.6 | | ug/L | 502 | ND | 96.4 | 72-119 | | | |
| 1,2-Dichlorobenzene | 485.6 | 10.0 | ug/L | 502 | ND | 96.0 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 465.0 | 50.0 | ug/L | 505 | ND | 96.2 | 49-134 | | | |
| Surrogate: Dibromofluoromethane | 467 | | ug/L | 502 | | 93.2 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 474 | | ug/L | 501 | | 94.7 | 61-142 | | | |
| Surrogate: Toluene-d8 | 499 | | ug/L | 504 | | 99.0 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 500 | | ug/L | 501 | | 99.6 | 80-116 | | | |
| Matrix Spike Dup (1HD1572-MSD1) | | HD1698-01 | Prepared: 04 | | | | | | | |
| Chloromethane | 264.9 | 10.0 | ug/L | 300 | ND | 88.2 | 61-152 | 4.39 | 26 | |
| Vinyl Chloride | 291.2 | 10.0 | ug/L | 300 | ND | 97.0 | 66-149 | 4.40 | 23 | |
| Bromomethane | 227.3 | 10.0 | ug/L | 301 | ND | 75.5 | 43-171 | 7.82 | 29 | |
| Chloroethane | 296.6 | 10.0 | ug/L | 300 | ND | 98.8 | 69-148 | 3.97 | 25 | |
| Trichlorofluoromethane | 287.3 | 10.0 | ug/L | 300 | ND | 95.8 | 62-163 | 1.55 | 25 | |
| 1,1-Dichloroethylene | 456.6 | 10.0 | ug/L | 501 | ND | 91.1 | 70-148 | 3.51 | 22 | |
| Acetone | 783.7 | 100 | ug/L | 1000 | ND | 78.3 | 45-173 | 3.78 | 30 | |
| Methyl lodide | 801.1 | 10.0 | ug/L | 1000 | ND | 80.0 | 62-167 | 8.33 | 24 | |
| Carbon Disulfide | 902.2 | 10.0 | ug/L | 1000 | ND | 90.1 | 71-163 | 3.88 | 22 | |
| Methylene Chloride | 450.2 | 50.0 | ug/L | 502 | ND | 89.7 | 69-140 | 3.38 | 19 | |
| trans-1,2-Dichloroethylene | 454.5 | 10.0 | ug/L | 503 | ND | 90.4 | 69-144 | 4.68 | 22 | |

RPD

%REC



1HD1511

Spike Source

| | | | | Spike | Source | | %REC | | KPD | |
|---|--------|------------|--------------|--------------|--------------|------------|--------|-------|----------|---------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Note |
| Batch 1HD1572 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike Dup (1HD1572-MSD1) | Source | 1HD1698-01 | Prepared: 04 | 4/25/24 00:0 | 00 Analyzed: | 04/25/24 1 | 9:25 | | | |
| 1,1-Dichloroethane | 450.4 | 10.0 | ug/L | 503 | ND | 89.6 | 70-138 | 4.22 | 20 | |
| Vinyl Acetate | 899.2 | 50.0 | ug/L | 1620 | ND | 55.7 | 58-142 | 6.05 | 24 | QM-0 |
| cis-1,2-Dichloroethylene | 527.8 | 10.0 | ug/L | 505 | ND | 105 | 68-151 | 3.46 | 22 | |
| 2-Butanone (MEK) | 969.7 | 100 | ug/L | 1000 | ND | 96.8 | 50-160 | 2.78 | 23 | |
| Bromochloromethane | 457.9 | 10.0 | ug/L | 504 | ND | 90.8 | 65-143 | 2.46 | 22 | |
| Chloroform | 436.1 | 10.0 | ug/L | 502 | ND | 86.9 | 71-143 | 4.35 | 21 | |
| 1,1,1-Trichloroethane | 444.5 | 10.0 | ug/L | 503 | ND | 88.3 | 63-133 | 3.58 | 23 | |
| Carbon Tetrachloride | 452.8 | 10.0 | ug/L | 502 | ND | 90.2 | 63-142 | 3.86 | 22 | |
| Benzene | 466.8 | 10.0 | ug/L | 504 | ND | 92.5 | 69-133 | 4.40 | 18 | |
| 1,2-Dichloroethane | 450.5 | 10.0 | ug/L | 502 | ND | 89.8 | 63-138 | 2.56 | 20 | |
| Trichloroethylene | 464.9 | 10.0 | ug/L | 503 | ND | 92.3 | 71-133 | 4.48 | 23 | |
| 1,2-Dichloropropane | 471.3 | 10.0 | ug/L | 502 | ND | 93.8 | 69-132 | 3.17 | 20 | |
| Dibromomethane | 472.6 | 10.0 | ug/L | 505 | ND | 93.6 | 70-147 | 2.53 | 22 | |
| Bromodichloromethane | 464.0 | 10.0 | ug/L | 503 | ND | 92.3 | 67-130 | 2.95 | 21 | |
| cis-1,3-Dichloropropene | 463.0 | 10.0 | ug/L | 502 | ND | 92.2 | 61-126 | 2.85 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 1024 | 50.0 | ug/L | 1000 | ND | 102 | 55-147 | 3.14 | 23 | |
| Toluene | 456.5 | 10.0 | ug/L | 505 | ND | 90.4 | 71-133 | 4.89 | 23 19 | |
| trans-1,3-Dichloropropene | 470.2 | 10.0 | ug/L | 503 | ND | 93.5 | 63-124 | 1.58 | 21 | |
| 1,1,2-Trichloroethane | 474.2 | 10.0 | ug/L | 502 | ND | 94.4 | 69-133 | 3.07 | 19 | |
| Tetrachloroethylene | 463.0 | 10.0 | ug/L | 502 | ND | 92.2 | 70-124 | 4.66 | | |
| 2-Hexanone (MBK) | 1065 | 50.0 | ug/L | 1000 | ND | 106 | 53-141 | 2.32 | 24 24 | |
| Dibromochloromethane | 477.4 | 10.0 | ug/L | 503 | ND | 94.8 | 74-122 | 1.81 | | |
| 1,2-Dibromoethane | 484.9 | 10.0 | _ | 503 | | | | | 21 | |
| Chlorobenzene | 469.2 | 10.0 | ug/L | | ND | 96.1 | 66-127 | 2.24 | 23 | |
| | 469.9 | | ug/L | 502 | ND | 93.4 | 76-116 | 4.70 | 21 | |
| 1,1,1,2-Tetrachloroethane | 484.5 | 10.0 | ug/L | 504 | ND | 93.2 | 77-121 | 3.29 | 25 | |
| Ethylbenzene | 1462 | 10.0 | ug/L | 505 | ND | 96.0 | 73-124 | 4.72 | 20 | |
| Xylenes, total | | 20.0 | ug/L | 1510 | ND | 96.6 | 75-123 | 4.97 | 20 | |
| Styrene | 496.6 | 10.0 | ug/L | 504 | ND | 98.5 | 70-120 | 4.08 | 23 | |
| Bromoform | 466.8 | 10.0 | ug/L | 502 | ND | 92.9 | 70-124 | 0.768 | 22 | |
| 1,2,3-Trichloropropane | 479.7 | 10.0 | ug/L | 504 | ND | 95.1 | 62-135 | 3.46 | 28 | |
| trans-1,4-Dichloro-2-butene | 990.8 | 50.0 | ug/L | 1000 | ND | 98.8 | 50-120 | 1.48 | 26 | |
| 1,1,2,2-Tetrachloroethane | 484.6 | 10.0 | ug/L | 502 | ND | 96.5 | 63-126 | 2.83 | 24 | |
| 1,4-Dichlorobenzene | 463.5 | 10.0 | ug/L | 502 | ND | 92.4 | 72-119 | 4.31 | 24 | |
| 1,2-Dichlorobenzene | 466.7 | 10.0 | ug/L | 502 | ND | 93.0 | 71-117 | 3.14 | 24 | |
| 1,2-Dibromo-3-chloropropane | 484.3 | 50.0 | ug/L | 505 | ND | 95.9 | 49-134 | 0.268 | 28 | |
| Surrogate: Dibromofluoromethane | 471 | | ug/L | 502 | | 93.8 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 473 | | ug/L | 501 | | 94.4 | 61-142 | | | |
| Surrogate: Toluene-d8 | 498 | | ug/L | 504 | | 98.8 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 500 | | ug/L | 501 | | 99.8 | 80-116 | | | |

RPD

%REC



CERTIFICATE OF ANALYSIS

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | | |
|---|---|--|--|--------------------------------------|------------------------------------|---|----------------|-------|--------------|-------|--|--|
| Batch 1HD1215 - General Prep Micr | o - SM 5210 B | | | | | | | | | | | |
| Blank (1HD1215-BLK1) | | | Prepared: 04 | 1/19/24 08:4 | 1 Analyzed: | 04/19/24 1 | 0:25 | | | | | |
| BOD (5 day) | <2 | 2 | mg/L | | | | | | | B-06 | | |
| Duplicate (1HD1215-DUP1) | Source | : 1HD1444-01 | Prepared: 04 | 1/19/24 08:4 | 1 Analyzed: | 04/19/24 1 | 1:27 | | | | | |
| BOD (5 day) | 63.5 | 24 | mg/L | | 55.6 | | | 13.4 | 29 | | | |
| Reference (1HD1215-SRM1) | | | Prepared: 04 | 1/19/24 08:4 | 1 Analyzed: | 04/19/24 1 | 0:31 | | | | | |
| BOD (5 day) | 194 | 100 | mg/L | 198 | | 97.8 | 84.6-115.4 | 1 | | | | |
| Batch 1HD1237 - Wet Chem Prepara | ation - 2320B | | | | | | | | | | | |
| Blank (1HD1237-BLK1) | | | Prepared: 04 | 19/24 11:0 | 1 Analyzed: | 04/19/24 1 | 4:02 | | | | | |
| Alkalinity, as CaCO3 | <10 | 10 | mg/L | | | | | | | | | |
| LCS (1HD1237-BS1) | | | Prepared: 04 | /19/24 11:0 | 1 Analyzed: | 04/19/24 1 | 4:02 | | | | | |
| Alkalinity, as CaCO3 | 223 | 10 | mg/L | 235 | | 94.9 | 88-114 | | | | | |
| Matrix Spike (1HD1237-MS1) | Source | : 1HD1512-01 | Prepared: 04 | 1/19/24 11:0 | 1 Analyzed: | 04/19/24 1 | 4:02 | | | | | |
| Alkalinity, as CaCO3 | 400 | 10 | mg/L | 235 | 189 | 89.5 | 74-122 | | | | | |
| Matrix Spike Dup (1HD1237-MSD1) | Source | : 1HD1512-01 | Prepared: 04 | 1/19/24 11:0 | 1 Analyzed: | 04/19/24 1 | 4:02 | | | | | |
| Alkalinity, as CaCO3 | 398 | 10 | mg/L | 235 | 189 | 88.7 | 74-122 | 0.476 | 10 | | | |
| Batch 1HD1258 - Wet Chem Prepara | | : 1HD1434-01 | Prepared & A | Analyzed: 0 | 4/19/24 16:1: | 2 | | | | | | |
| На | 7.47 | 0.5 | рН | | 7.46 | | | 0.107 | 10 | | | |
| Reference (1HD1258-SRM1) | | | Prepared & A | Analyzed: 04 | 4/19/24 16:1: | 2 | | | | | | |
| рН | 7.01 | 0.5 | pH | 7.00 | | 100 | 90-110 | | | | | |
| Reference (1HD1258-SRM2) | | | Prepared & A | Analyzed: 04 | 4/19/24 16:1: | 2 | | | | | | |
| pH | 7.02 | 0.5 | рН | 7.00 | | 100 | 90-110 | | | | | |
| Batch 1HD1292 - Wet Chem Prepara | ation - USGS I-376 | 5-85 | | | | | | | | | | |
| Blank (1HD1292-BLK1) | | | Prepared: 04 | | 1 Analyzed: | 04/22/24 1 | 4:10 | | | | | |
| | | | <u> </u> | | | | | | | | | |
| , | <1 | 1 | ma/L | | | mg/L Prepared: 04/22/24 09:41 Analyzed: 04/22/24 14:10 | | | | | | |
| Total Suspended Solids (TSS) | <1 | 1 | mg/L Prepared: 04 | 1/22/24 09:4 | 1 Analyzed: | 04/22/24 1 | 4:10 | | | | | |
| Total Suspended Solids (TSS) LCS (1HD1292-BS1) | <1 14.1 | | Prepared: 04 | | 1 Analyzed: | | | | | | | |
| Total Suspended Solids (TSS) LCS (1HD1292-BS1) Total Suspended Solids (TSS) | 14.1 | 1 | Prepared: 04 | 15.0 | | 94.0 | 74-114 | | | | | |
| Total Suspended Solids (TSS) LCS (1HD1292-BS1) | 14.1 | | Prepared: 04 | 15.0 | | 94.0 | 74-114 | 6.27 | 30 | | | |
| Total Suspended Solids (TSS) LCS (1HD1292-BS1) Total Suspended Solids (TSS) Duplicate (1HD1292-DUP1) | 14.1 Source 55.6 | 1 : 1HD1347-01 1 | Prepared: 04 mg/L Prepared: 04 | 15.0 | 1 Analyzed: | 94.0 | 74-114 | 6.27 | 30 | | | |
| Total Suspended Solids (TSS) LCS (1HD1292-BS1) Total Suspended Solids (TSS) Duplicate (1HD1292-DUP1) Total Suspended Solids (TSS) | 14.1 Source 55.6 | 1 : 1HD1347-01 1 | Prepared: 04 mg/L Prepared: 04 | 15.0 1/22/24 09:4 | 1 Analyzed: 59.2 | 94.0 04/22/24 1 | 74-114 4:10 | 6.27 | 30 | | | |
| Total Suspended Solids (TSS) LCS (1HD1292-BS1) Total Suspended Solids (TSS) Duplicate (1HD1292-DUP1) Total Suspended Solids (TSS) Batch 1HD1318 - Wet Chem Prepara | 14.1 Source 55.6 | 1 : 1HD1347-01 1 | Prepared: 04 mg/L Prepared: 04 mg/L | 15.0 1/22/24 09:4 | 1 Analyzed: 59.2 | 94.0 04/22/24 1 | 74-114 4:10 | 6.27 | 30 | | | |
| Total Suspended Solids (TSS) LCS (1HD1292-BS1) Total Suspended Solids (TSS) Duplicate (1HD1292-DUP1) Total Suspended Solids (TSS) Batch 1HD1318 - Wet Chem Prepara Blank (1HD1318-BLK1) | 14.1 Source 55.6 ation - USGS I-175 | 1 : 1HD1347-01 1 0-85 | Prepared: 04 mg/L Prepared: 04 mg/L Prepared: 04 | 15.0 4/22/24 09:4 4/22/24 14:3 | 1 Analyzed: 59.2 6 Analyzed: | 94.0 04/22/24 1 04/23/24 0 | 74-114 4:10 | 6.27 | 30 | | | |



| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|---------------------|------------|----------------------|----------------|------------------|------------|----------------|-------|--------------|-------|
| Batch 1HD1318 - Wet Chem Prepara | ation - USGS I-1750 | -85 | | | | | | | | |
| Duplicate (1HD1318-DUP1) | Source: | 1HD1574-01 | Prepared: 04 | /22/24 14:3 | 6 Analyzed: | 04/23/24 0 | 7:40 | | | |
| Total Dissolved Solids (TDS) | 1130 | 5 | mg/L | | 1130 | | | 0.235 | 30 | |
| Batch 1HD1566 - Wet Chem Prepara | ation - EPA 410.4 | | | | | | | | | |
| Blank (1HD1566-BLK1) | | | Prepared: 04 | /25/24 16:3 | 3 Analyzed: | 04/26/24 1 | 3:10 | | | |
| COD, total | <54 | 54 | mg/L | | | | | | | |
| LCS (1HD1566-BS1) | | | Prepared: 04 | /25/24 16:3 | 3 Analyzed: | 04/26/24 1 | 3:10 | | | |
| COD, total | 162 | 54 | mg/L | 150 | | 108 | 90-110 | | | |
| Matrix Spike (1HD1566-MS1) | Source: | 1HD1361-01 | Prepared: 04 | /25/24 16:3 | 3 Analyzed: | 04/26/24 1 | 3:10 | | | |
| COD, total | 404 | 108 | mg/L | 300 | ND | 135 | 90-110 | | | QM-13 |
| Matrix Spike Dup (1HD1566-MSD1) | Source: | 1HD1361-01 | Prepared: 04 | /25/24 16:3 | 3 Analyzed: | 04/26/24 1 | 3:10 | | | |
| COD, total | 1420 | 108 | mg/L | 300 | ND | 474 | 90-110 | 111 | 10 | QM-13 |
| Batch 1HD1631 - General Prep HPL0 | C/IC - TIMBERLINE | <u> </u> | | | | | | | | |
| Blank (1HD1631-BLK1) | | | Prepared: 04 | /29/24 07:1 | 9 Analyzed: | 04/29/24 1 | 1:54 | | | |
| Nitrogen, Ammonia | <0.10 | 0.10 | mg/L | | | | | | | |
| LCS (1HD1631-BS1) | | | Prepared: 04 | /29/24 07:1 | 9 Analyzed: | 04/29/24 1 | 1:56 | | | |
| Nitrogen, Ammonia | 5.31 | 0.10 | mg/L | 5.00 | | 106 | 90-114 | | | |
| Matrix Spike (1HD1631-MS1) | Source: | 2HD0576-02 | Prepared: 04 | /29/24 07:1 | 9 Analyzed: | 04/29/24 1 | 1:57 | | | |
| Nitrogen, Ammonia | 5.60 | 0.10 | mg/L | 5.00 | ND | 112 | 84-115 | | | |
| Matrix Spike Dup (1HD1631-MSD1) | Source: | 2HD0576-02 | Prepared: 04 | /29/24 07:1 | 9 Analyzed: | 04/29/24 1 | 1:59 | | | |
| Nitrogen, Ammonia | 5.70 | 0.10 | mg/L | 5.00 | ND | 114 | 84-115 | 1.66 | 20 | |
| Determination of Inorganic Anions | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch 1HE0146 - General Prep HPL0 | C/IC - EPA 9056 | | | | | 05/04/04 4 | 4.00 | | | |
| Blank (1HE0146-BLK1) | <1.0 | | Prepared: 05 | 0/01/24 00:0 | u Anaiyzed: | 05/01/24 1 | 1:39 | | | |
| Sulfate | <1.0 | 1.0 | mg/L | 104/04 00-0 | 0 4 1 1 | 05/04/04 4 | 0.04 | | | |
| LCS (1HE0146-BS1) | 33.16 | 1.0 | Prepared: 05 | | o Analyzeu. | | | | | |
| Sulfate | 55.10 | 1.0 | mg/L Prepared: 05 | 33.9 | O Analyzod | 97.7 | 80-120 2:46 | | | |
| LCS Dup (1HE0146-BSD1) | 33.09 | 1.0 | • | | U Allalyzeu. | | | 0.000 | 40 | |
| Sulfate | | 1.0 | mg/L | 33.9 | O Analyzad | 97.5 | 80-120 | 0.229 | 10 | |
| Matrix Spike (1HE0146-MS1) | 413.7 | 1HD1656-01 | Prepared: 05 | | - | | | | | |
| Sulfate Matrix Spike Dup (1HE0146-MSD1) | | 10.0 | mg/L | 339 | 77.90 | 99.0 | 87-113 | | | |
| | Source: | 1HD1656-01 | Prepared: 05 | 10 1/24 00:0 | o Analyzed: | 03/01/24 2 | บ.วิฮ | | | |



CERTIFICATE OF ANALYSIS

| Determination of Inorganic Anions | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--|--|---|---|---|--|---|------------|--------------|-------|
| Batch 1HE0195 - General Prep HPL | .C/IC - EPA 9056 | | | | | | | | | |
| Blank (1HE0195-BLK1) | | | Prepared: 05 | 5/02/24 00:0 | 0 Analyzed: | 05/02/24 1 | 0:15 | | | |
| Chloride | <1.0 | 1.0 | mg/L | | | | | | | |
| Blank (1HE0195-BLK2) | | | Prepared: 05 | 5/02/24 00:0 | 0 Analyzed: | 05/02/24 1 | 6:59 | | | |
| Chloride | <1.0 | 1.0 | mg/L | | | | | | | |
| LCS (1HE0195-BS1) | | | Prepared: 05 | 5/02/24 00:0 | 0 Analyzed: | 05/02/24 1 | 1:00 | | | |
| Chloride | 15.33 | 1.0 | mg/L | 15.4 | | 99.2 | 80-120 | | | |
| LCS Dup (1HE0195-BSD1) | | | Prepared: 05 | 5/02/24 00:0 | 0 Analyzed: | 05/02/24 1 | 1:23 | | | |
| Chloride | 15.09 | 1.0 | mg/L | 15.4 | | 97.6 | 80-120 | 1.61 | 10 | |
| Matrix Spike (1HE0195-MS1) | Source: | : 1HD1652-01 | Prepared: 05 | 5/02/24 00:0 | 0 Analyzed: | 05/02/24 1 | 3:15 | | | |
| Chloride | 291.2 | 10.0 | mg/L | 154 | 142.9 | 96.0 | 81-116 | | | |
| Matrix Spike Dup (1HE0195-MSD1) | Source: | : 1HD1652-01 | Prepared: 05 | 5/02/24 00:0 | 0 Analyzed: | 05/02/24 1 | 3:37 | | | |
| Chloride | 291.5 | 10.0 | mg/L | 154 | 142.9 | 96.2 | 81-116 | 0.0858 | 10 | |
| | | | | | | | | | | |
| | | | | Snika | Source | | %REC | | RPD | |
| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC | RPD | RPD Limit | Notes |
| | | | Units | • | | %REC | | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total I | | | | Level | Result | | Limits | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) | | | Prepared: 04 | Level | Result | | Limits | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total I | Recoverable Metals | s - EPA 6020A | | Level | Result | | Limits | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) Arsenic, total | Recoverable Metals | 0.0040 | Prepared: 04 | Level | Result 6 Analyzed: | 04/25/24 2 | Limits 2:31 | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) Arsenic, total Cobalt, total | Recoverable Metals | 0.0040 | Prepared: 04 mg/L mg/L | Level | Result 6 Analyzed: | 04/25/24 2 | Limits 2:31 | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) Arsenic, total Cobalt, total LCS (1HD1412-BS1) | <0.0040 <0.0004 | 0.0040 0.0004 | Prepared: 04 mg/L mg/L Prepared: 04 | Level 1/24/24 07:1 1/24/24 07:1 | Result 6 Analyzed: | 04/25/24 2 | 2:31 2:37 | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) Arsenic, total Cobalt, total LCS (1HD1412-BS1) Arsenic, total Cobalt, total | <0.0040 <0.0004 0.100 0.104 | 0.0040 0.0040 0.0040 | Prepared: 04 mg/L prepared: 04 mg/L | Level 4/24/24 07:1 4/24/24 07:1 0.100 0.100 | Result 6 Analyzed: 6 Analyzed: | 04/25/24 2 04/25/24 2 100 104 | 2:31 2:37 80-120 80-120 | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) Arsenic, total Cobalt, total LCS (1HD1412-BS1) Arsenic, total | <0.0040 <0.0004 0.100 0.104 | 0.0040 0.0004 0.0004 0.0004 | Prepared: 04 mg/L mg/L Prepared: 04 mg/L | Level 4/24/24 07:1 4/24/24 07:1 0.100 0.100 | Result 6 Analyzed: 6 Analyzed: | 04/25/24 2 04/25/24 2 100 104 | 2:31 2:37 80-120 80-120 | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) Arsenic, total Cobalt, total LCS (1HD1412-BS1) Arsenic, total Cobalt, total Cobalt, total Matrix Spike (1HD1412-MS1) | Recoverable Metals <0.0040 <0.0004 0.100 0.104 Source: | 0.0040 0.0004 0.0004 0.0004 0.0004 1.1HD1511-01 | Prepared: 04 mg/L mg/L Prepared: 04 mg/L mg/L Prepared: 04 | Level 4/24/24 07:1 4/24/24 07:1 0.100 0.100 4/24/24 07:1 | Result 6 Analyzed: 6 Analyzed: 6 Analyzed: | 04/25/24 2 04/25/24 2 100 104 04/25/24 2 | 2:31 2:37 80-120 80-120 2:49 | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) Arsenic, total Cobalt, total LCS (1HD1412-BS1) Arsenic, total Cobalt, total Matrix Spike (1HD1412-MS1) Arsenic, total Cobalt, total | Recoverable Metals <0.0040 <0.0004 0.100 0.104 Source: 0.121 0.130 | 0.0040 0.0040 0.0004 0.0004 1.1HD1511-01 0.0040 | Prepared: 04 mg/L prepared: 04 mg/L mg/L prepared: 04 mg/L | Level 4/24/24 07:1 0.100 0.100 4/24/24 07:1 0.100 0.100 0.100 | Result 6 Analyzed: 6 Analyzed: 0.0214 0.0221 | 04/25/24 2 04/25/24 2 100 104 04/25/24 2 99.7 108 | 2:31 2:37 80-120 80-120 2:49 75-125 | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) Arsenic, total Cobalt, total LCS (1HD1412-BS1) Arsenic, total Cobalt, total Matrix Spike (1HD1412-MS1) Arsenic, total Cobalt, total | Recoverable Metals <0.0040 <0.0004 0.100 0.104 Source: 0.121 0.130 | 0.0040 0.0004 0.0004 0.0004 1HD1511-01 0.0040 0.0004 | Prepared: 04 mg/L mg/L Prepared: 04 mg/L Prepared: 04 mg/L mg/L mg/L | Level 4/24/24 07:1 0.100 0.100 4/24/24 07:1 0.100 0.100 0.100 | Result 6 Analyzed: 6 Analyzed: 0.0214 0.0221 | 04/25/24 2 04/25/24 2 100 104 04/25/24 2 99.7 108 | 2:31 2:37 80-120 80-120 2:49 75-125 | RPD | | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) Arsenic, total Cobalt, total LCS (1HD1412-BS1) Arsenic, total Cobalt, total Matrix Spike (1HD1412-MS1) Arsenic, total Cobalt, total Matrix Spike (1HD1412-MS1) | Recoverable Metals <0.0040 <0.0004 0.100 0.104 Source: 0.121 0.130 Source: | 0.0040 0.0004 0.0004 0.0004 1.1HD1511-01 0.0004 1.1HD1511-01 | Prepared: 04 mg/L mg/L Prepared: 04 mg/L mg/L Prepared: 04 mg/L Prepared: 04 mg/L prepared: 04 | Level 4/24/24 07:1 4/24/24 07:1 0.100 0.100 4/24/24 07:1 0.100 0.100 4/24/24 07:1 | Result 6 Analyzed: 6 Analyzed: 0.0214 0.0221 6 Analyzed: | 04/25/24 2 04/25/24 2 100 104 04/25/24 2 99.7 108 04/25/24 2 | 2:31 2:37 80-120 80-120 2:49 75-125 75-125 2:56 | | Limit | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) Arsenic, total Cobalt, total LCS (1HD1412-BS1) Arsenic, total Cobalt, total Matrix Spike (1HD1412-MS1) Arsenic, total Cobalt, total Matrix Spike Dup (1HD1412-MSD1) Arsenic, total | Recoverable Metals <0.0040 <0.0004 0.100 0.104 Source: 0.121 0.130 Source: 0.120 0.129 | 0.0040 0.0004 0.0004 0.0004 1.1HD1511-01 0.0004 1.1HD1511-01 0.0040 | Prepared: 04 mg/L mg/L Prepared: 04 mg/L Prepared: 04 mg/L prepared: 04 mg/L Prepared: 04 mg/L | Level 4/24/24 07:1 0.100 0.100 0.100 0.100 0.100 4/24/24 07:1 0.100 0.100 0.100 0.100 0.100 | Result 6 Analyzed: 6 Analyzed: 0.0214 0.0221 6 Analyzed: 0.0214 0.0221 | 04/25/24 2 04/25/24 2 100 104 04/25/24 2 99.7 108 04/25/24 2 98.3 107 | 2:31 2:37 80-120 80-120 2:49 75-125 75-125 75-125 75-125 | 1.16 | Limit 20 | Notes |
| Batch 1HD1412 - EPA 3005A Total F Blank (1HD1412-BLK1) Arsenic, total Cobalt, total LCS (1HD1412-BS1) Arsenic, total Cobalt, total Matrix Spike (1HD1412-MS1) Arsenic, total Cobalt, total Matrix Spike Dup (1HD1412-MSD1) Arsenic, total Cobalt, total Cobalt, total Cobalt, total | Recoverable Metals <0.0040 <0.0004 0.100 0.104 Source: 0.121 0.130 Source: 0.120 0.129 | 0.0040 0.0004 0.0004 0.0004 1.1HD1511-01 0.0040 0.0004 1.1HD1511-01 0.0040 0.0004 | Prepared: 04 mg/L mg/L Prepared: 04 | Level 4/24/24 07:1 0.100 0.100 0.100 0.100 0.100 4/24/24 07:1 0.100 0.100 0.100 0.100 0.100 | Result 6 Analyzed: 6 Analyzed: 0.0214 0.0221 6 Analyzed: 0.0214 0.0221 | 04/25/24 2 04/25/24 2 100 104 04/25/24 2 99.7 108 04/25/24 2 98.3 107 | 2:31 2:37 80-120 80-120 2:49 75-125 75-125 75-125 75-125 | 1.16 | Limit 20 | Notes |



CERTIFICATE OF ANALYSIS

1HD1511

Definitions

B-06: Unseeded Blank equals .41mg/L

I-03: Analyte required to be analyzed within 15 minutes of sampling. Analysis performed upon receipt of sample at

laboratory.

I-05: Sample received at laboratory past hold time for this analyte.

QM-05: The spike recovery and/or RPD was outside acceptance limits for the MS and/or MSD due to matrix interference.

The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is

acceptable.

QM-13: The spike recovery was outside acceptance limits for the MS and/or MSD. Batch accepted based on acceptable

initial and continuing calibration results.

QR-02: 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.

RL: Reporting Limit

RPD: Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.8°C

Cooler Inspection Checklist

| Custody Seals | No | Containers Intact | Yes |
|------------------|-----|------------------------|-----|
| COC/Labels Agree | Yes | Preservation Confirmed | No |
| Received On Ice | Yes | | |

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

atheram urphy

Heather Murphy

Customer Relationship Specialist heather.murphy@microbac.com 05/31/24 11:21

Veystone LABORATORIES A Microbac Company

600 East 17th Street South

Newton, IA 50208 241 702 0454



HLW Engineering PM: Heather Murphy

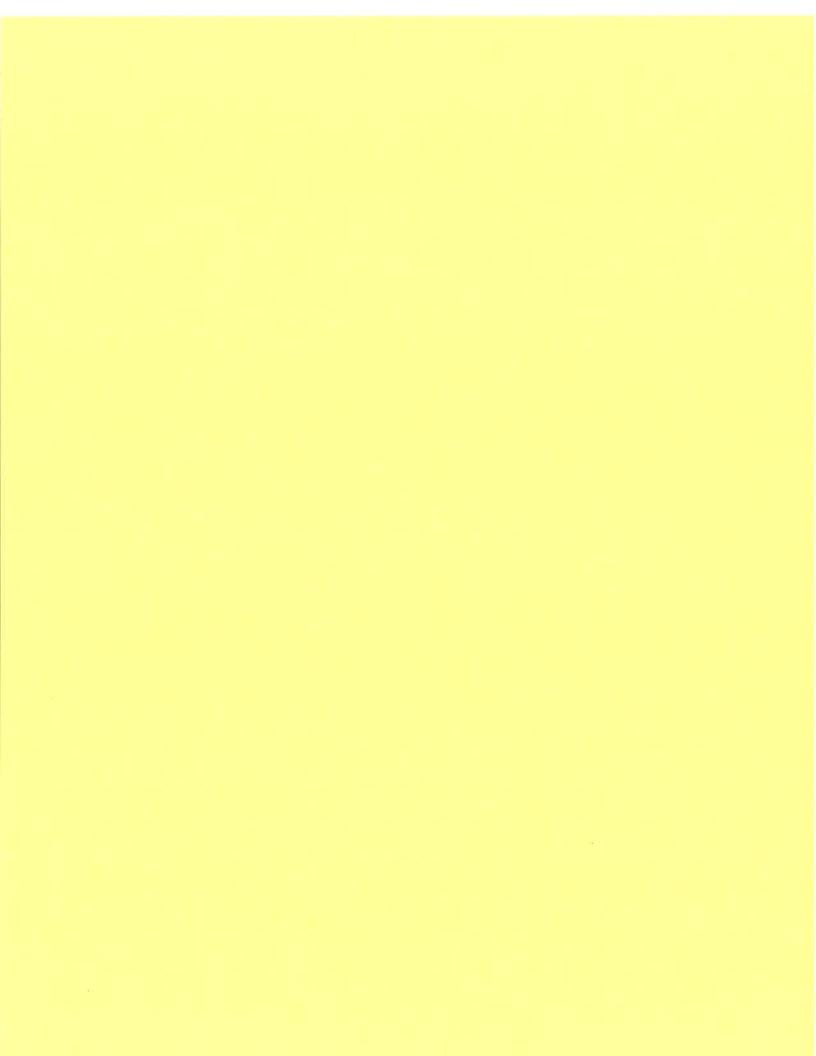
of 31 Page 4 of ын 3/20/2024 8:31:53A Б

www.keystonelab

| SITE | INFORMATION | | RE | PORT TO | | 1 | = AWOICE | | |
|--------|------------------------------------|--------|----------------|---|--------|-------------------------|--|---|----------------------|
| Sampl | ct: Marshall Cariftary Landfill-D1 | | HI W | l Whipple / Engineering Pox 214 / City, IA 502 | | | 2313 March | atak nunty Landfill nulltævn Blvd vn, iA 50156 | |
| Nor | round Time RUSH, need by/ | / | Work Tempe | Order Cooler: No | HD1511 | | COC/La | ers Intact bels Agree ation Confirmed | |
| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Ana | llyses | Lab Sample Number |
| -001 | LW-75 ₹ | Water | GRAB | 4/16/24 | 15:22 | 15 | alk-caco3-2320 bod-5210 cod-t-410.4 Indfill-app1-voc-group nh3-timberline so4-9056-w tss-i-3765-85 | as-t-6020 cl-9056-w co-t-6020 methane-astm-d1946 ph-9040 tds-i-1750-85 | ÒL |

Received By Date/Time Relinquished By Received for Lab By

Remarks: + please run all analyses if hold time has passed.





Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS 1HG1939

Project Description

6003

For:

Todd Whipple

HLW Engineering

PO Box 314

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Friday, August 2, 2024

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

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

Microbac Laboratories, Inc.



1HG1939

HLW Engineering

Project Name: 6003

Todd Whipple PO Box 314 Story City, IA 50248 Project / PO Number: N/A Received: 07/24/2024 Reported: 08/02/2024

Sample Summary Report

Sample NameLaboratory IDClient MatrixSample TypeSample BeginSample TakenLab ReceivedMW971HG1939-01AqueousGRAB07/18/24 14:5007/24/24 10:04



Analytical Testing Parameters

Client Sample ID:MW97Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HG1939-01Collection Date:07/18/2024 14:50

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|---------|--------|-------|----|------|---------------|---------------|---------|
| EPA 3005A/EPA 6020A | | | | | | | | |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 07/31/24 1544 | 08/01/24 2138 | RVV |



Batch Log Summary

| Method | | В | atch | Lab | oratory ID | | Client | / Source | ID | | | |
|----------------------|---------------------|----------|---------------|---------|-------------|--------------|--------------|------------|--------|------|-------|-------|
| EPA 6020A | | 1 | HG1686 | 1HG | 1686-BLK1 | | | | | | | |
| | | | | 1HG | 1686-BS1 | | | | | | | |
| | | | | 1HG | 1939-01 | | MW97 | | | | | |
| | | | | 1HG | 1686-MS1 | | 1HG20 | 76-02 | | | | |
| | | | | 1HG | 1686-MSD1 | | 1HG20 | 76-02 | | | | |
| | | | | 1HG | 1686-PS1 | | 1HG20 | 76-02 | | | | |
| Batch Quality Cor | ntrol Summary: Micr | obac Lab | oratories, In | c., New | ton | | | | | | | |
| | | | | | | Spike | Source | | %REC | | RPD | |
| Determination o | f Total Metals | Result | | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HG1686 - E | PA 3005A Total Rec | overable | Metals - EPA | 6020A | | | | | | | | |
| Blank (1HG1686-BLK | 1) | | | | Prepared: 0 | 7/31/24 15:4 | 4 Analyzed: | 08/01/24 2 | 21:26 | | | |
| Copper, total | | <0.0040 | | 0.0040 | mg/L | | | | | | | |
| LCS (1HG1686-BS1) | | | | | Prepared: 0 | 7/31/24 15:4 | 4 Analyzed: | 08/01/24 2 | 21:32 | | | |
| Copper, total | | 0.108 | | 0.0040 | mg/L | 0.100 | | 108 | 80-120 | | | |
| Matrix Spike (1HG168 | 36-MS1) | ; | Source: 1HG20 | 76-02 | Prepared: 0 | 7/31/24 15:4 | l4 Analyzed: | 08/01/24 2 | 22:03 | | | |
| Copper, total | | 0.141 | | 0.0040 | mg/L | 0.100 | 0.0456 | 95.9 | 75-125 | | | |
| Matrix Spike Dup (1H | G1686-MSD1) | ; | Source: 1HG20 | 76-02 | Prepared: 0 | 7/31/24 15:4 | 4 Analyzed: | 08/01/24 2 | 22:09 | | | |
| Copper, total | | 0.143 | | 0.0040 | mg/L | 0.100 | 0.0456 | 97.6 | 75-125 | 1.19 | 20 | |
| Post Spike (1HG1686 | -PS1) | ; | Source: 1HG20 | 76-02 | Prepared: 0 | 7/31/24 15:4 | 4 Analyzed: | 08/01/24 2 | 22:15 | | | |
| Copper, total | | 0.120 | | | mg/L | 0.0800 | 0.0447 | 94.8 | 80-120 | | | |
| Definitions | | | | | | | | | | | | |
| RL: | Reporting Limit | | | | | | | | | | | |
| RPD: | Relative Percent Di | fference | | | | | | | | | | |
| Cooler Receipt Lo | g | | | | | | | | | | | |
| Cooler ID: | Default Cooler | | Temp: | 0.0°C | | | | | | | | |
| Cooler Inspection | Checklist | | | | | | | | | | | |
| Custody Seals | | | | N | o Con | tainers Inta | act | | | | | Yes |
| COC/Labels Agr | ree | | | Ye | es Pres | servation C | onfirmed | | | | | No |
| Received On Ice | • | | | Ye | es | | | | | | | |

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:

atheram urphy

Heather Murphy

Customer Relationship Specialist heather.murphy@microbac.com 08/02/24 16:39

CHAIN OF CHSTODY RECORD 600 E. 17th St. S. 30

LABORATORILLA, INC.

600 E. 17th St. S. Newton, IA 50208 Phone: 641-792-8451 Fax: 641-792-7989 30 Wa Ph Fa



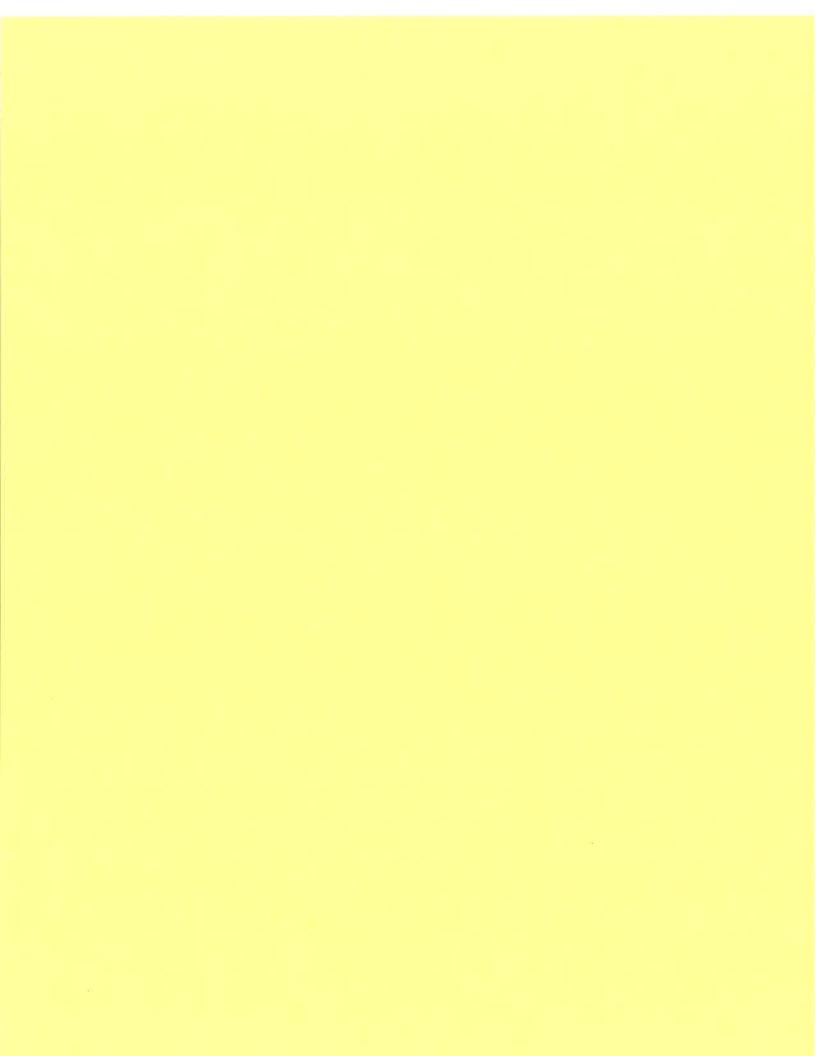
HLW Engineering
PM: Heather Murphy

| 205 E \ | VanBuren St |
|---------|-----------------|
| Center | ville, IA 52544 |
| Phone: | 641-437-7023 |
| Fax: | 641-437-7040 |

641-437-7040 PAGE OF

Page 5 of 5

| SAMPLER: | whipp all Co | SUF | | REPORT TO: NAME: COMPANY NAME: ADDRESS: CITY/ST/ZIP: PHONE: 5(5) FAX: | HLD B | * 3 CA | Eng 14 | inee | 502 | 48_ | ADDRE CITY/S' PHONE | NY NAM SS: [/ZIP: | Marshallto | allalatak, Mgv all Co SLF sy 217 Utown, IA 50158 | |
|----------------------------|-----------------|------------------|-------------------|---|-------------------|-----------|----------------|------------------|---------|------------------|--|-------------------------|--|---|--|
| CLIENT SAMPLE NUMBER | DATE | TIME | SAMP | LE LOCATION | NO. OF CONTAINERS | MATRIX | GRAB/COMPOSITE | Copper Total (A) | ANAL | YSES RI | EQUIRED | SAI | LAB USE ORATORY WORK ORDER | LABORATORY SAMPLE NUMBER | |
| 100 gy | 7-18-24 | 14:50 | M | w97 | 1 | W | 6 | X | _ | | | | mice | 01 | |
| | | | - L. T. M. | | | | | | _ | | | | | | |
| | | | | | _ | | | \vdash | + | - | | | | | |
| | | | | | _ | | | - | _ | - | | | | | |
| | | | | | | | | | _ | + | | | | | |
| | | | | | | | | \vdash | + | ++ | ++- | | | | |
| | | | | | _ | | | | + | ++ | | | | | |
| | | | | | _ | | \vdash | | + | ++ | | | | | |
| | | | | | - | | | | + | - | | | | | |
| | | | | | | 4 | | | \perp | | | | | | |
| Relinquished by: (Signatur | re) | Date 1/2 Time | Received Received | ved by: (Signature) | | Date | | | | rn-Aroun Stan | | | RushContact Lab | Prior to Submission | |
| Relinquished by: (Signatur | re) | Date Time | Receiv | yed for Lab by: (Signa | ture) | Date | A | 4-29 | / Re | marks: | ga (ga (r. 1974) (ga (r. 1 | | į. | | |
| | | | Y | Original - Lab | Сору | • Y | ellow | - Samp | ler Co | ру | | | | FORM: CCR 7-97 | |





Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS 1HJ1337

Project Description

6003

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

pasheram ur Dh

Customer Relationship Specialist

Friday, November 1, 2024

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

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

Microbac Laboratories, Inc.



HLW Engineering

Project Name: 6003

Todd Whipple 204 West Broad St Story City, IA 50248 Project / PO Number: N/A Received: 10/16/2024 Reported: 11/01/2024

Sample Summary Report

| Sample Name | Laboratory ID | Client Matrix | Sample Type | Sample Begin | Sample Taken | Lab Received |
|-------------|---------------|---------------|-------------|--------------|----------------|----------------|
| MW-85 (B) | 1HJ1337-01 | Aqueous | GRAB | | 10/15/24 11:33 | 10/16/24 10:26 |
| MW-98 (B) | 1HJ1337-02 | Aqueous | GRAB | | 10/15/24 14:53 | 10/16/24 10:26 |
| MW-99 (B) | 1HJ1337-03 | Aqueous | GRAB | | 10/15/24 10:10 | 10/16/24 10:26 |
| MW-49 | 1HJ1337-04 | Aqueous | GRAB | | 10/15/24 12:38 | 10/16/24 10:26 |
| MW-54 | 1HJ1337-05 | Aqueous | GRAB | | 10/15/24 12:20 | 10/16/24 10:26 |
| MW-81 | 1HJ1337-06 | Aqueous | GRAB | | 10/15/24 15:48 | 10/16/24 10:26 |
| MW-87 | 1HJ1337-07 | Aqueous | GRAB | | 10/15/24 15:36 | 10/16/24 10:26 |
| MW-89 | 1HJ1337-08 | Aqueous | GRAB | | 10/15/24 15:20 | 10/16/24 10:26 |
| MW-91 | 1HJ1337-09 | Aqueous | GRAB | | 10/15/24 15:09 | 10/16/24 10:26 |
| MW-93 | 1HJ1337-10 | Aqueous | GRAB | | 10/15/24 09:53 | 10/16/24 10:26 |
| MW-94 | 1HJ1337-11 | Aqueous | GRAB | | 10/15/24 12:03 | 10/16/24 10:26 |
| MW-95 | 1HJ1337-12 | Aqueous | GRAB | | 10/15/24 11:07 | 10/16/24 10:26 |
| MW-96R | 1HJ1337-13 | Aqueous | GRAB | | 10/15/24 13:59 | 10/16/24 10:26 |
| MW-97 | 1HJ1337-14 | Aqueous | GRAB | | 10/15/24 11:49 | 10/16/24 10:26 |
| Duplicate | 1HJ1337-15 | Aqueous | GRAB | | 10/15/24 00:00 | 10/16/24 10:26 |
| LW-75 | 1HJ1337-16 | Aqueous | GRAB | | 10/15/24 13:07 | 10/16/24 10:26 |



Analytical Testing Parameters

Client Sample ID: MW-85 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-01

Collected By: Whipple, Todd
Collection Date: 10/15/2024 11:33

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | Q3 | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/22/24 0000 | 10/22/24 1355 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |



Client Sample ID:MW-85 (B)Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-01Collection Date:10/15/2024 11:33

| Compounds Styrene <1.0 1.0 0 Bromoform <1.0 1.0 0 1,2,3-Trichloropropane <1.0 1.0 0 trans-1,4-Dichloro-2-butene <5.0 5.0 0 1,1,2,2-Tetrachloroethane <1.0 1.0 0 | Jnits | DF | Note | Prepared | A 1 | |
|---|-------|----|------|---------------|---------------|--------|
| Bromoform <1.0 1.0 0 1,2,3-Trichloropropane <1.0 1.0 0 trans-1,4-Dichloro-2-butene <5.0 5.0 0 1,1,2,2-Tetrachloroethane <1.0 1.0 0 | | | | . repared | Analyzed | Analys |
| 1,2,3-Trichloropropane <1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| trans-1,4-Dichloro-2-butene <5.0 5.0 to 1,1,2,2-Tetrachloroethane <1.0 1.0 to 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,1,2,2-Tetrachloroethane <1.0 1.0 u | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| , , , | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 4.4 B) 11 1 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,4-Dichlorobenzene <1.0 1.0 u | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,2-Dichlorobenzene <1.0 1.0 u | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| 1,2-Dibromo-3-chloropropane <5.0 5.0 u | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Surrogate: Dibromofluoromethane 97.1 Limit: 75-136 % | 6 Rec | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Surrogate: Dibromofluoromethane 98.3 Limit: 57-134 % | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1355 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 103 Limit: 53-140 % | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1355 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 98.4 Limit: 61-142 % | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Surrogate: Toluene-d8 93.0 Limit: 86-114 % | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1355 | CSM |
| Surrogate: Toluene-d8 97.1 Limit: 82-121 % | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Surrogate: 4-Bromofluorobenzene 99.4 Limit: 78-121 % | 6 Rec | 1 | | 10/22/24 0000 | 10/22/24 1355 | CSM |
| Surrogate: 4-Bromofluorobenzene 95.9 Limit: 80-116 % | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2059 | BDF |
| Determination of Total Metals Result RL U | Jnits | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | |
| Antimony, total <0.0020 0.0020 m | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| Arsenic, total <0.0040 0.0040 m | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| Barium, total 0.136 0.0040 m | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| Beryllium, total <0.0040 0.0040 m | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| Cadmium, total <0.0008 0.0008 m | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| Chromium, total <0.0080 0.0080 m | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| Cobalt, total <0.0004 0.0004 m | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| Nickel, total <0.0040 0.0040 m | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |
| | ng/L | 4 | | 10/17/24 1551 | 10/18/24 2318 | RVV |



Client Sample ID: MW-98 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-02

Collected By: Whipple, Todd
Collection Date: 10/15/2024 14:53

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | Q3 | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/22/24 0000 | 10/22/24 1418 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |



Client Sample ID:MW-98 (B)Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-02Collection Date:10/15/2024 14:53

| Lab Sample ID: 1HJ1337-02 | | | | | Collection | Date: 10/15/ | 2024 14:53 | |
|--|----------|---------------|-------|----|------------|---------------|--------------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Surrogate: Dibromofluoromethane | 98.4 | Limit: 57-134 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1418 | CSM |
| Surrogate: Dibromofluoromethane | 96.9 | Limit: 75-136 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 104 | Limit: 53-140 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1418 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 98.3 | Limit: 61-142 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Surrogate: Toluene-d8 | 93.1 | Limit: 86-114 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1418 | CSM |
| Surrogate: Toluene-d8 | 97.1 | Limit: 82-121 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Surrogate: 4-Bromofluorobenzene | 96.0 | Limit: 80-116 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2122 | BDF |
| Surrogate: 4-Bromofluorobenzene | 99.4 | Limit: 78-121 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1418 | CSM |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Arsenic, total | < 0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Barium, total | 0.137 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Cobalt, total | 0.0019 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/18/24 2355 | RVV |
| | 0.0200 | 0.0200 | ···ə- | • | | | . 3, . 0, 2 . 2000 | |



Client Sample ID: MW-99 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-03

Collected By: Whipple, Todd
Collection Date: 10/15/2024 10:10

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
|--|--------|------|-------|----|------|---------------|---------------|--------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | Q3 | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/22/24 0000 | 10/22/24 1441 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |



Client Sample ID:MW-99 (B)Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-03Collection Date:10/15/2024 10:10

| Lab Sample ID: 1HJ1337-03 | | | | | Collection | Date: 10/15/ | 2024 10:10 | |
|--|---------|---------------|-------|----|------------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Surrogate: Dibromofluoromethane | 96.8 | Limit: 75-136 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Surrogate: Dibromofluoromethane | 98.4 | Limit: 57-134 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1441 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 98.8 | Limit: 61-142 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 104 | Limit: 53-140 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1441 | CSM |
| Surrogate: Toluene-d8 | 97.2 | Limit: 82-121 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Surrogate: Toluene-d8 | 94.5 | Limit: 86-114 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1441 | CSM |
| Surrogate: 4-Bromofluorobenzene | 96.1 | Limit: 80-116 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2145 | BDF |
| Surrogate: 4-Bromofluorobenzene | 98.4 | Limit: 78-121 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1441 | CSM |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Barium, total | 0.0888 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Cobalt, total | 0.0009 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0001 | RVV |
| | -0.0200 | 0.0200 | 9/ - | 7 | | 10/11/24 1001 | 13/13/24 3001 | 1 X V |



Client Sample ID: MW-49
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-04

Collected By: Whipple, Todd
Collection Date: 10/15/2024 12:38

| Analyses Performed by: M | ⁄licrobac Laboratories | Inc., - Marietta, OH |
|--------------------------|------------------------|----------------------|
|--------------------------|------------------------|----------------------|

| Volatile Organic Compounds by GCMS | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|------------------------------------|--------|------|-------|----|------|---------------|---------------|---------|
| EPA RSK-175 | | | | | | | | |
| Methane | 4770 | 100 | ug/L | 20 | D3 | 10/23/24 1040 | 10/23/24 1548 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | 1 | | 10/22/24 1401 | 10/22/24 1553 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | 1 | | 10/22/24 1401 | 10/22/24 1553 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Chloroethane | 5.5 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | Q3 | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/22/24 0000 | 10/22/24 1503 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,1-Dichloroethane | 1.2 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Benzene | 3.7 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |



Client Sample ID:MW-49Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-04Collection Date:10/15/2024 12:38

| Lab Sample ID: 1HJ1337-04 | | | | | Collection | Date: 10/15/ | 2024 12:38 | |
|--|---------|---------------|-------|----|------------|---------------|---------------|---------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Chlorobenzene | 1.1 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,4-Dichlorobenzene | 7.9 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Surrogate: Dibromofluoromethane | 97.5 | Limit: 57-134 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1503 | CSM |
| Surrogate: Dibromofluoromethane | 96.5 | Limit: 75-136 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 98.7 | Limit: 61-142 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 104 | Limit: 53-140 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1503 | CSM |
| Surrogate: Toluene-d8 | 97.3 | Limit: 82-121 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Surrogate: Toluene-d8 | 95.2 | Limit: 86-114 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1503 | CSM |
| Surrogate: 4-Bromofluorobenzene | 97.2 | Limit: 80-116 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2208 | BDF |
| Surrogate: 4-Bromofluorobenzene | 99.4 | Limit: 78-121 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1503 | CSM |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| 2320B | | | | | | | | |
| Alkalinity, as CaCO3 | 1170 | 50 | mg/L | 1 | | 10/18/24 1042 | 10/18/24 1458 | BSS |
| EPA 9040 | | | · · | | | | | |
| рН | 6.3 | 0.5 | рН | 1 | H4 | | 10/21/24 0916 | BSS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Arsenic, total | 0.520 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Barium, total | 0.213 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Cobalt, total | 0.0669 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Nickel, total | 0.0339 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| | 0.000 | 0.0040 | 9, ⊏ | 7 | | 10/11/24 1001 | 10,10,24 0001 | 1 4 V V |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HJ1337

Client Sample ID:MW-49Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-04Collection Date:10/15/2024 12:38

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|---------|--------|-------|----|------|---------------|---------------|---------|
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0007 | RVV |



Client Sample ID: MW-54
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-05

Collected By: Whipple, Todd
Collection Date: 10/15/2024 12:20

| Volatile Organic Compounds by GCMS | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|------------------------------------|--------|------|-------|----|------|---------------|---------------|---------|
| EPA RSK-175 | | | | | | | | |
| Methane | 78.0 | 5.00 | ug/L | 1 | | 10/23/24 1040 | 10/23/24 1441 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | 1 | | 10/22/24 1401 | 10/22/24 1607 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | 1 | | 10/22/24 1401 | 10/22/24 1607 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | Q3 | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/22/24 0000 | 10/22/24 1526 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |



Client Sample ID:MW-54Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-05Collection Date:10/15/2024 12:20

| Lab Sample ID: 1HJ1337-05 | | | | | Collection | Date: 10/15/ | 2024 12:20 | |
|--|---------|---------------|-------|----|------------|---------------|---------------|---------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,4-Dichlorobenzene | 2.9 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | _ | 1 | | | | BDF |
| , | | | ug/L | | | 10/17/24 0000 | 10/17/24 2231 | |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Surrogate: Dibromofluoromethane | 97.9 | Limit: 57-134 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1526 | CSM |
| Surrogate: Dibromofluoromethane | 96.9 | Limit: 75-136 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 97.8 | Limit: 61-142 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 104 | Limit: 53-140 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1526 | CSM |
| Surrogate: Toluene-d8 | 94.5 | Limit: 86-114 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1526 | CSM |
| Surrogate: Toluene-d8 | 97.0 | Limit: 82-121 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Surrogate: 4-Bromofluorobenzene | 97.0 | Limit: 80-116 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2231 | BDF |
| Surrogate: 4-Bromofluorobenzene | 99.3 | Limit: 78-121 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1526 | CSM |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| 2320B | | | | | | | | |
| Alkalinity, as CaCO3 | 612 | 50 | mg/L | 1 | | 10/18/24 1042 | 10/18/24 1458 | BSS |
| EPA 9040 | | | | | | | | |
| рН | 6.4 | 0.5 | рН | 1 | H4 | | 10/21/24 0916 | BSS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Arsenic, total | 0.0054 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Barium, total | 0.481 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Cobalt, total | 0.0099 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| | | 0.0040 | | | | 10/17/24 1551 | | |
| Nickel, total | 0.0226 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |



1HJ1337

Client Sample ID:MW-54Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-05Collection Date:10/15/2024 12:20

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|---------|--------|-------|----|------|---------------|---------------|---------|
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0013 | RVV |



Client Sample ID: MW-81
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-06

Collected By: Whipple, Todd
Collection Date: 10/15/2024 15:48

| Volatile Organic Compounds by GCMS | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|------------------------------------|--------|------|-------|----|------|---------------|---------------|---------|
| EPA RSK-175 | | | | | | | | |
| Methane | 560 | 5.00 | ug/L | 1 | | 10/22/24 1401 | 10/22/24 1620 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | 1 | | 10/22/24 1401 | 10/22/24 1620 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | 1 | | 10/22/24 1401 | 10/22/24 1620 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Vinyl Chloride | 6.5 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Chloroethane | 6.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | Q3 | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/22/24 0000 | 10/22/24 1548 | CSM |
| trans-1,2-Dichloroethylene | 2.4 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,1-Dichloroethane | 24.8 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| cis-1,2-Dichloroethylene | 127 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,2-Dichloroethane | 11.2 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Trichloroethylene | 2.2 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,2-Dichloropropane | 6.9 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |



Client Sample ID:MW-81Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-06Collection Date:10/15/2024 15:48

| Lab Sample ID: 1HJ1337-06 | | | | | Collection | Date: 10/15/ | 2024 15:48 | |
|---|---------|---------------|-------|----|------------|---------------|---------------|---------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Chlorobenzene | 1.8 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Bromoform | <1.0 | | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,4-Dichlorobenzene | 5.6 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Surrogate: Dibromofluoromethane | 97.2 | Limit: 57-134 | % Rec | 1 | | 10/17/24 0000 | 10/22/24 1548 | CSM |
| Surrogate: Dibromofluoromethane | 96.5 | Limit: 75-136 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | Limit: 53-140 | % Rec | 1 | | 10/17/24 0000 | 10/22/24 1548 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 97.8 | Limit: 61-142 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Surrogate: Toluene-d8 | 98.0 | Limit: 82-121 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Surrogate: Toluene-d8 | 95.5 | Limit: 86-114 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1548 | CSM |
| Surrogate: 4-Bromofluorobenzene | 98.2 | Limit: 78-121 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1548 | CSM |
| Surrogate: 4-Bromofluorobenzene | 95.9 | Limit: 80-116 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2254 | BDF |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| 2320B | | | | | | | | |
| Alkalinity, as CaCO3 | 907 | 50 | mg/L | 1 | | 10/18/24 1042 | 10/18/24 1458 | BSS |
| EPA 9040 | | | | | | | | |
| рН | 6.3 | 0.5 | рН | 1 | H4 | | 10/21/24 0916 | BSS |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Arsenic, total | 0.0060 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Barium, total | 1.58 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Beryllium, total | <0.0040 | | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Cadmium, total | <0.0008 | | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Chromium, total | <0.0080 | | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Cobalt, total | 0.0082 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Lead, total | <0.0040 | | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Nickel, total | 0.0094 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| i iionoi, totai | 0.0034 | 0.0040 | mg/L | 7 | | 10/11/27 1001 | 10/10/24 0020 | 1 (V V |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HJ1337

Client Sample ID:MW-81Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-06Collection Date:10/15/2024 15:48

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|----------|--------|-------|----|------|---------------|---------------|---------|
| Selenium, total | < 0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0020 | RVV |



Client Sample ID: MW-87
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-07

Collected By: Whipple, Todd
Collection Date: 10/15/2024 15:36

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
|---|--------|------|-------|----|------|---------------|---------------|--------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | Q3 | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/22/24 0000 | 10/22/24 1611 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |



Client Sample ID:MW-87Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-07Collection Date:10/15/2024 15:36

| Lab Sample ID: 1HJ1337-07 | | | | | Collection | Date: 10/15 | /2024 15:36 | |
|---|--|--|--|----------------------------|------------|---|---|---------------------------------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Surrogate: Dibromofluoromethane | 97.9 | Limit: 57-134 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1611 | CSM |
| Surrogate: Dibromofluoromethane | 97.4 | Limit: 75-136 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | Limit: 53-140 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1611 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 99.1 | Limit: 61-142 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Surrogate: Toluene-d8 | 94.0 | Limit: 86-114 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1611 | CSM |
| Surrogate: Toluene-d8 | 96.8 | Limit: 82-121 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Surrogate: 4-Bromofluorobenzene | 99.2 | Limit: 78-121 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1611 | CSM |
| Surrogate: 4-Bromofluorobenzene | 96.2 | Limit: 80-116 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2316 | BDF |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0026 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0026 | RVV |
| Barium, total | 0.100 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0026 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0026 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | m a /I | 4 | | 10/17/24 1551 | 10/19/24 0026 | RVV |
| | ~0.0000 | 0.0006 | mg/L | 4 | | 10/11/24 1001 | 10/10/21 0020 | |
| Chromium, total | <0.0080 | 0.0008 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0026 | RVV |
| Chromium, total Cobalt, total | | | - | | | | | RVV RVV |
| | <0.0080 | 0.0080 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0026 | |
| Cobalt, total | <0.0080 <0.0004 | 0.0080 0.0004 | mg/L mg/L | 4 4 | | 10/17/24 1551 10/17/24 1551 | 10/19/24 0026 10/19/24 0026 | RVV |
| Cobalt, total Copper, total | <0.0080 <0.0004 <0.0040 | 0.0080 0.0004 0.0040 | mg/L mg/L mg/L | 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0026 10/19/24 0026 10/19/24 0026 | RVV RVV |
| Cobalt, total Copper, total Lead, total | <0.0080 <0.0004 <0.0040 <0.0040 | 0.0080 0.0004 0.0040 0.0040 | mg/L mg/L mg/L mg/L | 4 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0026 10/19/24 0026 10/19/24 0026 10/19/24 0026 | RVV RVV RVV |
| Cobalt, total Copper, total Lead, total Nickel, total | <0.0080 <0.0004 <0.0040 <0.0040 <0.0040 | 0.0080 0.0004 0.0040 0.0040 0.0040 | mg/L mg/L mg/L mg/L mg/L | 4 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0026 10/19/24 0026 10/19/24 0026 10/19/24 0026 10/19/24 0026 | RVV RVV RVV |
| Cobalt, total Copper, total Lead, total Nickel, total Selenium, total | <0.0080 <0.0004 <0.0040 <0.0040 <0.0040 | 0.0080 0.0004 0.0040 0.0040 0.0040 | mg/L mg/L mg/L mg/L mg/L mg/L | 4 4 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0026 10/19/24 0026 10/19/24 0026 10/19/24 0026 10/19/24 0026 10/19/24 0026 | RVV RVV RVV RVV |
| Cobalt, total Copper, total Lead, total Nickel, total Selenium, total Silver, total | <0.0080 <0.0004 <0.0040 <0.0040 <0.0040 <0.0040 | 0.0080 0.0004 0.0040 0.0040 0.0040 0.0040 | mg/L mg/L mg/L mg/L mg/L | 4 4 4 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0026 10/19/24 0026 10/19/24 0026 10/19/24 0026 10/19/24 0026 10/19/24 0026 10/19/24 0026 | RVV RVV RVV RVV RVV |



Client Sample ID: MW-89
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-08

Collected By: Whipple, Todd
Collection Date: 10/15/2024 15:20

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | Q3 | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/22/24 0000 | 10/22/24 1634 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |



Client Sample ID:MW-89Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-08Collection Date:10/15/2024 15:20

| Lab Sample ID: 1HJ1337-08 | | | | | Collection | Date: 10/15/ | 2024 15:20 | |
|--|----------|---------------|-------|----|------------|---------------|---------------|---------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Surrogate: Dibromofluoromethane | 96.6 | Limit: 75-136 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Surrogate: Dibromofluoromethane | 98.4 | Limit: 57-134 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1634 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 99.0 | Limit: 61-142 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 104 | Limit: 53-140 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1634 | CSM |
| Surrogate: Toluene-d8 | 97.2 | Limit: 82-121 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Surrogate: Toluene-d8 | 94.6 | Limit: 86-114 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1634 | CSM |
| Surrogate: 4-Bromofluorobenzene | 95.9 | Limit: 80-116 | % Rec | 1 | | 10/17/24 0000 | 10/17/24 2339 | BDF |
| Surrogate: 4-Bromofluorobenzene | 99.4 | Limit: 78-121 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1634 | CSM |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Arsenic, total | < 0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Barium, total | 0.215 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0032 | RVV |
| | -0.0200 | 0.0200 | 9/ - | 7 | | 10/11/24 1001 | 13/13/24 3032 | 1 () (|



Client Sample ID: MW-91
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-09

Collected By: Whipple, Todd
Collection Date: 10/15/2024 15:09

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Chloromethane | Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--|--------|------|-------|----|------|---------------|---------------|---------|
| Vinyl Chloride <1.0 1.0 uglt 1 10117724 0000 101824 002 BBF Bromonethane <1.0 | EPA 5030B/EPA 8260B | | | | | | | | |
| Vinyl Chloride <1.0 1.0 uglt 1 1011724 000 101824 002 BDF Bromomethane <1.0 1.0 uglt 1 1017724 000 104824 002 BDF Chlorotethane <1.0 1.0 uglt 1 1017724 000 104824 002 BDF Trichlorotethylene <1.0 1.0 uglt 1 1017724 000 104824 002 BDF Acetone <1.00 1.0 uglt 1 1017724 000 104824 002 BDF Methyl Iodide <1.0 1.0 uglt 1 017724 000 104824 002 BDF Actylonitile <1.0 1.0 uglt 1 101724 000 10424 002 BDF Actylonitile <1.0 1.0 uglt 1 101724 000 102224 100 102224 100 102224 100 102224 | Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Bromomethane | Vinyl Chloride | <1.0 | 1.0 | • | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Trichlorofluoromethane | Bromomethane | <1.0 | 1.0 | • | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Trichlorofloromethane <1,0 ug/L 1 1017/24 000 101824 002 BDF 1,1-Dichloroethylene <1,0 ug/L 1 1017/24 000 101824 002 BDF Acetone <10,0 10,0 ug/L 1 1017/24 000 101824 002 BDF Methyl Iodide <1,0 10,0 ug/L 1 1017/24 000 101824 002 BDF Carbon Disulfide <1,0 ug/L 1 1017/24 000 101824 002 BDF Acrylontifile <5,0 5,0 ug/L 1 1017/72 000 101824 002 BDF Acrylontifile <5,0 5,0 ug/L 1 1017/72 000 101824 002 BDF Acrylontifile <5,0 5,0 ug/L 1 1017/72 000 101824 002 BDF Acrylontifile <5,0 5,0 ug/L 1 1017/72 000 101824 002 BDF Lynly Acetale <5,0 ug/L 1 1017/72 000 101824 002 BDF | Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Acetone | Trichlorofluoromethane | <1.0 | 1.0 | | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Methyl lodide | 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Carbon Disulfide | Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Methylene Chloride | Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Acryonitrile | Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | Q3 | 10/17/24 0000 | 10/18/24 0002 | BDF |
| trans-1,2-Dichloroethylene <1.0 ug/L 1 01/17/24 0000 10/18/24 0002 BBF 1,1-Dichloroethane <1.0 | Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 1,1-Dichloroethane <1.0 | Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/22/24 0000 | 10/22/24 1656 | CSM |
| Vinyl Acetate 45.0 5.0 ug/L 1 10171724 000 1018/24 0002 BDF cis-1,2-Dichloroethylene 41.0 1.0 ug/L 1 1017724 000 1018/24 0002 BDF 2-Butanone (MEK) 41.0 10.0 ug/L 1 1017724 000 1018/24 0002 BDF Pormochloromethane 41.0 10.0 ug/L 1 1017724 000 1018/24 0002 BDF Chloroform 41.0 1.0 ug/L 1 1017724 000 1018/24 0002 BDF 1,1,1-Trichloroethane 41.0 1.0 ug/L 1 1017724 000 1018/24 0002 BDF Carbon Tetrachloride 41.0 1.0 ug/L 1 1017724 000 1018/24 0002 BDF 1,2-Dichloroethane 41.0 1.0 ug/L 1 1017724 000 1018/24 0002 BDF 1,2-Dichloroethane 41.0 1.0 ug/L 1 1017724 000 1018/24 0002 BDF 1,2-Dichloroethane 41.0 | trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| cis-1,2-Dichloroethylene <1.0 ug/L 1 10/17/24 000 10/18/24 0002 BB 2-Butanone (MEK) <10.0 | 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 2-Butanone (MEK) <10.0 10.0 ug/L 1 10/17/24 000 10/18/24 002 BD Bromochloromethane <1.0 | Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Bromochloromethane | cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Chloroform | 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 1,1,1-Trichloroethane <1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BD Carbon Tetrachloride <1.0 | Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Carbon Tetrachloride < 1.0 ug/L 1 10/17/24 000 10/18/24 0002 BD Benzene <1.0 | Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Benzene | 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 1,2-Dichloroethane <1.0 1.0 ug/L 1 10/17/24 000 10/18/24 0002 BDF Trichloroethylene <1.0 | Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Trichloroethylene < 1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BD 1,2-Dichloropropane < 1.0 | Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 1,2-Dichloropropane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BD Dibromomethane <1.0 | 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Dibromomethane | Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Bromodichloromethane | 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| cis-1,3-Dichloropropene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 4-Methyl-2-pentanone (MIBK) <5.0 5.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Toluene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF trans-1,3-Dichloropropene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,2-Trichloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Tetrachloroethylene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 2-Hexanone (MBK) <5.0 5.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,2-Dibromoethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Chlorobenzene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloro | Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 4-Methyl-2-pentanone (MIBK) | Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Toluene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF trans-1,3-Dichloropropene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,2-Trichloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,2-Trichloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 2-Hexanone (MBK) <5.0 5.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Dibromochloromethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,2-Dibromoethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,2-Dibromoethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,2-Dibromoethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,1,2-Tetrachloroethane | cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| trans-1,3-Dichloropropene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,2-Trichloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Tetrachloroethylene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 2-Hexanone (MBK) <5.0 5.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Dibromochloromethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,2-Dibromoethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,2-Dibromoethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane 10/18/24 0002 BDF 1,1,1,1,2-Tetrachloroethane 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane 10/18/ | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 1,1,2-Trichloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Tetrachloroethylene <1.0 | Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Tetrachloroethylene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 2-Hexanone (MBK) <5.0 5.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Dibromochloromethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,2-Dibromoethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,2-Dibromoethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Ethylbenzene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Xylenes, total <2.0 2.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Styrene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF | trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 2-Hexanone (MBK) | 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Dibromochloromethane <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,2-Dibromoethane <1.0 | Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 1,2-Dibromoethane <1.0 | 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Chlorobenzene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF 1,1,1,2-Tetrachloroethane <1.0 | Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 1,1,1,2-Tetrachloroethane <1.0 | 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Ethylbenzene <1.0 | Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Xylenes, total <2.0 2.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF Styrene <1.0 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Styrene <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF | Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| · | Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Bromoform <1.0 1.0 ug/L 1 10/17/24 0000 10/18/24 0002 BDF | Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| | Bromoform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |



Client Sample ID:MW-91Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-09Collection Date:10/15/2024 15:09

| Lab Sample ID: 1HJ1337-09 | | | | | Collection | Date: 10/15/ | 2024 15:09 | |
|---|----------|---------------|-------|----|------------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Surrogate: Dibromofluoromethane | 97.5 | Limit: 57-134 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1656 | CSM |
| Surrogate: Dibromofluoromethane | 97.8 | Limit: 75-136 | % Rec | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 98.7 | Limit: 61-142 | % Rec | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | Limit: 53-140 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1656 | CSM |
| Surrogate: Toluene-d8 | 94.5 | Limit: 86-114 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1656 | CSM |
| Surrogate: Toluene-d8 | 98.0 | Limit: 82-121 | % Rec | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Surrogate: 4-Bromofluorobenzene | 95.7 | Limit: 80-116 | % Rec | 1 | | 10/17/24 0000 | 10/18/24 0002 | BDF |
| Surrogate: 4-Bromofluorobenzene | 97.9 | Limit: 78-121 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1656 | CSM |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Barium, total | 0.242 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Lead, total | < 0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |
| , | | | | | | | J | |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0038 | RVV |



Client Sample ID: MW-93
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-10

Collected By: Whipple, Todd
Collection Date: 10/15/2024 9:53

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | Q3 | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/22/24 0000 | 10/22/24 1719 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |



Client Sample ID:MW-93Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-10Collection Date:10/15/2024 9:5

| | | | | | Collection | Date. 10/13/. | 2024 9:53 | |
|---|---|--|--|---------------------------------|------------|--|---|--|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Surrogate: Dibromofluoromethane | 96.5 | Limit: 57-134 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1719 | CSM |
| Surrogate: Dibromofluoromethane | 96.7 | Limit: 75-136 | % Rec | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | Limit: 53-140 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1719 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 98.4 | Limit: 61-142 | % Rec | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Surrogate: Toluene-d8 | 95.0 | Limit: 86-114 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1719 | CSM |
| Surrogate: Toluene-d8 | 97.5 | Limit: 82-121 | % Rec | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Surrogate: 4-Bromofluorobenzene | 99.6 | Limit: 78-121 | % Rec | 1 | | 10/22/24 0000 | 10/22/24 1719 | CSM |
| Surrogate: 4-Bromofluorobenzene | 97.2 | Limit: 80-116 | % Rec | 1 | | 10/17/24 0000 | 10/18/24 0024 | BDF |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0056 | RVV |
| Arsenic, total | 0.0152 | 0.0040 | | | | | | D) () (|
| | | 0.00-0 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0056 | RVV |
| Barium, total | 0.242 | 0.0040 | mg/L mg/L | 4 4 | | 10/17/24 1551 10/17/24 1551 | 10/19/24 0056 10/19/24 0056 | RVV |
| Barium, total Beryllium, total | 0.242 <0.0040 | | - | | | | | |
| , | | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0056 | RVV |
| Beryllium, total | <0.0040 | 0.0040 0.0040 | mg/L mg/L | 4 4 | | 10/17/24 1551 10/17/24 1551 | 10/19/24 0056 10/19/24 0056 | RVV RVV |
| Beryllium, total Cadmium, total | <0.0040 <0.0008 | 0.0040 0.0040 0.0008 | mg/L mg/L mg/L | 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0056 10/19/24 0056 10/19/24 0056 | RVV RVV RVV |
| Beryllium, total Cadmium, total Chromium, total | <0.0040 <0.0008 <0.0080 | 0.0040 0.0040 0.0008 0.0080 | mg/L mg/L mg/L mg/L | 4 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 | RVV RVV RVV |
| Beryllium, total Cadmium, total Chromium, total Cobalt, total | <0.0040 <0.0008 <0.0080 0.0099 | 0.0040 0.0040 0.0008 0.0080 0.0004 | mg/L mg/L mg/L mg/L mg/L | 4 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 | RVV RVV RVV RVV |
| Beryllium, total Cadmium, total Chromium, total Cobalt, total Copper, total | <0.0040 <0.0008 <0.0080 0.0099 <0.0040 | 0.0040 0.0040 0.0008 0.0080 0.0004 | mg/L mg/L mg/L mg/L mg/L | 4 4 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 | RVV RVV RVV RVV RVV |
| Beryllium, total Cadmium, total Chromium, total Cobalt, total Copper, total Lead, total | <0.0040 <0.0008 <0.0080 0.0099 <0.0040 <0.0040 | 0.0040 0.0040 0.0008 0.0080 0.0004 0.0040 | mg/L mg/L mg/L mg/L mg/L mg/L | 4 4 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 | RVV RVV RVV RVV RVV |
| Beryllium, total Cadmium, total Chromium, total Cobalt, total Copper, total Lead, total Nickel, total | <0.0040 <0.0008 <0.0080 0.0099 <0.0040 <0.0040 | 0.0040 0.0040 0.0008 0.0080 0.0004 0.0040 0.0040 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 4 4 4 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 | RVV RVV RVV RVV RVV RVV |
| Beryllium, total Cadmium, total Chromium, total Cobalt, total Copper, total Lead, total Nickel, total Selenium, total | <0.0040 <0.0008 <0.0080 0.0099 <0.0040 <0.0040 0.0271 | 0.0040 0.0040 0.0008 0.0080 0.0004 0.0040 0.0040 0.0040 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 4 4 4 4 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 | RVV RVV RVV RVV RVV RVV RVV |
| Beryllium, total Cadmium, total Chromium, total Cobalt, total Copper, total Lead, total Nickel, total Selenium, total Silver, total | <0.0040 <0.0008 <0.0080 0.0099 <0.0040 <0.0040 0.0271 <0.0040 <0.0040 | 0.0040 0.0040 0.0008 0.0080 0.0004 0.0040 0.0040 0.0040 0.0040 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 4 4 4 4 4 4 4 | | 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 10/17/24 1551 | 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 10/19/24 0056 | RVV RVV RVV RVV RVV RVV RVV RVV |



Client Sample ID: MW-94
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-11

Collected By: Whipple, Todd
Collection Date: 10/15/2024 12:03

| Volatile Organic Compounds by GCMS | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|------------------------------------|--------|------|-------|----|------|---------------|---------------|---------|
| EPA RSK-175 | | | | | | | | |
| Methane | 1380 | 25.0 | ug/L | 5 | D3 | 10/23/24 1040 | 10/23/24 1535 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | 1 | | 10/22/24 1401 | 10/22/24 1651 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | 1 | | 10/22/24 1401 | 10/22/24 1651 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Vinyl Chloride | 2.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Chloroethane | 3.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 1,1-Dichloroethane | 1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| cis-1,2-Dichloroethylene | 6.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Benzene | 1.8 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 1,2-Dichloropropane | 1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |



Client Sample ID:MW-94Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-11Collection Date:10/15/2024 12:03

| Result | | | | | | 10/15/2024 12:03 | |
|--------------------|--|---------------|--------|------|--------------------------------|--------------------------------|------------|
| Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <2.0 | 2.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <1.0 | 1.0 | - | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <5.0 | | - | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <1.0 | 1.0 | - | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <1.0 | 1.0 | • | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| <1.0 | 1.0 | | 1 | | 10/21/24 0000 | | CSM |
| <5.0 | 5.0 | - | 1 | | 10/21/24 0000 | | CSM |
| | | - | | | 10/21/24 0000 | | CSM |
| | Limit: 57-134 | % Rec | 1 | | | | CSM |
| 100 | Limit: 53-140 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 100 | Limit: 61-142 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 95.2 | Limit: 82-121 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 95.2 | Limit: 86-114 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 99.0 | Limit: 80-116 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| 99.0 | Limit: 78-121 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1621 | CSM |
| Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| | | | | | | | |
| 752 | 50 | mg/L | 1 | | 10/18/24 1042 | 10/18/24 1458 | BSS |
| | | | | | | | |
| 6.4 | 0.5 | рН | 1 | H4 | | 10/21/24 0916 | BSS |
| Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| | | | | | | | |
| <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0102 | RVV |
| 0.0758 | | | 4 | | 10/17/24 1551 | 10/19/24 0102 | RVV |
| 0.305 | 0.0040 | - | 4 | | 10/17/24 1551 | 10/19/24 0102 | RVV |
| <0.0040 | | | | | 10/17/24 1551 | 10/19/24 0102 | RVV |
| | | | | | | | RVV |
| | | | | | | | RVV |
| 0.0088 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0102 | RVV |
| | | ···· <u>·</u> | • | | | | • • |
| | 0.0040 | ma/L | 4 | | 10/17/24 1551 | 10/19/24 0102 | RVV |
| <0.0040 <0.0040 | 0.0040 0.0040 | mg/L mg/L | 4 4 | | 10/17/24 1551 10/17/24 1551 | 10/19/24 0102 10/19/24 0102 | RVV RVV |
| | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <5.0 <1.0 <1.0 <5.0 <1.0 <5.0 P6.0 100 100 100 95.2 95.2 99.0 99.0 Result 752 6.4 Result <0.0020 0.0758 0.305 | <1.0 | 1.0 | 1.0 | <pre><1.0</pre> | 1.0 | 1.0 |



1HJ1337

Client Sample ID:MW-94Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-11Collection Date:10/15/2024 12:03

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|---------|--------|-------|----|------|---------------|---------------|---------|
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0102 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0102 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0102 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0102 | RVV |
| Zinc, total | 0.0203 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0102 | RVV |



Client Sample ID: MW-95
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-12

Collected By: Whipple, Todd
Collection Date: 10/15/2024 11:07

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
|---|--------|------|-------|----|------|---------------|---------------|--------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM |



Client Sample ID:MW-95Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-12Collection Date:10/15/2024 11:07

| Lab Sample ID: 1HJ1337-12 | | | | | Collection | Date: 10/15/ | 10/15/2024 11:07 | | |
|---|---------|---------------|-------|----|------------|---------------|---------------------|--------|--|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| Surrogate: Dibromofluoromethane | 97.2 | Limit: 57-134 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| Surrogate: Dibromofluoromethane | 97.2 | Limit: 75-136 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| Surrogate: 1,2-Dichloroethane-d4 | 102 | Limit: 53-140 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| Surrogate: 1,2-Dichloroethane-d4 | 102 | Limit: 61-142 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| Surrogate: Toluene-d8 | 93.8 | Limit: 86-114 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| Surrogate: Toluene-d8 | 93.8 | Limit: 82-121 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| Surrogate: 4-Bromofluorobenzene | 97.1 | Limit: 78-121 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| Surrogate: 4-Bromofluorobenzene | 97.1 | Limit: 80-116 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1644 | CSM | |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys | |
| EPA 3005A/EPA 6020A | | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Barium, total | 0.0323 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0109 | RVV | |
| | 0.0200 | 0.0200 | ∍, = | • | | .5,, 21 1001 | . 5, . 5, 2 1 0 100 | | |



Client Sample ID: MW-96R
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-13

Collected By: Whipple, Todd
Collection Date: 10/15/2024 13:59

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |



Client Sample ID:MW-96RSample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-13Collection Date:10/15/2024 13:59

| Lab Sample ID: 1HJ1337-13 | | Date: 10/15/ | 10/15/2024 13:59 | | | | | |
|---|----------|---------------|------------------|----|------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Surrogate: Dibromofluoromethane | 97.0 | Limit: 75-136 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Surrogate: Dibromofluoromethane | 97.0 | Limit: 57-134 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 102 | Limit: 61-142 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 102 | Limit: 53-140 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Surrogate: Toluene-d8 | 94.1 | Limit: 82-121 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Surrogate: Toluene-d8 | 94.1 | Limit: 86-114 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Surrogate: 4-Bromofluorobenzene | 98.3 | Limit: 80-116 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Surrogate: 4-Bromofluorobenzene | 98.3 | Limit: 78-121 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1706 | CSM |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Arsenic, total | 0.0066 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Barium, total | 0.338 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Cobalt, total | 0.0105 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Lead, total | < 0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Nickel, total | 0.0046 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |
| | | | - | | | | | |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0115 | RVV |



Client Sample ID: MW-97
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-14

Collected By: Whipple, Todd
Collection Date: 10/15/2024 11:49

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
|--|--------|------|-------|----|------|---------------|---------------|--------|
| EPA 5030B/EPA 8260B | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Methyl lodide | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |



Client Sample ID:MW-97Sample Matrix:AqueousCollected By:Whipple, ToddLab Sample ID:1HJ1337-14Collection Date:10/15/2024 11:49

| Lab Sample ID: 1HJ1337-14 | | | Collection | ction Date: 10/15/2024 11:49 | | | | |
|---|---------|---------------|------------|------------------------------|------|---------------|---------------|--------|
| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Surrogate: Dibromofluoromethane | 99.4 | Limit: 75-136 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Surrogate: Dibromofluoromethane | 99.4 | Limit: 57-134 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 104 | Limit: 61-142 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 104 | Limit: 53-140 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Surrogate: Toluene-d8 | 95.1 | Limit: 82-121 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Surrogate: Toluene-d8 | 95.1 | Limit: 86-114 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Surrogate: 4-Bromofluorobenzene | 98.8 | Limit: 80-116 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Surrogate: 4-Bromofluorobenzene | 98.8 | Limit: 78-121 | % Rec | 1 | | 10/21/24 0000 | 10/21/24 1729 | CSM |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analys |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Barium, total | 0.274 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0121 | RVV |
| • | | | | | | | | |



Client Sample ID: Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-15

Collected By: Whipple, Todd
Collection Date: 10/15/2024

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|---------|--------|-------|----|------|---------------|---------------|---------|
| EPA 3005A/EPA 6020A | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Barium, total | 0.0272 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0127 | RVV |



Client Sample ID: LW-75
Sample Matrix: Aqueous
Lab Sample ID: 1HJ1337-1

Collected By: Whipple, Todd
Collection Date: 10/15/2024 13:07

| Lab Sample ID: 1HJ1337-16 | | | | | Collection | • | 2024 13:07 | |
|--|------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------|
| | Analyses Performed by: | Microbac L | aboratories | s Inc., - M | arietta, Ol | 1 | | |
| Volatile Organic Compounds by GCMS | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA RSK-175 | | | | | | | | |
| Methane | 5530 | 100 | ug/L | 20 | D3 | 10/23/24 1040 | 10/23/24 1601 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | 1 | | 10/22/24 1401 | 10/22/24 1705 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | 1 | | 10/22/24 1401 | 10/22/24 1705 | KJB |
| | Analyses Performed I | oy: Microba | c Laborato | ries, Inc., | Newton | | | |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| 2320B | | | | | | | | |
| Alkalinity, as CaCO3 | 1730 | 50 | mg/L | 1 | | 10/18/24 1042 | 10/18/24 1458 | BSS |
| EPA 410.4 | | | | | | | | |
| COD, total | 1050 | 108 | mg/L | 2 | A15 | 10/24/24 0748 | 10/24/24 1105 | CES |
| EPA 9040 | | | | | | | | |
| рН | 6.6 | 0.5 | pН | 1 | H4 | | 10/21/24 0916 | BSS |
| SM 5210 B | | | | | | | | |
| BOD (5 day) | 82 | 24 | mg/L | 12 | | 10/16/24 1719 | 10/16/24 1920 | MND |
| TIMBERLINE | | | | | | | | |
| Nitrogen, Ammonia | 109 | 1.00 | mg/L | 10 | | 10/21/24 1446 | 10/22/24 1436 | RAF |
| USGS I-1750-85 | | | | | | | | |
| Total Dissolved Solids (TDS) | 3780 | 5 | mg/L | 1 | | 10/17/24 0845 | 10/17/24 1230 | RDH |
| USGS I-3765-85 | | | | | | | | |
| Total Suspended Solids (TSS) | 7 | 1 | mg/L | 1 | | 10/17/24 0837 | 10/21/24 0950 | MEAH |
| Determination of Inorganic Anions | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA 9056 | | | | | | | | |
| Chloride | 1220 | 50.0 | mg/L | 50 | | | 10/25/24 1601 | MID |
| Sulfate | 138 | 50.0 | mg/L | 50 | | | 10/25/24 1601 | MID |
| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA 3005A/EPA 6020A | | | | | | | | |
| Arsenic, total | 0.0176 | 0.0040 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0133 | RVV |
| Cobalt, total | 0.0188 | 0.0004 | mg/L | 4 | | 10/17/24 1551 | 10/19/24 0133 | RVV |



Batch Log Summary

| Method | Batch | Laboratory ID | Client / Source ID | |
|----------------|---------|---------------|--------------------|--|
| SM 5210 B | 1HJ1006 | 1HJ1006-BLK1 | | |
| | | 1HJ1006-SRM1 | | |
| | | 1HJ1337-16 | LW-75 | |
| | | 1HJ1006-DUP2 | 1HJ1321-01 | |
| Method | Batch | Laboratory ID | Client / Source ID | |
| USGS I-3765-85 | 1HJ1020 | 1HJ1337-16 | LW-75 | |
| | | 1HJ1020-BS1 | | |
| | | 1HJ1020-DUP1 | 1HJ1331-01 | |
| | | 1HJ1020-BLK1 | | |
| Method | Batch | Laboratory ID | Client / Source ID | |
| USGS I-1750-85 | 1HJ1022 | 1HJ1022-BLK1 | | |
| | | 1HJ1022-DUP1 | 1HJ1211-01 | |
| | | 1HJ1022-BS1 | | |
| | | 1HJ1337-16 | LW-75 | |
| Method | Batch | Laboratory ID | Client / Source ID | |
| EPA 6020A | 1HJ1084 | 1HJ1084-BLK1 | | |
| | | 1HJ1084-BS1 | | |
| | | 1HJ1337-01 | MW-85 (B) | |
| | | 1HJ1084-MS1 | 1HJ1337-01 | |
| | | 1HJ1084-MSD1 | 1HJ1337-01 | |
| | | 1HJ1084-PS1 | 1HJ1337-01 | |
| | | 1HJ1337-02 | MW-98 (B) | |
| | | 1HJ1337-03 | MW-99 (B) | |
| | | 1HJ1337-04 | MW-49 | |
| | | 1HJ1337-05 | MW-54 | |
| | | 1HJ1337-06 | MW-81 | |
| | | 1HJ1337-07 | MW-87 | |
| | | 1HJ1337-08 | MW-89 | |
| | | 1HJ1337-09 | MW-91 | |
| | | 1HJ1337-10 | MW-93 | |
| | | 1HJ1337-11 | MW-94 | |
| | | 1HJ1337-12 | MW-95 | |
| | | 1HJ1337-13 | MW-96R | |
| | | 1HJ1337-14 | MW-97 | |
| | | 1HJ1337-15 | Duplicate | |
| | | 1HJ1337-16 | LW-75 | |
| Method | Batch | Laboratory ID | Client / Source ID | |



CERTIFICATE OF ANALYSIS

| 2320B | 1HJ1125 | 1HJ1337-06 | MW-81 |
|------------|---------|----------------------------|--------------------------|
| | | 1HJ1337-11 | MW-94 |
| | | 1HJ1125-BLK1 | |
| | | 1HJ1337-05 | MW-54 |
| | | 1HJ1337-04 | MW-49 |
| | | 1HJ1125-MSD1 | 1HJ1319-04 |
| | | 1HJ1125-MS1 | 1HJ1319-04 |
| | | 1HJ1337-16 | LW-75 |
| | | 1HJ1125-BS1 | |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 8260B | 1HJ1173 | 1HJ1173-BS1 | |
| | | 1HJ1173-BSD1 | |
| | | 1HJ1173-BLK1 | |
| | | 1HJ1337-01 | MW-85 (B) |
| | | 1HJ1337-02 | MW-98 (B) |
| | | 1HJ1337-03 | MW-99 (B) |
| | | 1HJ1337-04 | MW-49 |
| | | 1HJ1337-05 | MW-54 |
| | | 1HJ1337-06 | MW-81 |
| | | 1HJ1337-07 | MW-87 |
| | | 1HJ1337-08 | MW-89 |
| | | 1HJ1337-09 | MW-91 |
| | | 1HJ1337-10 | MW-93 |
| | | 1HJ1173-MS1 | 1HJ1076-02 |
| | | 1HJ1173-MSD1 | 1HJ1076-02 |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 9040 | 1HJ1184 | 1HJ1184-SRM2 | |
| | | 1HJ1184-SRM1 | |
| | | 1HJ1337-11 | MW-94 |
| | | 1HJ1337-06 | MW-81 |
| | | 1HJ1337-05 | MW-54 |
| | | 1HJ1337-04 | MW-49 |
| | | 1HJ1337-16 | LW-75 |
| | | 1HJ1184-DUP1 | 1HJ1337-04 |
| Method | Batch | Laboratory ID | Client / Source ID |
| TIMBERLINE | 1HJ1226 | 1HJ1226-BLK1 | |
| | | | |
| | | 1HJ1226-BS1 | |
| | | 1HJ1226-BS1 1HJ1226-MS1 | 1HJ1325-02 |
| | | | 1HJ1325-02 1HJ1325-02 |



CERTIFICATE OF ANALYSIS

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|-----------------------------|--------------------------|
| EPA 8260B | 1HJ1301 | 1HJ1301-BS1 | |
| | | 1HJ1301-BSD1 | |
| | | 1HJ1301-BLK1 | |
| | | 1HJ1337-11 | MW-94 |
| | | 1HJ1337-11 | MW-94 |
| | | 1HJ1337-12 | MW-95 |
| | | 1HJ1337-12 | MW-95 |
| | | 1HJ1337-13 | MW-96R |
| | | 1HJ1337-13 | MW-96R |
| | | 1HJ1337-14 | MW-97 |
| | | 1HJ1337-14 | MW-97 |
| | | 1HJ1301-BS2 | |
| | | 1HJ1301-BSD2 | |
| | | 1HJ1301-BLK2 | |
| | | 1HJ1301-MS1 | 1HJ1342-01 |
| | | 1HJ1301-MSD1 | 1HJ1342-01 |
| | | 1HJ1301-MS2 | 1HJ1340-05 |
| | | 1HJ1301-MSD2 | 1HJ1340-05 |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 8260B | 1HJ1355 | 1HJ1355-BS1 | |
| | | 1HJ1355-BSD1 | |
| | | 1HJ1355-BLK1 | |
| | | 1HJ1337-01 | MW-85 (B) |
| | | 1HJ1337-02 | MW-98 (B) |
| | | 1HJ1337-03 | MW-99 (B) |
| | | 1HJ1337-04 | MW-49 |
| | | 1HJ1337-05 | MW-54 |
| | | 1HJ1337-06 | MW-81 |
| | | 1HJ1337-07 | MW-87 |
| | | 1HJ1337-08 | MW-89 |
| | | 1HJ1337-09 | MW-91 |
| | | 1HJ1337-10 | MW-93 |
| | | 1HJ1355-MS1 | 1HJ1617-04 |
| | | 1HJ1355-MSD1 | 1HJ1617-04 |
| | | 1HJ1355-BS2 | |
| | | 1HJ1355-BSD2 | |
| | | 1HJ1355-BLK2 | |
| | | | |
| | | 1HJ1355-MS2 | 1HJ1633-01 |
| | | 1HJ1355-MS2 1HJ1355-MSD2 | 1HJ1633-01 1HJ1633-01 |



CERTIFICATE OF ANALYSIS

| EPA 410.4 | 1HJ1457 | 1HJ1 | 337-16 | | LW-75 | | | | | |
|--|------------------------|------------|---------------|------------|-------------|------------|--------|-----|-------|-------|
| | | 1HJ1 | 457-MS1 | | 1HJ137 | 6-04 | | | | |
| | | 1HJ1 | 457-MSD1 | | 1HJ137 | 6-04 | | | | |
| | | 1HJ1 | 457-BS1 | | | | | | | |
| | | 1HJ1 | 457-BLK1 | | | | | | | |
| Method | Batch | Labo | ratory ID | | Client | / Source | ID | | | |
| EPA 9056 | 1HJ1779 | 1HJ1 | 779-BLK1 | | | | | | | |
| | | 1HJ1 | 779-BS1 | | | | | | | |
| | | 1HJ1 | 779-BSD1 | | | | | | | |
| | | 1HJ1 | 779-MS1 | | 1HJ135 | 2-01 | | | | |
| | | 1HJ1 | 779-MSD1 | | 1HJ135 | 2-01 | | | | |
| | | 1HJ1 | 337-16 | | LW-75 | | | | | |
| Method | Batch | Labo | ratory ID | | Client | / Source | ID | | | |
| EPA RSK-175 | B4J1197 | B4J1 | 197-BLK1 | | | | | | | |
| | | B4J1 | 197-BS1 | | | | | | | |
| | | B4J1 | 197-BSD1 | | | | | | | |
| | | 1HJ1 | 337-04 | | MW-49 | | | | | |
| | | 1HJ1 | 337-05 | | MW-54 | | | | | |
| | | 1HJ1 | 337-06 | | MW-81 | | | | | |
| | | 1HJ1 | 337-11 | | MW-94 | | | | | |
| | | 1HJ1 | 337-16 | | LW-75 | | | | | |
| Method | Batch | Labo | ratory ID | | Client | / Source | ID | | | |
| EPA RSK-175 | B4J1225 | B4J1: | 225-BLK1 | | | | | | | |
| | | B4J1: | 225-BS1 | | | | | | | |
| | | B4J1: | 225-BSD1 | | | | | | | |
| | | 1HJ1 | 337-05RE1 | | MW-54 | | | | | |
| | | 1HJ1 | 337-11RE1 | | MW-94 | | | | | |
| | | 1HJ1 | 337-04RE1 | | MW-49 | | | | | |
| | | 1HJ1 | 337-16RE1 | | LW-75 | | | | | |
| Batch Quality Control Summary: | Microbac Laboratories, | Inc., Newt | on | | | | | | | |
| | | | | Spike | Source | | %REC | | RPD | |
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HJ1173 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Blank (1HJ1173-BLK1) | | | Prepared: 10/ | 17/24 00:0 | 0 Analyzed: | 10/17/24 1 | 2:48 | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |



1HJ1337

Spike Source

| | | | | Spike | Source | | %REC | | RPD | Notes |
|---|---------|------------|--------------|--------------|--------------|------------|--------|-----|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HJ1173 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| Blank (1HJ1173-BLK1) | | | Prepared: 10 | 0/17/24 00:0 | 00 Analyzed: | 10/17/24 1 | 2:48 | | | |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Acetone | <10.0 | 10.0 | ug/L | | | | | | | |
| Methyl lodide | <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 ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L ug/L | | | | | | | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | _ | | | | | | | |
| | <1.0 | | ug/L | | | | | | | |
| 1,2-Dichlorobenzene 1,2-Dibromo-3-chloropropane | <5.0 | 1.0 5.0 | ug/L ug/L | | | | | | | |
| 1,2 5,5101110 0 officiopropario | | 0.0 | ug/L | | | | | | | |
| Surrogate: Dibromofluoromethane | 48.1 | | ug/L | 50.2 | | 95.8 | 75-136 | | | |

RPD

%REC



1HJ1337

Spike Source

%REC

RPD

| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|---|--------------|------|--------------|--------------|-------------|--------------|------------------|-----|-------|-------|
| Batch 1HJ1173 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Blank (1HJ1173-BLK1) | | | Prepared: 10 | 0/17/24 00:0 | 0 Analyzed: | 10/17/24 1 | 2:48 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.2 | | ug/L | 50.4 | | 97.6 | 61-142 | | | |
| Surrogate: Toluene-d8 Surrogate: 4-Bromofluorobenzene | 48.9 48.5 | | ug/L ug/L | 50.5 50.2 | | 96.9 96.7 | 82-121 80-116 | | | |
| LCS (1HJ1173-BS1) | | | Prepared: 10 | | 0 Analyzed: | 10/17/24 1 | | | | |
| Chloromethane | 22.05 | 1.0 | ug/L | 30.0 | | 73.5 | 63-155 | | | |
| Vinyl Chloride | 22.82 | 1.0 | ug/L | 30.0 | | 76.1 | 70-154 | | | |
| Bromomethane | 22.95 | 1.0 | ug/L | 30.0 | | 76.5 | 52-176 | | | |
| Chloroethane | 26.55 | 1.0 | ug/L | 30.0 | | 88.5 | 72-148 | | | |
| Trichlorofluoromethane | 25.67 | 1.0 | ug/L | 30.0 | | 85.6 | 70-152 | | | |
| 1,1-Dichloroethylene | 44.68 | 1.0 | ug/L | 50.0 | | 89.4 | 70-148 | | | |
| Acetone | 99.17 | 10.0 | ug/L | 101 | | 98.0 | 43-172 | | | |
| Methyl lodide | 97.97 | 1.0 | ug/L | 102 | | 96.2 | 69-170 | | | |
| Carbon Disulfide | 68.29 | 1.0 | ug/L | 103 | | 66.5 | 72-162 | | | S |
| Methylene Chloride | 46.61 | 5.0 | ug/L | 50.0 | | 93.2 | 68-142 | | | |
| trans-1,2-Dichloroethylene | 44.81 | 1.0 | ug/L | 50.0 | | 89.6 | 66-148 | | | |
| 1,1-Dichloroethane | 44.82 | 1.0 | ug/L | 50.0 | | 89.6 | 66-143 | | | |
| Vinyl Acetate | 97.23 | 5.0 | ug/L | 100 | | 97.2 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 43.79 | 1.0 | ug/L | 50.0 | | 87.6 | 71-149 | | | |
| 2-Butanone (MEK) | 88.92 | 10.0 | ug/L | 102 | | 87.3 | 52-159 | | | |
| Bromochloromethane | 42.95 | 1.0 | ug/L | 50.0 | | 85.9 | 69-143 | | | |
| Chloroform | 42.09 | 1.0 | ug/L | 50.0 | | 84.2 | 69-144 | | | |
| 1,1,1-Trichloroethane | 45.27 | 1.0 | ug/L | 50.0 | | 90.5 | 62-129 | | | |
| Carbon Tetrachloride | 48.70 | 1.0 | ug/L | 50.0 | | 97.4 | 63-141 | | | |
| Benzene | 44.38 | 1.0 | ug/L | 50.0 | | 88.8 | 71-134 | | | |
| 1,2-Dichloroethane | 44.14 | 1.0 | ug/L | 50.0 | | 88.3 | 72-132 | | | |
| Trichloroethylene | 45.42 | 1.0 | ug/L | 50.0 | | 90.8 | 71-135 | | | |
| 1,2-Dichloropropane | 45.72 | 1.0 | ug/L | 50.0 | | 91.4 | 69-136 | | | |
| Dibromomethane | 48.01 | 1.0 | ug/L | 50.0 | | 96.0 | 73-147 | | | |
| Bromodichloromethane | 47.33 | 1.0 | ug/L | 50.0 | | 94.7 | 68-129 | | | |
| cis-1,3-Dichloropropene | 44.19 | 1.0 | ug/L | 50.0 | | 88.4 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 99.24 | 5.0 | ug/L | 100 | | 99.1 | 58-147 | | | |
| Toluene | 43.92 | 1.0 | ug/L | 50.0 | | 87.8 | 72-133 | | | |
| trans-1,3-Dichloropropene | 45.70 | 1.0 | ug/L | 50.0 | | 91.4 | 67-130 | | | |
| 1,1,2-Trichloroethane | 46.39 | 1.0 | ug/L | 50.0 | | 92.8 | 69-135 | | | |
| Tetrachloroethylene | 46.73 | 1.0 | ug/L | 50.0 | | 93.5 | 69-130 | | | |
| 2-Hexanone (MBK) | 101.3 | 5.0 | ug/L | 99.3 | | 102 | 55-144 | | | |
| Dibromochloromethane | 47.83 | 1.0 | ug/L | 50.0 | | 95.7 | 73-127 | | | |
| 1,2-Dibromoethane | 46.60 | 1.0 | ug/L | 50.0 | | 93.2 | 67-132 | | | |
| Chlorobenzene | 44.61 | 1.0 | ug/L ug/L | 50.0 | | 93.2 89.2 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 47.25 | 1.0 | ug/L | 50.0 | | 94.5 | 72-123 73-127 | | | |
| Ethylbenzene | 46.50 | 1.0 | ug/L ug/L | 50.0 | | 93.0 | 73-127 71-127 | | | |
| Xylenes, total | 141.1 | 2.0 | ug/L | 150 | | 94.1 | 71-127 74-127 | | | |



1HJ1337

| | | | | Spike | Source | | %REC | | RPD | |
|---|---------|------|--------------|--------------|-------------|------------|--------|-------|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HJ1173 - EPA 5030B - EP | A 8260B | | | | | | | | | |
| LCS (1HJ1173-BS1) | | | Prepared: 10 | 0/17/24 00:0 | 0 Analyzed: | 10/17/24 1 | 1:40 | | | |
| Styrene | 48.95 | 1.0 | ug/L | 50.0 | | 97.9 | 66-126 | | | |
| Bromoform | 48.29 | 1.0 | ug/L | 50.0 | | 96.6 | 68-130 | | | |
| 1,2,3-Trichloropropane | 48.97 | 1.0 | ug/L | 50.0 | | 97.9 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 88.67 | 5.0 | ug/L | 103 | | 86.3 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 47.83 | 1.0 | ug/L | 50.0 | | 95.7 | 61-131 | | | |
| 1,4-Dichlorobenzene | 44.21 | 1.0 | ug/L | 50.0 | | 88.4 | 70-129 | | | |
| 1,2-Dichlorobenzene | 46.15 | 1.0 | ug/L | 50.0 | | 92.3 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 49.94 | 5.0 | ug/L | 50.0 | | 99.9 | 50-143 | | | |
| Surrogate: Dibromofluoromethane | 47.7 | | ug/L | 50.2 | | 95.1 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 47.6 | | ug/L | 50.4 | | 94.4 | 61-142 | | | |
| Surrogate: Toluene-d8 | 50.0 | | ug/L | 50.5 | | 99.0 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.6 | | ug/L | 50.2 | | 101 | 80-116 | | | |
| LCS Dup (1HJ1173-BSD1) | | | Prepared: 10 | 0/17/24 00:0 | 0 Analyzed: | 10/17/24 1 | 2:03 | | | |
| Chloromethane | 21.14 | 1.0 | ug/L | 30.0 | | 70.5 | 63-155 | 4.21 | 24 | |
| Vinyl Chloride | 22.06 | 1.0 | ug/L | 30.0 | | 73.5 | 70-154 | 3.39 | 25 | |
| Bromomethane | 22.43 | 1.0 | ug/L | 30.0 | | 74.8 | 52-176 | 2.29 | 27 | |
| Chloroethane | 25.81 | 1.0 | ug/L | 30.0 | | 86.0 | 72-148 | 2.83 | 25 | |
| Trichlorofluoromethane | 24.45 | 1.0 | ug/L | 30.0 | | 81.5 | 70-152 | 4.87 | 26 | |
| 1,1-Dichloroethylene | 43.34 | 1.0 | ug/L | 50.0 | | 86.7 | 70-148 | 3.04 | 24 | |
| Acetone | 94.71 | 10.0 | ug/L | 101 | | 93.6 | 43-172 | 4.60 | 30 | |
| Methyl lodide | 94.99 | 1.0 | ug/L | 102 | | 93.2 | 69-170 | 3.09 | 30 | |
| Carbon Disulfide | 65.46 | 1.0 | ug/L | 103 | | 63.7 | 72-162 | 4.23 | 24 | S |
| Methylene Chloride | 46.51 | 5.0 | ug/L | 50.0 | | 93.0 | 68-142 | 0.215 | 21 | |
| trans-1,2-Dichloroethylene | 43.30 | 1.0 | ug/L | 50.0 | | 86.6 | 66-148 | 3.43 | 27 | |
| 1,1-Dichloroethane | 43.64 | 1.0 | ug/L | 50.0 | | 87.3 | 66-143 | 2.67 | 24 | |
| Vinyl Acetate | 96.62 | 5.0 | ug/L | 100 | | 96.6 | 43-153 | 0.629 | 30 | |
| cis-1,2-Dichloroethylene | 43.29 | 1.0 | ug/L | 50.0 | | 86.6 | 71-149 | 1.15 | 26 | |
| 2-Butanone (MEK) | 92.96 | 10.0 | ug/L | 102 | | 91.3 | 52-159 | 4.44 | 27 | |
| Bromochloromethane | 42.53 | 1.0 | ug/L | 50.0 | | 85.1 | 69-143 | 0.983 | 23 | |
| Chloroform | 41.17 | 1.0 | ug/L | 50.0 | | 82.3 | 69-144 | 2.21 | 23 | |
| 1,1,1-Trichloroethane | 43.58 | 1.0 | ug/L | 50.0 | | 87.2 | 62-129 | 3.80 | 24 | |
| Carbon Tetrachloride | 47.31 | 1.0 | ug/L | 50.0 | | 94.6 | 63-141 | 2.90 | 25 | |
| Benzene | 43.22 | 1.0 | ug/L | 50.0 | | 86.4 | 71-134 | 2.65 | 24 | |
| 1,2-Dichloroethane | 44.04 | 1.0 | ug/L | 50.0 | | 88.1 | 72-132 | 0.227 | 24 | |
| Trichloroethylene | 43.86 | 1.0 | ug/L | 50.0 | | 87.7 | 71-135 | 3.49 | 24 | |
| 1,2-Dichloropropane | 44.76 | 1.0 | ug/L | 50.0 | | 89.5 | 69-136 | 2.12 | 24 | |
| Dibromomethane | 47.38 | 1.0 | ug/L | 50.0 | | 94.8 | 73-147 | 1.32 | 25 | |
| Bromodichloromethane | 46.68 | 1.0 | ug/L | 50.0 | | 93.4 | 68-129 | 1.38 | 22 | |
| cis-1,3-Dichloropropene | 43.68 | 1.0 | ug/L | 50.0 | | 87.4 | 65-134 | 1.16 | 23 | |
| 4-Methyl-2-pentanone (MIBK) | 99.52 | 5.0 | ug/L | 100 | | 99.4 | 58-147 | 0.282 | 27 | |
| Toluene | 42.62 | 1.0 | ug/L | 50.0 | | 85.2 | 72-133 | 3.00 | 24 | |
| trans-1,3-Dichloropropene | 45.40 | 1.0 | ug/L | 50.0 | | 90.8 | 67-130 | 0.659 | 24 | |
| | - · · | 1.0 | ~ g, = | 55.0 | | 55.0 | 01-100 | 0.000 | 4 | |



| Determination of Volatile | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|---------|-----------|--------------|----------------|------------------|------------|----------------|--------|--------------|-------|
| Organic Compounds | | | | | | | | | | |
| Batch 1HJ1173 - EPA 5030B - EPA | . 8260B | | | | | | | | | |
| LCS Dup (1HJ1173-BSD1) | | | Prepared: 10 | 0/17/24 00:0 | 0 Analyzed: | 10/17/24 1 | 2:03 | | | |
| 1,1,2-Trichloroethane | 46.49 | 1.0 | ug/L | 50.0 | | 93.0 | 69-135 | 0.215 | 23 | |
| Tetrachloroethylene | 45.40 | 1.0 | ug/L | 50.0 | | 90.8 | 69-130 | 2.89 | 25 | |
| 2-Hexanone (MBK) | 102.1 | 5.0 | ug/L | 99.3 | | 103 | 55-144 | 0.777 | 25 | |
| Dibromochloromethane | 47.86 | 1.0 | ug/L | 50.0 | | 95.7 | 73-127 | 0.0627 | 22 | |
| 1,2-Dibromoethane | 46.42 | 1.0 | ug/L | 50.0 | | 92.8 | 67-132 | 0.387 | 24 | |
| Chlorobenzene | 43.99 | 1.0 | ug/L | 50.0 | | 88.0 | 72-123 | 1.40 | 23 | |
| 1,1,1,2-Tetrachloroethane | 46.73 | 1.0 | ug/L | 50.0 | | 93.5 | 73-127 | 1.11 | 24 | |
| Ethylbenzene | 45.22 | 1.0 | ug/L | 50.0 | | 90.4 | 71-127 | 2.79 | 26 | |
| Xylenes, total | 137.9 | 2.0 | ug/L | 150 | | 91.9 | 74-127 | 2.28 | 25 | |
| Styrene | 48.08 | 1.0 | ug/L | 50.0 | | 96.2 | 66-126 | 1.79 | 23 | |
| Bromoform | 48.21 | 1.0 | ug/L | 50.0 | | 96.4 | 68-130 | 0.166 | 23 | |
| 1,2,3-Trichloropropane | 48.37 | 1.0 | ug/L | 50.0 | | 96.7 | 63-136 | 1.23 | 24 | |
| trans-1,4-Dichloro-2-butene | 88.14 | 5.0 | ug/L | 103 | | 85.7 | 54-134 | 0.600 | 27 | |
| 1,1,2,2-Tetrachloroethane | 47.36 | 1.0 | ug/L | 50.0 | | 94.7 | 61-131 | 0.988 | 29 | |
| 1,4-Dichlorobenzene | 43.54 | 1.0 | ug/L | 50.0 | | 87.1 | 70-129 | 1.53 | 24 | |
| 1,2-Dichlorobenzene | 45.78 | 1.0 | ug/L | 50.0 | | 91.6 | 69-126 | 0.805 | 26 | |
| 1,2-Dibromo-3-chloropropane | 49.82 | 5.0 | ug/L | 50.0 | | 99.6 | 50-143 | 0.241 | 30 | |
| | | | <u> </u> | | | | | | | |
| Surrogate: Dibromofluoromethane | 47.7 | | ug/L | 50.2 | | 94.9 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 47.7 | | ug/L | 50.4 | | 94.7 | 61-142 | | | |
| Surrogate: Toluene-d8 | 49.7 | | ug/L | 50.5 | | 98.5 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.2 | | ug/L | 50.2 | | 100 | 80-116 | | | |
| Matrix Spike (1HJ1173-MS1) | | HJ1076-02 | Prepared: 10 | 0/17/24 00:0 | 0 Analyzed: | 10/18/24 0 | 0:47 | | | |
| Chloromethane | 214.8 | 10.0 | ug/L | 300 | ND | 71.6 | 61-152 | | | |
| Vinyl Chloride | 225.4 | 10.0 | ug/L | 300 | ND | 75.1 | 66-149 | | | |
| Bromomethane | 211.0 | 10.0 | ug/L | 300 | ND | 70.3 | 43-171 | | | |
| Chloroethane | 266.5 | 10.0 | ug/L | 300 | ND | 88.8 | 69-148 | | | |
| Trichlorofluoromethane | 251.4 | 10.0 | ug/L | 300 | ND | 83.8 | 62-163 | | | |
| 1,1-Dichloroethylene | 448.8 | 10.0 | ug/L | 500 | ND | 89.8 | 70-148 | | | |
| Acetone | 928.5 | 100 | ug/L | 1010 | ND | 91.7 | 45-173 | | | |
| Methyl Iodide | 929.4 | 10.0 | ug/L | 1020 | ND | 91.2 | 62-167 | | | |
| Carbon Disulfide | 690.5 | 10.0 | ug/L | 1030 | ND | 67.2 | 71-163 | | | S |
| Methylene Chloride | 504.5 | 50.0 | ug/L | 500 | ND | 101 | 69-140 | | | |
| trans-1,2-Dichloroethylene | 450.0 | 10.0 | ug/L | 500 | ND | 90.0 | 69-144 | | | |
| 1,1-Dichloroethane | 444.9 | 10.0 | ug/L | 500 | ND | 89.0 | 70-138 | | | |
| Vinyl Acetate | 969.3 | 50.0 | ug/L | 1000 | ND | 96.9 | 58-142 | | | |
| cis-1,2-Dichloroethylene | 434.2 | 10.0 | ug/L | 500 | ND | 86.8 | 68-151 | | | |
| 2-Butanone (MEK) | 862.1 | 100 | ug/L | 1020 | ND | 84.7 | 50-160 | | | |
| Bromochloromethane | 428.4 | 10.0 | ug/L | 500 | ND | 85.7 | 65-143 | | | |
| Chloroform | 407.4 | 10.0 | ug/L | 500 | ND | 85.4 | 71-143 | | | |
| | 427.1 | 10.0 | 49, - | 300 | | | | | | |
| 1,1,1-Trichloroethane | 454.7 | 10.0 | ug/L | 500 | ND | 90.9 | 63-133 | | | |
| 1,1,1-Trichloroethane Carbon Tetrachloride | | | • | | | | | | | |



| Determination of Volatile | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|------------|-----------|--------------|----------------|------------------|------------|----------------|-------|--------------|-------|
| Organic Compounds | Result | IVE. | Onits | Level | Result | /orceo | Lillits | I D | Lilling | |
| Batch 1HJ1173 - EPA 5030B - EPA 8 | 3260B | | | | | | | | | |
| Matrix Spike (1HJ1173-MS1) | Source: 1 | HJ1076-02 | Prepared: 10 | 0/17/24 00:0 | 0 Analyzed: | 10/18/24 0 | 0:47 | | | |
| 1,2-Dichloroethane | 441.0 | 10.0 | ug/L | 500 | ND | 88.2 | 63-138 | | | |
| Trichloroethylene | 450.1 | 10.0 | ug/L | 500 | ND | 90.0 | 71-133 | | | |
| 1,2-Dichloropropane | 453.2 | 10.0 | ug/L | 500 | ND | 90.6 | 69-132 | | | |
| Dibromomethane | 476.6 | 10.0 | ug/L | 500 | ND | 95.3 | 70-147 | | | |
| Bromodichloromethane | 456.5 | 10.0 | ug/L | 500 | ND | 91.3 | 67-130 | | | |
| cis-1,3-Dichloropropene | 408.8 | 10.0 | ug/L | 500 | ND | 81.8 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 967.8 | 50.0 | ug/L | 1000 | ND | 96.7 | 55-147 | | | |
| Toluene | 434.6 | 10.0 | ug/L | 500 | ND | 86.9 | 71-133 | | | |
| trans-1,3-Dichloropropene | 432.0 | 10.0 | ug/L | 500 | ND | 86.4 | 63-124 | | | |
| 1,1,2-Trichloroethane | 454.0 | 10.0 | ug/L | 500 | ND | 90.8 | 69-133 | | | |
| Tetrachloroethylene | 461.5 | 10.0 | ug/L | 500 | ND | 92.3 | 70-124 | | | |
| 2-Hexanone (MBK) | 988.9 | 50.0 | ug/L | 993 | ND | 99.6 | 53-141 | | | |
| Dibromochloromethane | 464.9 | 10.0 | ug/L | 500 | ND | 93.0 | 74-122 | | | |
| 1,2-Dibromoethane | 458.5 | 10.0 | ug/L | 500 | ND | 91.7 | 66-127 | | | |
| Chlorobenzene | 443.1 | 10.0 | ug/L | 500 | ND | 88.6 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 464.2 | 10.0 | ug/L | 500 | ND | 92.8 | 77-121 | | | |
| Ethylbenzene | 460.8 | 10.0 | ug/L | 500 | ND | 92.2 | 73-124 | | | |
| Xylenes, total | 1393 | 20.0 | ug/L | 1500 | ND | 92.9 | 75-123 | | | |
| Styrene | 481.2 | 10.0 | ug/L | 500 | ND | 96.2 | 70-120 | | | |
| Bromoform | 462.5 | 10.0 | ug/L | 500 | ND | 92.5 | 70-124 | | | |
| 1,2,3-Trichloropropane | 483.3 | 10.0 | ug/L | 500 | ND | 96.7 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 811.4 | 50.0 | ug/L | 1030 | ND | 78.9 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 458.5 | 10.0 | ug/L | 500 | ND | 91.7 | 63-126 | | | |
| 1,4-Dichlorobenzene | 429.8 | 10.0 | ug/L | 500 | ND | 86.0 | 72-119 | | | |
| 1,2-Dichlorobenzene | 454.2 | 10.0 | ug/L | 500 | ND | 90.8 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 496.9 | 50.0 | ug/L | 500 | ND | 99.4 | 49-134 | | | |
| Surrogate: Dibromofluoromethane | 480 | | ug/L | 502 | | 95.5 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 487 | | ug/L | 504 | | 96.7 | 61-142 | | | |
| Surrogate: Toluene-d8 | 500 | | ug/L | 505 | | 99.1 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 504 | | ug/L | 502 | | 100 | 80-116 | | | |
| Matrix Spike Dup (1HJ1173-MSD1) | Source: 11 | | Prepared: 10 | | 0 Analyzed: | | | | | |
| Chloromethane | 206.8 | 10.0 | ug/L | 300 | ND | 68.9 | 61-152 | 3.80 | 26 | |
| Vinyl Chloride | 216.9 | 10.0 | ug/L | 300 | ND | 72.3 | 66-149 | 3.84 | 23 | |
| Bromomethane | 213.1 | 10.0 | ug/L | 300 | ND | 71.0 | 43-171 | 0.990 | 29 | |
| Chloroethane | 256.4 | 10.0 | ug/L | 300 | ND | 85.5 | 69-148 | 3.86 | 25 | |
| Trichlorofluoromethane | 238.6 | 10.0 | ug/L | 300 | ND | 79.5 | 62-163 | 5.22 | 25 | |
| 1,1-Dichloroethylene | 428.7 | 10.0 | ug/L | 500 | ND | 85.7 | 70-148 | 4.58 | 22 | |
| Acetone | 908.7 | 100 | ug/L | 1010 | ND | 89.8 | 45-173 | 2.16 | 30 | |
| Methyl lodide | 915.7 | 10.0 | ug/L | 1020 | ND | 89.9 | 62-167 | 1.49 | 24 | _ |
| Carbon Disulfide | 654.1 | 10.0 | ug/L | 1030 | ND | 63.7 | 71-163 | 5.41 | | S |
| Methylene Chloride | 493.3 | 50.0 | ug/L | 500 | ND | 98.7 | 69-140 | 2.24 | 19 | |
| trans-1,2-Dichloroethylene | 428.8 | 10.0 | ug/L | 500 | ND | 85.8 | 69-144 | 4.82 | 22 | |

Microbac Laboratories, Inc., Newton



| | | | | Spike | Source | | %REC | | RPD | Nata |
|--|------------|------------|--------------|--------------|-------------|--------------|------------------|--------|----------|------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Note |
| atch 1HJ1173 - EPA 5030B - EPA 8 | 3260B | | | | | | | | | |
| atrix Spike Dup (1HJ1173-MSD1) | Source: | 1HJ1076-02 | Prepared: 1 | 0/17/24 00:0 | 0 Analyzed: | 10/18/24 0 | 1:10 | | | |
| 1,1-Dichloroethane | 430.5 | 10.0 | ug/L | 500 | ND | 86.1 | 70-138 | 3.29 | 20 | |
| Vinyl Acetate | 968.3 | 50.0 | ug/L | 1000 | ND | 96.8 | 58-142 | 0.103 | 24 | |
| cis-1,2-Dichloroethylene | 419.9 | 10.0 | ug/L | 500 | ND | 84.0 | 68-151 | 3.35 | 22 | |
| 2-Butanone (MEK) | 846.5 | 100 | ug/L | 1020 | ND | 83.2 | 50-160 | 1.83 | 23 | |
| Bromochloromethane | 417.2 | 10.0 | ug/L | 500 | ND | 83.4 | 65-143 | 2.65 | 22 | |
| Chloroform | 415.0 | 10.0 | ug/L | 500 | ND | 83.0 | 71-143 | 2.87 | 21 | |
| 1,1,1-Trichloroethane | 434.7 | 10.0 | ug/L | 500 | ND | 86.9 | 63-133 | 4.50 | 23 | |
| Carbon Tetrachloride | 427.3 | 10.0 | ug/L | 500 | ND | 85.5 | 63-142 | 0.676 | 22 | |
| Benzene | 424.9 | 10.0 | ug/L | 500 | ND | 85.0 | 69-133 | 3.40 | 18 | |
| 1,2-Dichloroethane | 430.5 | 10.0 | ug/L | 500 | ND | 86.1 | 63-138 | 2.41 | 20 | |
| Trichloroethylene | 431.7 | 10.0 | ug/L | 500 | ND | 86.3 | 71-133 | 4.17 | 23 | |
| 1,2-Dichloropropane | 441.2 | 10.0 | ug/L | 500 | ND | 88.2 | 69-132 | 2.68 | 20 | |
| Dibromomethane | 465.9 | 10.0 | ug/L | 500 | ND | 93.2 | 70-147 | 2.27 | 22 | |
| Bromodichloromethane | 450.6 | 10.0 | ug/L | 500 | ND | 90.1 | 67-130 | 1.30 | 21 | |
| cis-1,3-Dichloropropene | 406.1 | 10.0 | ug/L | 500 | ND | 81.2 | 61-126 | 0.663 | 21 | |
| 1-Methyl-2-pentanone (MIBK) | 963.8 | 50.0 | ug/L | 1000 | ND | 96.3 | 55-147 | 0.414 | 23 | |
| Foluene | 420.6 | 10.0 | ug/L | 500 | ND | 84.1 | 71-133 | 3.27 | 19 | |
| rans-1,3-Dichloropropene | 428.2 | 10.0 | ug/L | 500 | ND | 85.6 | 63-124 | 0.884 | 21 | |
| 1,1,2-Trichloroethane | 458.4 | 10.0 | ug/L | 500 | ND | 91.7 | 69-133 | 0.964 | 19 | |
| Tetrachloroethylene | 447.5 | 10.0 | ug/L | 500 | ND | 89.5 | 70-124 | 3.08 | 24 | |
| 2-Hexanone (MBK) | 990.3 | 50.0 | ug/L | 993 | ND | 99.7 | 53-141 | 0.141 | 24 | |
| Dibromochloromethane | 469.3 | 10.0 | ug/L | 500 | ND | 93.9 | 74-122 | 0.942 | 21 | |
| 1,2-Dibromoethane | 458.2 | 10.0 | ug/L | 500 | ND | 91.6 | 66-127 | 0.0654 | 23 | |
| Chlorobenzene | 432.3 | 10.0 | ug/L | 500 | ND | 86.5 | 76-116 | 2.47 | 21 | |
| 1,1,1,2-Tetrachloroethane | 455.8 | 10.0 | ug/L | 500 | ND | 91.2 | 77-121 | 1.83 | 25 | |
| Ethylbenzene | 445.6 | 10.0 | ug/L | 500 | ND | 89.1 | 73-124 | 3.35 | 20 | |
| Xylenes, total | 1355 | 20.0 | ug/L | 1500 | ND | 90.3 | 75-124 | 2.75 | 20 | |
| Styrene | 469.9 | 10.0 | ug/L | 500 | ND | 94.0 | 70-120 | 2.73 | 23 | |
| Bromoform | 474.2 | 10.0 | ug/L | 500 | ND | 94.8 | 70-120 | 2.50 | 22 | |
| 1,2,3-Trichloropropane | 478.5 | 10.0 | ug/L | 500 | ND | 95.7 | 62-135 | | 28 | |
| trans-1,4-Dichloro-2-butene | 813.0 | 50.0 | ŭ | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 460.1 | 10.0 | ug/L ug/L | 1030 500 | ND | 79.1 92.0 | 50-120 | 0.197 | 26 24 | |
| 1, 1,2,2- retrachioroethane 1.4-Dichlorobenzene | 425.2 | 10.0 | ug/L ug/L | | ND | | 63-126 | 0.348 | 24 | |
| 1,2-Dichlorobenzene | 446.3 | 10.0 | ug/L ug/L | 500 500 | ND ND | 85.0 89.3 | 72-119 | 1.08 | 24 | |
| 1,2-Dibromo-3-chloropropane | 484.7 | | • | | | | 71-117 | 1.75 | 24 | |
| т,2-ыыготно-э-спюгоргорапе | 707.1 | 50.0 | ug/L | 500 | ND | 96.9 | 49-134 | 2.49 | 28 | |
| Surrogate: Dibromofluoromethane | 482 | | ug/L | 502 | | 96.0 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 481 | | ug/L | 504 | | 95.5 | 61-142 | | | |
| Surrogate: Toluene-d8 | 498 499 | | ug/L ug/L | 505 502 | | 98.6 99.5 | 82-121 80-116 | | | |

Microbac Laboratories, Inc., Newton

Blank (1HJ1301-BLK1)

Prepared: 10/21/24 00:00 Analyzed: 10/21/24 11:09



1HJ1337

| Determination of Volatile | Descrit | D. | l luite | Spike | Source | 0/ DEC | %REC | DDD | RPD | Notes |
|--|-----------|------|--------------|--------------|-------------|------------|--------|-----|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | |
| Batch 1HJ1301 - EPA 5030B - I | EPA 8260B | | | | | | | | | |
| Blank (1HJ1301-BLK1) | | | Prepared: 10 |)/21/24 00:0 | 0 Analyzed: | 10/21/24 1 | 1:09 | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Acetone | <10.0 | 10.0 | ug/L | | | | | | | |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | | | | | | |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | | | | | | |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | | | | | | |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | | | | | | |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | | | | | | |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| Dibromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Toluene | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Xylenes, total | <2.0 | 2.0 | ug/L | | | | | | | |
| Styrene | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromoform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |

Microbac Laboratories, Inc., Newton

ug/L

5.0

<5.0

trans-1,4-Dichloro-2-butene



CERTIFICATE OF ANALYSIS

| | | | | Spike | Source | | %REC | | RPD | |
|--|---------|------|--------------|---------------|--------------|------------|--------|-----|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HJ1301 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| | 4 0200B | | Prepared: 10 | N21/24 00:0 | IO Analyzed: | 10/21/24 1 | 1:00 | | | |
| Blank (1HJ1301-BLK1) | <1.0 | 1.0 | <u> </u> | J/2 1/24 00.0 | o Arialyzeu. | 10/21/24 1 | 1.09 | | | |
| 1,1,2,2-Tetrachloroethane | | 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 | 47.6 | | ug/L | 50.2 | | 94.7 | 57-134 | | | |
| Surrogate: Dibromofluoromethane | 47.6 | | ug/L | 50.2 | | 94.7 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.0 | | ug/L | 50.4 | | 99.3 | 53-140 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.0 | | ug/L | 50.4 | | 99.3 | 61-142 | | | |
| Surrogate: Toluene-d8 | 47.2 | | ug/L | 50.5 | | 93.5 | 86-114 | | | |
| Surrogate: Toluene-d8 | 47.2 | | ug/L | 50.5 | | 93.5 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.4 | | ug/L | 50.2 | | 98.4 | 78-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.4 | | ug/L | 50.2 | | 98.4 | 80-116 | | | |
| Blank (1HJ1301-BLK2) | | | Prepared: 10 | 0/21/24 00:0 | 0 Analyzed: | 10/22/24 0 | 1:23 | | | |
| 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 | | | | | | | |
| | <1.0 | 1.0 | | | | | | | | |
| cis-1,2-Dichloroethylene | <10.0 | 10.0 | ug/L | | | | | | | |
| 2-Butanone (MEK) | <1.0 | | ug/L | | | | | | | |
| Bromochloromethane | | 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 | | | | | | | |



1HJ1337

Spike Source

%REC

RPD

| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|---|--------------|------|--------------|--------------|-------------|--------------|------------------|-----|-------|-------|
| Batch 1HJ1301 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| Blank (1HJ1301-BLK2) | | | Prepared: 10 | 0/21/24 00:0 | 0 Analyzed: | 10/22/24 0 | 1:23 | | | |
| 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 | 52.2 | | ug/L | 50.2 | | 104 | 57-134 | | | |
| Surrogate: Dibromofluoromethane | 52.2 | | ug/L | 50.2 | | 104 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 54.8 | | ug/L | 50.4 | | 109 | 53-140 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 54.8 | | ug/L | 50.4 | | 109 | 61-142 | | | |
| Surrogate: Toluene-d8 | 47.9 | | ug/L | 50.5 | | 94.9 | 86-114 | | | |
| Surrogate: Toluene-d8 Surrogate: 4-Bromofluorobenzene | 47.9 | | ug/L | 50.5 | | 94.9 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene Surrogate: 4-Bromofluorobenzene | 49.9 49.9 | | ug/L ug/L | 50.2 50.2 | | 99.5 99.5 | 78-121 80-116 | | | |
| LCS (1HJ1301-BS1) | 40.5 | | Prepared: 10 | | 0 Analyzed: | | | | | |
| Chloromethane | 30.14 | 1.0 | ug/L | 30.0 | | 100 | 63-155 | | | |
| Vinyl Chloride | 28.96 | 1.0 | ug/L | 30.0 | | 96.5 | 70-154 | | | |
| Bromomethane | 33.12 | 1.0 | ug/L | 30.0 | | 110 | 52-176 | | | |
| Chloroethane | 24.87 | 1.0 | ug/L | 30.0 | | 82.9 | 72-148 | | | |
| Trichlorofluoromethane | 24.34 | 1.0 | ug/L | 30.0 | | 81.1 | 70-152 | | | |
| 1,1-Dichloroethylene | 44.45 | 1.0 | ug/L | 50.0 | | 88.9 | 70-132 | | | |
| Acetone | 99.33 | 10.0 | ug/L | 101 | | 98.2 | 43-172 | | | |
| Methyl lodide | 96.99 | 1.0 | ug/L | 101 | | 95.2 | 69-170 | | | |
| Carbon Disulfide | 67.06 | 1.0 | ug/L | 102 | | 65.3 | 72-162 | | | Q3 |
| Methylene Chloride | 43.27 | 5.0 | ug/L | 50.0 | | 86.5 | 68-142 | | | QJ |
| Acrylonitrile | 77.56 | 5.0 | ug/L | 100 | | 77.3 | | | | |
| trans-1,2-Dichloroethylene | 45.12 | 1.0 | ug/L ug/L | 50.0 | | 90.2 | 56-135 66-148 | | | |
| 1,1-Dichloroethane | 44.18 | 1.0 | • | | | | | | | |
| | 91.56 | | ug/L | 50.0 | | 88.4 | 66-143 | | | |
| Vinyl Acetate | | 5.0 | ug/L | 100 | | 91.6 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 44.44 | 1.0 | ug/L | 50.0 | | 88.9 | 71-149 | | | |
| 2-Butanone (MEK) | 92.08 | 10.0 | ug/L | 102 | | 90.5 | 52-159 | | | |
| Bromochloromethane | 43.62 | 1.0 | ug/L | 50.0 | | 87.2 | 69-143 | | | |



1HJ1337

| Determination of Volatile | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Note |
|--|--------------|-----|--------------|----------------|------------------|--------------|------------------|-----|--------------|------|
| Organic Compounds | Resuit | KL | Units | Level | Result | 70REU | Liffii(S | KPU | Limit | |
| Batch 1HJ1301 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| .CS (1HJ1301-BS1) | | | Prepared: 10 | 0/21/24 00:0 | 0 Analyzed: | 10/21/24 1 | 0:02 | | | |
| Chloroform | 44.14 | 1.0 | ug/L | 50.0 | | 88.3 | 69-144 | | | |
| 1,1,1-Trichloroethane | 44.67 | 1.0 | ug/L | 50.0 | | 89.3 | 62-129 | | | |
| Carbon Tetrachloride | 45.86 | 1.0 | ug/L | 50.0 | | 91.7 | 63-141 | | | |
| Benzene | 48.01 | 1.0 | ug/L | 50.0 | | 96.0 | 71-134 | | | |
| 1,2-Dichloroethane | 52.15 | 1.0 | ug/L | 50.0 | | 104 | 72-132 | | | |
| Trichloroethylene | 47.37 | 1.0 | ug/L | 50.0 | | 94.7 | 71-135 | | | |
| 1,2-Dichloropropane | 45.95 | 1.0 | ug/L | 50.0 | | 91.9 | 69-136 | | | |
| Dibromomethane | 48.86 | 1.0 | ug/L | 50.0 | | 97.7 | 73-147 | | | |
| Bromodichloromethane | 47.09 | 1.0 | ug/L | 50.0 | | 94.2 | 68-129 | | | |
| cis-1,3-Dichloropropene | 45.20 | 1.0 | ug/L | 50.0 | | 90.4 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 102.1 | 5.0 | ug/L | 100 | | 102 | 58-147 | | | |
| Toluene | 46.37 | 1.0 | ug/L | 50.0 | | 92.7 | 72-133 | | | |
| trans-1,3-Dichloropropene | 46.70 | 1.0 | ug/L | 50.0 | | 93.4 | 67-130 | | | |
| 1,1,2-Trichloroethane | 46.58 | 1.0 | ug/L | 50.0 | | 93.2 | 69-135 | | | |
| Tetrachloroethylene | 50.31 | 1.0 | ug/L | 50.0 | | 101 | 69-130 | | | |
| 2-Hexanone (MBK) | 101.6 | 5.0 | ug/L | 99.3 | | 102 | 55-144 | | | |
| Dibromochloromethane | 48.07 | 1.0 | ug/L | 50.0 | | 96.1 | 73-127 | | | |
| 1,2-Dibromoethane | 48.68 | 1.0 | ug/L | 50.0 | | 97.4 | 67-132 | | | |
| Chlorobenzene | 47.64 | 1.0 | ug/L | 50.0 | | 95.3 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 50.14 | 1.0 | ug/L | 50.0 | | 100 | 73-127 | | | |
| Ethylbenzene | 50.00 | 1.0 | ug/L | 50.0 | | 100 | 71-127 | | | |
| Xylenes, total | 144.8 | 2.0 | ug/L | 150 | | 96.6 | 74-127 | | | |
| Styrene | 49.55 | 1.0 | ug/L | 50.0 | | 99.1 | 66-126 | | | |
| Bromoform | 48.34 | 1.0 | ug/L | 50.0 | | 96.7 | 68-130 | | | |
| 1,2,3-Trichloropropane | 49.06 | 1.0 | ug/L | 50.0 | | 98.1 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 90.82 | 5.0 | ug/L | 103 | | 88.3 | | | | |
| 1,1,2,2-Tetrachloroethane | 48.58 | 1.0 | ug/L | 50.0 | | 97.2 | 54-134 | | | |
| 1.4-Dichlorobenzene | 46.59 | 1.0 | _ | 50.0 | | 93.2 | 61-131 | | | |
| 1,2-Dichlorobenzene | 47.28 | 1.0 | ug/L | | | | 70-129 | | | |
| 1,2-Dibromo-3-chloropropane | 42.84 | 5.0 | ug/L ug/L | 50.0 50.0 | | 94.6 85.7 | 69-126 50-143 | | | |
| 1,2-Dibromo-o-cinoropropane | 12.01 | 0.0 | ug/L | 30.0 | | 00.1 | 30-143 | | | |
| Surrogate: Dibromofluoromethane | 46.3 | | ug/L | 50.2 | | 92.2 | 57-134 | | | |
| Surrogate: Dibromofluoromethane | 46.3 | | ug/L | 50.2 | | 92.2 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 47.2 | | ug/L | 50.4 | | 93.8 | 53-140 | | | |
| Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 | 47.2 49.2 | | ug/L ug/L | 50.4 50.5 | | 93.8 97.4 | 61-142 86-114 | | | |
| Surrogate: Toluene-d8 | 49.2 49.2 | | ug/L ug/L | 50.5 50.5 | | 97.4 97.4 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.4 | | ug/L ug/L | 50.2 | | 98.5 | 78-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.4 | | ug/L | 50.2 | | 98.5 | 80-116 | | | |
| .CS (1HJ1301-BS2) | | | Prepared: 10 | 0/21/24 00:0 | 0 Analyzed: | 10/22/24 0 | 0:15 | | | |
| Chloromethane | 35.79 | 1.0 | ug/L | 30.0 | | 119 | 63-155 | | | |
| Vinyl Chloride | 33.44 | 1.0 | ug/L | 30.0 | | 111 | 70-154 | | | |
| Bromomethane | 38.13 | 1.0 | ug/L | 30.0 | | 127 | 52-176 | | | |
| Chloroethane | 28.96 | 1.0 | ug/L | 30.0 | | 96.5 | 72-148 | | | |



1HJ1337

Spike Source

%REC

RPD

| Data mala atlana at Malatila | | | | | Source | 0/ 550 | /0KEC | | KPD | Notes |
|---|---------|------|--------------|--------------|--------------|------------|--------|-----|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | 14010 |
| Batch 1HJ1301 - EPA 5030B - EPA | A 8260B | | | | | | | | | |
| | | | Prepared: 10 | 0/21/24 00:0 | 00 Analyzed: | 10/22/24 0 | 0:15 | | | |
| Trichlorofluoromethane | 26.87 | 1.0 | ug/L | 30.0 | | 89.6 | 70-152 | | | |
| 1,1-Dichloroethylene | 50.89 | 1.0 | ug/L | 50.0 | | 102 | 70-148 | | | |
| Acetone | 117.9 | 10.0 | ug/L | 101 | | 116 | 43-172 | | | |
| Methyl Iodide | 110.5 | 1.0 | ug/L | 102 | | 108 | 69-170 | | | |
| Carbon Disulfide | 76.48 | 1.0 | ug/L | 103 | | 74.5 | 72-162 | | | |
| Methylene Chloride | 51.38 | 5.0 | ug/L | 50.0 | | 103 | 68-142 | | | |
| Acrylonitrile | 90.93 | 5.0 | ug/L | 100 | | 90.6 | 56-135 | | | |
| trans-1,2-Dichloroethylene | 53.17 | 1.0 | ug/L | 50.0 | | 106 | 66-148 | | | |
| 1,1-Dichloroethane | 52.88 | 1.0 | ug/L | 50.0 | | 106 | 66-143 | | | |
| Vinyl Acetate | 102.8 | 5.0 | ug/L | 100 | | 103 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 51.62 | 1.0 | ug/L | 50.0 | | 103 | 71-149 | | | |
| 2-Butanone (MEK) | 110.8 | 10.0 | ug/L | 102 | | 109 | 52-159 | | | |
| Bromochloromethane | 52.57 | 1.0 | ug/L | 50.0 | | 105 | 69-143 | | | |
| Chloroform | 52.26 | 1.0 | ug/L | 50.0 | | 105 | 69-144 | | | |
| 1,1,1-Trichloroethane | 51.69 | 1.0 | ug/L | 50.0 | | 103 | 62-129 | | | |
| Carbon Tetrachloride | 52.38 | 1.0 | ug/L ug/L | 50.0 | | 105 | | | | |
| Benzene | 53.07 | 1.0 | • | | | 106 | 63-141 | | | |
| 1,2-Dichloroethane | 56.57 | 1.0 | ug/L ug/L | 50.0 | | | 71-134 | | | |
| • | 50.92 | 1.0 | • | 50.0 | | 113 | 72-132 | | | |
| Trichloroethylene 1,2-Dichloropropane | 51.66 | 1.0 | ug/L | 50.0 | | 102 | 71-135 | | | |
| Dibromomethane | 53.48 | 1.0 | ug/L | 50.0 | | 103 | 69-136 | | | |
| Bromodichloromethane | 52.33 | | ug/L | 50.0 | | 107 | 73-147 | | | |
| | 48.84 | 1.0 | ug/L | 50.0 | | 105 | 68-129 | | | |
| cis-1,3-Dichloropropene | 113.2 | 1.0 | ug/L | 50.0 | | 97.7 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 51.24 | 5.0 | ug/L | 100 | | 113 | 58-147 | | | |
| Toluene | 49.52 | 1.0 | ug/L | 50.0 | | 102 | 72-133 | | | |
| trans-1,3-Dichloropropene | 51.38 | 1.0 | ug/L | 50.0 | | 99.0 | 67-130 | | | |
| 1,1,2-Trichloroethane | | 1.0 | ug/L | 50.0 | | 103 | 69-135 | | | |
| Tetrachloroethylene | 51.58 | 1.0 | ug/L | 50.0 | | 103 | 69-130 | | | |
| 2-Hexanone (MBK) | 108.5 | 5.0 | ug/L | 99.3 | | 109 | 55-144 | | | |
| Dibromochloromethane | 51.28 | 1.0 | ug/L | 50.0 | | 103 | 73-127 | | | |
| 1,2-Dibromoethane | 51.91 | 1.0 | ug/L | 50.0 | | 104 | 67-132 | | | |
| Chlorobenzene | 50.99 | 1.0 | ug/L | 50.0 | | 102 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 53.59 | 1.0 | ug/L | 50.0 | | 107 | 73-127 | | | |
| Ethylbenzene | 53.82 | 1.0 | ug/L | 50.0 | | 108 | 71-127 | | | |
| Xylenes, total | 156.5 | 2.0 | ug/L | 150 | | 104 | 74-127 | | | |
| Styrene | 53.57 | 1.0 | ug/L | 50.0 | | 107 | 66-126 | | | |
| Bromoform | 50.30 | 1.0 | ug/L | 50.0 | | 101 | 68-130 | | | |
| 1,2,3-Trichloropropane | 52.59 | 1.0 | ug/L | 50.0 | | 105 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 95.70 | 5.0 | ug/L | 103 | | 93.1 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 51.76 | 1.0 | ug/L | 50.0 | | 104 | 61-131 | | | |
| 1,4-Dichlorobenzene | 49.42 | 1.0 | ug/L | 50.0 | | 98.8 | 70-129 | | | |
| 1,2-Dichlorobenzene | 50.44 | 1.0 | ug/L | 50.0 | | 101 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 45.00 | 5.0 | ug/L | 50.0 | | 90.0 | 50-143 | | | |



| | | | | Spike | Source | | %REC | | RPD | |
|---|----------------|------|--------------|--------------|-------------|------------|--------|--------|-------|------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Note |
| Batch 1HJ1301 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| _CS (1HJ1301-BS2) | | | Prepared: 10 | 0/21/24 00:0 | 0 Analyzed: | 10/22/24 0 | 0:15 | | | |
| Surrogate: Dibromofluoromethane | 51.3 | | ug/L | 50.2 | | 102 | 57-134 | | | |
| Surrogate: Dibromofluoromethane | 51.3 | | ug/L | 50.2 | | 102 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.6 | | ug/L | 50.4 | | 104 | 53-140 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.6 | | ug/L | 50.4 | | 104 | 61-142 | | | |
| Surrogate: Toluene-d8 | 50.5 | | ug/L | 50.5 | | 100 | 86-114 | | | |
| Surrogate: Toluene-d8 | 50.5 | | ug/L | 50.5 | | 100 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.9 | | ug/L | 50.2 | | 99.4 | 78-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.9 | | ug/L | 50.2 | 0 4 1 1 | 99.4 | 80-116 | | | |
| .CS Dup (1HJ1301-BSD1) | 20.77 | 4.0 | Prepared: 10 | | u Analyzeu. | | | | | |
| Chloromethane | 28.77 | 1.0 | ug/L | 30.0 | | 95.9 | 63-155 | 4.65 | 24 | |
| Vinyl Chloride | 27.81 | 1.0 | ug/L | 30.0 | | 92.7 | 70-154 | 4.05 | 25 | |
| Bromomethane | 32.00 | 1.0 | ug/L | 30.0 | | 107 | 52-176 | 3.44 | 27 | |
| Chloroethane | 23.72 | 1.0 | ug/L | 30.0 | | 79.1 | 72-148 | 4.73 | 25 | |
| Trichlorofluoromethane | 23.08 | 1.0 | ug/L | 30.0 | | 76.9 | 70-152 | 5.31 | 26 | |
| 1,1-Dichloroethylene | 42.78 | 1.0 | ug/L | 50.0 | | 85.6 | 70-148 | 3.83 | 24 | |
| Acetone | 96.37 | 10.0 | ug/L | 101 | | 95.2 | 43-172 | 3.03 | 30 | |
| Methyl lodide | 94.39 | 1.0 | ug/L | 102 | | 92.7 | 69-170 | 2.72 | 30 | |
| Carbon Disulfide | 64.32 | 1.0 | ug/L | 103 | | 62.6 | 72-162 | 4.17 | 24 | Q3 |
| Methylene Chloride | 42.95 | 5.0 | ug/L | 50.0 | | 85.9 | 68-142 | 0.742 | 21 | |
| Acrylonitrile | 76.96 | 5.0 | ug/L | 100 | | 76.7 | 56-135 | 0.777 | 16 | |
| trans-1,2-Dichloroethylene | 43.93 | 1.0 | ug/L | 50.0 | | 87.9 | 66-148 | 2.67 | 27 | |
| 1,1-Dichloroethane | 43.12 | 1.0 | ug/L | 50.0 | | 86.2 | 66-143 | 2.43 | 24 | |
| Vinyl Acetate | 91.64 | 5.0 | ug/L | 100 | | 91.6 | 43-153 | 0.0873 | 30 | |
| cis-1,2-Dichloroethylene | 44.31 | 1.0 | ug/L | 50.0 | | 88.6 | 71-149 | 0.293 | 26 | |
| 2-Butanone (MEK) | 93.49 | 10.0 | ug/L | 102 | | 91.8 | 52-159 | 1.52 | 27 | |
| Bromochloromethane | 43.36 | 1.0 | ug/L | 50.0 | | 86.7 | | 0.598 | | |
| Chloroform | 43.75 | 1.0 | ug/L | 50.0 | | 87.5 | 69-143 | | 23 | |
| | 44.07 | | • | | | | 69-144 | 0.887 | 23 | |
| 1,1,1-Trichloroethane | 45.28 | 1.0 | ug/L | 50.0 | | 88.1 | 62-129 | 1.35 | 24 | |
| Carbon Tetrachloride | 45.26 47.83 | 1.0 | ug/L | 50.0 | | 90.6 | 63-141 | 1.27 | 25 | |
| Benzene | | 1.0 | ug/L | 50.0 | | 95.7 | 71-134 | 0.376 | 24 | |
| 1,2-Dichloroethane | 53.08 | 1.0 | ug/L | 50.0 | | 106 | 72-132 | 1.77 | 24 | |
| Trichloroethylene | 46.95 | 1.0 | ug/L | 50.0 | | 93.9 | 71-135 | 0.891 | 24 | |
| 1,2-Dichloropropane | 46.23 | 1.0 | ug/L | 50.0 | | 92.5 | 69-136 | 0.608 | 24 | |
| Dibromomethane | 49.75 | 1.0 | ug/L | 50.0 | | 99.5 | 73-147 | 1.81 | 25 | |
| Bromodichloromethane | 48.03 | 1.0 | ug/L | 50.0 | | 96.1 | 68-129 | 1.98 | 22 | |
| cis-1,3-Dichloropropene | 45.81 | 1.0 | ug/L | 50.0 | | 91.6 | 65-134 | 1.34 | 23 | |
| 4-Methyl-2-pentanone (MIBK) | 103.6 | 5.0 | ug/L | 100 | | 104 | 58-147 | 1.44 | 27 | |
| Toluene | 46.51 | 1.0 | ug/L | 50.0 | | 93.0 | 72-133 | 0.301 | 24 | |
| trans-1,3-Dichloropropene | 47.51 | 1.0 | ug/L | 50.0 | | 95.0 | 67-130 | 1.72 | 24 | |
| 1,1,2-Trichloroethane | 47.32 | 1.0 | ug/L | 50.0 | | 94.6 | 69-135 | 1.58 | 23 | |
| Tetrachloroethylene | 50.18 | 1.0 | ug/L | 50.0 | | 100 | 69-130 | 0.259 | 25 | |
| 2-Hexanone (MBK) | 102.9 | 5.0 | ug/L | 99.3 | | 104 | 55-144 | 1.24 | 25 | |
| Dibromochloromethane | 49.60 | 1.0 | ug/L | 50.0 | | 99.2 | 73-127 | 3.13 | 22 | |



1HJ1337

| | | | | Spike | Source | | %REC | | RPD | Notes |
|--|--------------|------------|--------------|--------------|-------------|--------------|------------------|--------------|----------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HJ1301 - EPA 5030B - EF | PA 8260R | | | | | | | | | |
| LCS Dup (1HJ1301-BSD1) | 702005 | | Prepared: 10 | n/21/24 nn·n | 0 Analyzed | 10/21/24 1 | n·24 | | | |
| 1,2-Dibromoethane | 50.07 | 1.0 | ug/L | 50.0 | 07111172011 | 100 | 67-132 | 2.82 | 24 | |
| Chlorobenzene | 48.07 | 1.0 | ug/L ug/L | 50.0 | | 96.1 | 72-123 | 0.899 | 23 | |
| 1,1,1,2-Tetrachloroethane | 51.22 | 1.0 | ug/L ug/L | 50.0 | | 102 | 72-123 | | 23 24 | |
| Ethylbenzene | 50.70 | 1.0 | ug/L ug/L | 50.0 | | 102 | | 2.13 | | |
| Xylenes, total | 147.0 | 2.0 | ug/L ug/L | 150 | | 98.0 | 71-127 74-127 | 1.39 1.45 | 26 | |
| • | 50.75 | 1.0 | • | 50.0 | | 102 | | | 25 | |
| Styrene | 50.28 | | ug/L | | | | 66-126 | 2.39 | 23 | |
| Bromoform | 49.77 | 1.0 | ug/L | 50.0 | | 101 | 68-130 | 3.93 | 23 | |
| 1,2,3-Trichloropropane | 92.71 | 1.0 | ug/L | 50.0 | | 99.5 | 63-136 | 1.44 | 24 | |
| trans-1,4-Dichloro-2-butene | | 5.0 | ug/L | 103 | | 90.2 | 54-134 | 2.06 | 27 | |
| 1,1,2,2-Tetrachloroethane | 49.96 | 1.0 | ug/L | 50.0 | | 99.9 | 61-131 | 2.80 | 29 | |
| 1,4-Dichlorobenzene | 47.87 | 1.0 | ug/L | 50.0 | | 95.7 | 70-129 | 2.71 | 24 | |
| 1,2-Dichlorobenzene | 48.91 | 1.0 | ug/L | 50.0 | | 97.8 | 69-126 | 3.39 | 26 | |
| 1,2-Dibromo-3-chloropropane | 44.18 | 5.0 | ug/L | 50.0 | | 88.4 | 50-143 | 3.08 | 30 | |
| Surrogate: Dibromofluoromethane | 45.8 | | ug/L | 50.2 | | 91.2 | 57-134 | | | |
| Surrogate: Dibromofluoromethane | 45.8 | | ug/L | 50.2 | | 91.2 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 47.2 | | ug/L | 50.4 | | 93.8 | 53-140 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 47.2 | | ug/L | 50.4 | | 93.8 | 61-142 | | | |
| Surrogate: Toluene-d8 Surrogate: Toluene-d8 | 49.4 | | ug/L | 50.5 | | 97.9 | 86-114 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.4 50.0 | | ug/L ug/L | 50.5 50.2 | | 97.9 99.6 | 82-121 78-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.0 50.0 | | ug/L ug/L | 50.2 50.2 | | 99.6 | 80-116 | | | |
| _CS Dup (1HJ1301-BSD2) | | | Prepared: 10 | | 0 Analyzed: | | | | | |
| Chloromethane | 34.06 | 1.0 | ug/L | 30.0 | | 114 | 63-155 | 4.95 | 24 | |
| Vinyl Chloride | 32.00 | 1.0 | ug/L | 30.0 | | 107 | 70-154 | 4.40 | 25 | |
| Bromomethane | 36.39 | 1.0 | ug/L | 30.0 | | 121 | 52-176 | 4.67 | 27 | |
| Chloroethane | 27.79 | 1.0 | ug/L | 30.0 | | 92.6 | 72-148 | 4.12 | 25 | |
| Trichlorofluoromethane | 26.03 | 1.0 | ug/L | 30.0 | | 86.8 | 70-152 | 3.18 | 26 | |
| 1,1-Dichloroethylene | 49.28 | 1.0 | ug/L | 50.0 | | 98.6 | 70-148 | 3.21 | 24 | |
| Acetone | 119.2 | 10.0 | ug/L | 101 | | 118 | 43-172 | 1.10 | 30 | |
| Methyl lodide | 107.9 | 1.0 | ug/L | 102 | | 106 | 69-170 | 2.35 | 30 | |
| Carbon Disulfide | 73.31 | 1.0 | ug/L | 103 | | 71.4 | 72-162 | 4.23 | 24 | Q3 |
| Methylene Chloride | 49.96 | 5.0 | ug/L | 50.0 | | 99.9 | 68-142 | 2.80 | 21 | ~~ |
| Acrylonitrile | 90.42 | 5.0 | ug/L | 100 | | 90.1 | 56-135 | 0.562 | 16 | |
| trans-1,2-Dichloroethylene | 51.34 | 1.0 | ug/L | 50.0 | | 103 | 66-148 | 3.50 | 27 | |
| 1,1-Dichloroethane | 51.18 | 1.0 | ug/L ug/L | 50.0 | | 103 | 66-143 | 3.27 | | |
| Vinyl Acetate | 102.6 | 5.0 | ug/L ug/L | 100 | | 102 | | | 24 | |
| • | 50.04 | 5.0 1.0 | _ | | | | 43-153 | 0.175 | 30 | |
| cis-1,2-Dichloroethylene | 111.1 | | ug/L | 50.0 | | 100 | 71-149 | 3.11 | 26 | |
| 2-Butanone (MEK) | 52.20 | 10.0 | ug/L | 102 | | 109 | 52-159 | 0.325 | 27 | |
| Bromochloromethane | | 1.0 | ug/L | 50.0 | | 104 | 69-143 | 0.706 | 23 | |
| Chloroform | 51.33 | 1.0 | ug/L | 50.0 | | 103 | 69-144 | 1.80 | 23 | |
| 1,1,1-Trichloroethane | 50.04 | 1.0 | ug/L | 50.0 | | 100 | 62-129 | 3.24 | 24 | |
| Carbon Tetrachloride | 50.53 | 1.0 | ug/L | 50.0 | | 101 | 63-141 | 3.60 | 25 | |
| Benzene | 52.09 | 1.0 | ug/L | 50.0 | | 104 | 71-134 | 1.86 | 24 | |



| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------------|------------|--------------|----------------|------------------|--------------|------------------|--------|--------------|-------|
| Batch 1HJ1301 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| LCS Dup (1HJ1301-BSD2) | | | Prepared: 10 | 0/21/24 00:0 | 0 Analyzed: | 10/22/24 0 | 0:38 | | | |
| 1,2-Dichloroethane | 56.17 | 1.0 | ug/L | 50.0 | | 112 | 72-132 | 0.710 | 24 | |
| Trichloroethylene | 50.28 | 1.0 | ug/L | 50.0 | | 101 | 71-135 | 1.26 | 24 | |
| 1,2-Dichloropropane | 51.01 | 1.0 | ug/L | 50.0 | | 102 | 69-136 | 1.27 | 24 | |
| Dibromomethane | 52.98 | 1.0 | ug/L | 50.0 | | 106 | 73-147 | 0.939 | 25 | |
| Bromodichloromethane | 51.57 | 1.0 | ug/L | 50.0 | | 103 | 68-129 | 1.46 | 22 | |
| cis-1,3-Dichloropropene | 48.44 | 1.0 | ug/L | 50.0 | | 96.9 | 65-134 | 0.822 | 23 | |
| 4-Methyl-2-pentanone (MIBK) | 114.8 | 5.0 | ug/L | 100 | | 115 | 58-147 | 1.37 | 27 | |
| Toluene | 50.29 | 1.0 | ug/L | 50.0 | | 101 | 72-133 | 1.87 | 24 | |
| trans-1,3-Dichloropropene | 49.53 | 1.0 | ug/L | 50.0 | | 99.1 | 67-130 | 0.0202 | 24 | |
| 1,1,2-Trichloroethane | 51.06 | 1.0 | ug/L | 50.0 | | 102 | 69-135 | 0.625 | 23 | |
| Tetrachloroethylene | 49.89 | 1.0 | ug/L | 50.0 | | 99.8 | 69-130 | 3.33 | 25 | |
| 2-Hexanone (MBK) | 110.0 | 5.0 | ug/L | 99.3 | | 111 | 55-144 | 1.37 | 25 | |
| Dibromochloromethane | 50.52 | 1.0 | ug/L | 50.0 | | 101 | 73-127 | 1.49 | 22 | |
| 1,2-Dibromoethane | 51.35 | 1.0 | ug/L | 50.0 | | 103 | 67-132 | 1.08 | 24 | |
| Chlorobenzene | 49.99 | 1.0 | ug/L | 50.0 | | 100 | 72-123 | 1.98 | 23 | |
| 1,1,1,2-Tetrachloroethane | 52.40 | 1.0 | ug/L | 50.0 | | 105 | 72-123 | 2.25 | 23 24 | |
| Ethylbenzene | 52.53 | 1.0 | _ | 50.0 | | 105 | | | | |
| • | 153.2 | 2.0 | ug/L | | | | 71-127 | 2.43 | 26 | |
| Xylenes, total | 52.68 | | ug/L | 150 | | 102 | 74-127 | 2.13 | 25 | |
| Styrene | 50.29 | 1.0 | ug/L | 50.0 | | 105 | 66-126 | 1.68 | 23 | |
| Bromoform | 51.72 | 1.0 | ug/L | 50.0 | | 101 | 68-130 | 0.0199 | 23 | |
| 1,2,3-Trichloropropane | | 1.0 | ug/L | 50.0 | | 103 | 63-136 | 1.67 | 24 | |
| trans-1,4-Dichloro-2-butene | 94.84 | 5.0 | ug/L | 103 | | 92.3 | 54-134 | 0.903 | 27 | |
| 1,1,2,2-Tetrachloroethane | 51.28 | 1.0 | ug/L | 50.0 | | 103 | 61-131 | 0.932 | 29 | |
| 1,4-Dichlorobenzene | 48.86 | 1.0 | ug/L | 50.0 | | 97.7 | 70-129 | 1.14 | 24 | |
| 1,2-Dichlorobenzene | 49.66 | 1.0 | ug/L | 50.0 | | 99.3 | 69-126 | 1.56 | 26 | |
| 1,2-Dibromo-3-chloropropane | 45.25 | 5.0 | ug/L | 50.0 | | 90.5 | 50-143 | 0.554 | 30 | |
| 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 | 52.5 | | ug/L | 50.4 | | 104 | 53-140 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.5 | | ug/L | 50.4 | | 104 | 61-142 | | | |
| Surrogate: Toluene-d8 | 51.0 | | ug/L | 50.5 | | 101 | 86-114 | | | |
| Surrogate: Toluene-d8 | 51.0 | | ug/L | 50.5 | | 101 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene Surrogate: 4-Bromofluorobenzene | 49.6 49.6 | | ug/L ug/L | 50.2 50.2 | | 98.8 98.8 | 78-121 80-116 | | | |
| Matrix Spike (1HJ1301-MS1) | Source: 1 | -IJ1342-01 | Prepared: 10 | | 0 Analyzed: | | | | | |
| Chloromethane | 357.8 | 10.0 | ug/L | 300 | - | 119 | | | | |
| Vinyl Chloride | 334.2 | 10.0 | ug/L ug/L | 300 | ND | 119 | 61-152 | | | |
| Bromomethane | 359.2 | 10.0 | • | | ND | | 66-149 | | | |
| Chloroethane | 288.5 | | ug/L | 300 | ND | 120 | 43-171 | | | |
| | 274.5 | 10.0 | ug/L | 300 | ND | 96.2 | 69-148 | | | |
| Trichlorofluoromethane | | 10.0 | ug/L | 300 | ND | 91.5 | 62-163 | | | |
| 1,1-Dichloroethylene | 511.5 | 10.0 | ug/L | 500 | ND | 102 | 70-148 | | | |
| Acetone | 1189 | 100 | ug/L | 1010 | ND | 118 | 45-173 | | | |
| Methyl Iodide | 1049 | 10.0 | ug/L | 1020 | ND | 103 | 62-167 | | | |



| | | | | Spike | Source | | %REC | | RPD | |
|---------------------------|--------|----|-------|-------|--------|------|--------|-----|-------|-------|
| Determination of Volatile | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Organic Compounds | | | | | | | | | | |

| Matrix Spike (1HJ1301-MS1) | Source: | 1HJ1342-01 | Prepared: 1 | 0/21/24 00:00 | O Analyzed: | 10/22/24 0 | 04:24 |
|----------------------------------|------------|------------|--------------|---------------|-------------|------------|--------------------|
| Carbon Disulfide | 765.6 | 10.0 | ug/L | 1030 | ND | 74.5 | 71-163 |
| Methylene Chloride | 513.6 | 50.0 | ug/L | 500 | ND | 103 | 69-140 |
| Acrylonitrile | 903.2 | 50.0 | ug/L | 1000 | ND | 90.0 | 38-147 |
| trans-1,2-Dichloroethylene | 528.2 | 10.0 | ug/L | 500 | ND | 106 | 69-144 |
| 1,1-Dichloroethane | 526.6 | 10.0 | ug/L | 500 | ND | 105 | 70-138 |
| Vinyl Acetate | 1006 | 50.0 | ug/L | 1000 | ND | 101 | 58-142 |
| cis-1,2-Dichloroethylene | 505.4 | 10.0 | ug/L | 500 | ND | 101 | 68-151 |
| 2-Butanone (MEK) | 1048 | 100 | ug/L | 1020 | ND | 103 | 50-160 |
| Bromochloromethane | 526.0 | 10.0 | ug/L | 500 | ND | 105 | 65-143 |
| Chloroform | 516.2 | 10.0 | ug/L | 500 | ND | 103 | 71-143 |
| 1,1,1-Trichloroethane | 511.6 | 10.0 | ug/L | 500 | ND | 102 | 63-133 |
| Carbon Tetrachloride | 520.3 | 10.0 | ug/L | 500 | ND | 104 | 63-142 |
| Benzene | 530.0 | 10.0 | ug/L | 500 | ND | 106 | 69-133 |
| 1,2-Dichloroethane | 566.1 | 10.0 | ug/L | 500 | ND | 113 | 63-138 |
| Trichloroethylene | 507.9 | 10.0 | ug/L | 500 | ND | 102 | 71-133 |
| 1,2-Dichloropropane | 509.9 | 10.0 | ug/L | 500 | ND | 102 | 69-132 |
| Dibromomethane | 530.2 | 10.0 | ug/L | 500 | ND | 106 | 70-147 |
| Bromodichloromethane | 513.7 | 10.0 | ug/L | 500 | ND | 103 | 67-130 |
| cis-1,3-Dichloropropene | 469.8 | 10.0 | ug/L | 500 | ND | 94.0 | 61-126 |
| 4-Methyl-2-pentanone (MIBK) | 1094 | 50.0 | ug/L | 1000 | ND | 109 | 55-147 |
| Toluene | 506.5 | 10.0 | ug/L | 500 | ND | 101 | 71-133 |
| trans-1,3-Dichloropropene | 481.3 | 10.0 | ug/L | 500 | ND | 96.3 | 63-124 |
| 1,1,2-Trichloroethane | 509.0 | 10.0 | ug/L | 500 | ND | 102 | 69-133 |
| Tetrachloroethylene | 511.4 | 10.0 | ug/L | 500 | ND | 102 | 70-124 |
| 2-Hexanone (MBK) | 1044 | 50.0 | ug/L | 993 | ND | 105 | 53-141 |
| Dibromochloromethane | 505.4 | 10.0 | ug/L | 500 | ND | 101 | 74-122 |
| 1,2-Dibromoethane | 510.0 | 10.0 | ug/L | 500 | ND | 102 | 66-127 |
| Chlorobenzene | 504.8 | 10.0 | ug/L | 500 | ND | 101 | 76-116 |
| 1,1,1,2-Tetrachloroethane | 523.4 | 10.0 | ug/L | 500 | ND | 105 | 77-121 |
| Ethylbenzene | 533.7 | 10.0 | ug/L | 500 | ND | 107 | 73-124 |
| Xylenes, total | 1545 | 20.0 | ug/L | 1500 | ND | 103 | 75-123 |
| Styrene | 527.4 | 10.0 | ug/L | 500 | ND | 105 | 70-120 |
| Bromoform | 492.6 | 10.0 | ug/L | 500 | ND | 98.5 | 70-124 |
| 1,2,3-Trichloropropane | 506.6 | 10.0 | ug/L | 500 | ND | 101 | 62-135 |
| trans-1,4-Dichloro-2-butene | 898.2 | 50.0 | ug/L | 1030 | ND | 87.4 | 50-120 |
| 1,1,2,2-Tetrachloroethane | 506.0 | 10.0 | ug/L | 500 | ND | 101 | 63-126 |
| 1,4-Dichlorobenzene | 486.9 | 10.0 | ug/L | 500 | ND | 97.4 | 72-119 |
| 1,2-Dichlorobenzene | 504.8 | 10.0 | ug/L | 500 | ND | 101 | 71-117 |
| 1,2-Dibromo-3-chloropropane | 439.0 | 50.0 | ug/L | 500 | ND | 87.8 | 49-134 |
| Surrogate: Dibromofluoromethane | 514 | | ua/I | 502 | | 102 | 57-134 |
| Surrogate: Dibromofluoromethane | 514 514 | | ug/L ug/L | 502 502 | | 102 102 | 75-13 4 |
| Surrogate: 1,2-Dichloroethane-d4 | 529 | | ug/L | 504 | | 105 | 53-140 |
| Surrogate: 1,2-Dichloroethane-d4 | 529 | | ug/L | 504 | | 105 | 61-142 |



Spike Source %REC RPD

Determination of Volatile Result RL Units Level Result %REC Limits RPD Limit Notes

Organic Compounds

| Matrix Spike (1HJ1301-MS1) | Source: | 1HJ1342-01 | Prepared: 1 | 10/21/24 00:0 | 0 Analyzed | 10/22/24 0 |)4:24 |
|---------------------------------|---------|------------|-------------|---------------|------------|------------|------------------|
| Surrogate: Toluene-d8 | 509 | | ug/L | 505 | | 101 | 86-114 |
| Surrogate: Toluene-d8 | 509 | | ug/L | 505 | | 101 | 82-121 |
| Surrogate: 4-Bromofluorobenzene | 497 | | ug/L | 502 | | 99.0 | 78-121 |
| Surrogate: 4-Bromofluorobenzene | 497 | | ug/L | 502 | | 99.0 | 80-116 |
| Matrix Spike (1HJ1301-MS2) | Source: | 1HJ1340-05 | Prepared: 1 | 10/21/24 00:0 | 0 Analyzed | 10/22/24 0 | 05:09 |
| Chloromethane | 347.5 | 10.0 | ug/L | 300 | ND | 116 | 61-152 |
| Vinyl Chloride | 335.4 | 10.0 | ug/L | 300 | ND | 112 | 66-149 |
| Bromomethane | 366.9 | 10.0 | ug/L | 300 | ND | 122 | 43-171 |
| Chloroethane | 286.2 | 10.0 | ug/L | 300 | ND | 95.4 | 69-148 |
| Trichlorofluoromethane | 275.3 | 10.0 | ug/L | 300 | ND | 91.8 | 62-163 |
| 1,1-Dichloroethylene | 516.7 | 10.0 | ug/L | 500 | ND | 103 | 70-148 |
| Acetone | 1222 | 100 | ug/L | 1010 | ND | 121 | 45-173 |
| Methyl lodide | 1093 | 10.0 | ug/L | 1020 | ND | 107 | 62-167 |
| Carbon Disulfide | 775.1 | 10.0 | ug/L | 1030 | ND | 75.5 | 71-163 |
| Methylene Chloride | 518.8 | 50.0 | ug/L | 500 | ND | 104 | 69-140 |
| Acrylonitrile | 931.7 | 50.0 | ug/L | 1000 | ND | 92.8 | 38-147 |
| trans-1,2-Dichloroethylene | 537.6 | 10.0 | ug/L | 500 | ND | 108 | 69-144 |
| 1,1-Dichloroethane | 535.3 | 10.0 | ug/L | 500 | ND | 107 | 70-138 |
| Vinyl Acetate | 1044 | 50.0 | ug/L | 1000 | ND | 104 | 58-142 |
| cis-1,2-Dichloroethylene | 516.5 | 10.0 | ug/L | 500 | ND | 103 | 68-151 |
| 2-Butanone (MEK) | 1102 | 100 | ug/L | 1020 | ND | 108 | 50-160 |
| Bromochloromethane | 533.9 | 10.0 | ug/L | 500 | ND | 107 | 65-143 |
| Chloroform | 527.5 | 10.0 | ug/L | 500 | ND | 106 | 71-143 |
| 1,1,1-Trichloroethane | 524.3 | 10.0 | ug/L | 500 | ND | 105 | 63-133 |
| Carbon Tetrachloride | 536.0 | 10.0 | ug/L | 500 | ND | 107 | 63-142 |
| Benzene | 535.6 | 10.0 | ug/L | 500 | ND | 107 | 69-133 |
| 1,2-Dichloroethane | 577.4 | 10.0 | ug/L | 500 | ND | 115 | 63-138 |
| Trichloroethylene | 515.3 | 10.0 | ug/L | 500 | ND | 103 | 71-133 |
| 1,2-Dichloropropane | 520.9 | 10.0 | ug/L | 500 | ND | 104 | 69-132 |
| Dibromomethane | 538.8 | 10.0 | ug/L | 500 | ND | 108 | 70-147 |
| Bromodichloromethane | 524.5 | 10.0 | ug/L | 500 | ND | 105 | 67-130 |
| cis-1,3-Dichloropropene | 483.7 | 10.0 | ug/L | 500 | ND | 96.7 | 61-126 |
| 4-Methyl-2-pentanone (MIBK) | 1146 | 50.0 | ug/L | 1000 | ND | 115 | 55-147 |
| Toluene | 518.7 | 10.0 | ug/L | 500 | ND | 104 | 71-133 |
| trans-1,3-Dichloropropene | 496.1 | 10.0 | ug/L | 500 | ND | 99.2 | 63-124 |
| 1,1,2-Trichloroethane | 519.0 | 10.0 | ug/L | 500 | ND | 104 | 69-133 |
| Tetrachloroethylene | 525.7 | 10.0 | ug/L | 500 | ND | 105 | 70-124 |
| 2-Hexanone (MBK) | 1112 | 50.0 | ug/L | 993 | ND | 112 | 53-141 |
| Dibromochloromethane | 522.0 | 10.0 | ug/L | 500 | ND | 104 | 74-122 |
| 1,2-Dibromoethane | 528.2 | 10.0 | ug/L | 500 | ND | 104 | 66-127 |
| Chlorobenzene | 516.0 | 10.0 | ug/L | 500 | ND | 103 | 76-116 |
| 1,1,1,2-Tetrachloroethane | 538.7 | 10.0 | ug/L | 500 | ND | 108 | 76-116 77-121 |
| 1, 1, 1,2-15tla01ll010Etl1a1lE | 555.7 | 10.0 | ug/L | 500 | טא | 100 | 11-121 |



Spike Source

| | | | | Spike | Source | | %REC | | RPD | |
|---|---------|---------------------------|--------------|--------------|-------------|------------|--------------------|-------|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HJ1301 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike (1HJ1301-MS2) | Source: | 1HJ1340-05 | Prepared: 10 | 0/21/24 00:0 | 0 Analyzed: | 10/22/24 0 | 5:09 | | | |
| Ethylbenzene | 549.3 | 10.0 | ug/L | 500 | ND | 110 | 73-124 | | | |
| Xylenes, total | 1596 | 20.0 | ug/L | 1500 | ND | 106 | 75-123 | | | |
| Styrene | 545.0 | 10.0 | ug/L | 500 | ND | 109 | 70-120 | | | |
| Bromoform | 508.8 | 10.0 | ug/L | 500 | ND | 102 | 70-124 | | | |
| 1,2,3-Trichloropropane | 534.2 | 10.0 | ug/L | 500 | ND | 107 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 953.8 | 50.0 | ug/L | 1030 | ND | 92.8 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 529.2 | 10.0 | ug/L | 500 | ND | 106 | 63-126 | | | |
| 1,4-Dichlorobenzene | 504.5 | 10.0 | ug/L | 500 | ND | 101 | 72-119 | | | |
| 1,2-Dichlorobenzene | 518.5 | 10.0 | ug/L | 500 | ND | 104 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 464.1 | 50.0 | ug/L | 500 | ND | 92.8 | 49-134 | | | |
| Surrogate: Dibromofluoromethane | 508 | | ug/L | 502 | | 101 | 57-134 | | | |
| Surrogate: Dibromofluoromethane | 508 | | ug/L | 502 | | 101 | 75-13 4 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 527 | | ug/L | 504 | | 105 | 53-140 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 527 | | ug/L | 504 | | 105 | 61-142 | | | |
| Surrogate: Toluene-d8 | 507 | | ug/L | 505 | | 101 | 86-114 | | | |
| Surrogate: Toluene-d8 | 507 | | ug/L | 505 | | 101 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 498 | | ug/L | 502 | | 99.4 | 78-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 498 | | ug/L | 502 | | 99.4 | 80-116 | | | |
| fatrix Spike Dup (1HJ1301-MSD1) | Source: | 498 Source: 1HJ1342-01 | | | 0 Analyzed: | 10/22/24 0 | 4:47 | | | |
| Chloromethane | 338.4 | 10.0 | ug/L | 300 | ND | 113 | 61-152 | 5.57 | 26 | |
| Vinyl Chloride | 322.6 | 10.0 | ug/L | 300 | ND | 108 | 66-149 | 3.53 | 23 | |
| Bromomethane | 355.2 | 10.0 | ug/L | 300 | ND | 118 | 43-171 | 1.12 | 29 | |
| Chloroethane | 275.2 | 10.0 | ug/L | 300 | ND | 91.7 | 69-148 | 4.72 | 25 | |
| Trichlorofluoromethane | 265.5 | 10.0 | ug/L | 300 | ND | 88.5 | 62-163 | 3.33 | 25 | |
| 1,1-Dichloroethylene | 492.8 | 10.0 | ug/L | 500 | ND | 98.6 | 70-148 | 3.72 | 22 | |
| Acetone | 1172 | 100 | ug/L | 1010 | ND | 116 | 45-173 | 1.50 | 30 | |
| Methyl lodide | 1055 | 10.0 | ug/L | 1020 | ND | 104 | 62-167 | 0.618 | 24 | |
| Carbon Disulfide | 744.0 | 10.0 | ug/L | 1030 | ND | 72.4 | 71-163 | 2.86 | 22 | |
| Methylene Chloride | 501.1 | 50.0 | ug/L | 500 | ND | 100 | 69-140 | 2.46 | 19 | |
| Acrylonitrile | 894.9 | 50.0 | ug/L | 1000 | ND | 89.1 | 38-147 | 0.923 | 30 | |
| trans-1,2-Dichloroethylene | 516.5 | 10.0 | ug/L | 500 | ND | 103 | 69-144 | 2.24 | 22 | |
| 1,1-Dichloroethane | 509.5 | 10.0 | ug/L | 500 | ND | 102 | 70-138 | 3.30 | 20 | |
| Vinyl Acetate | 1004 | 50.0 | ug/L ug/L | 1000 | ND ND | 102 | | | | |
| cis-1,2-Dichloroethylene | 502.3 | 10.0 | ug/L ug/L | 500 | | | 58-142 | 0.189 | 24 | |
| 2-Butanone (MEK) | 1066 | 10.0 | • | | ND | 100 | 68-151 | 0.615 | 22 | |
| , , | | | ug/L | 1020 | ND | 105 | 50-160 | 1.74 | 23 | |
| Bromochloromethane | 527.1 | 10.0 | ug/L | 500 | ND | 105 | 65-143 | 0.209 | 22 | |
| Chloroform | 509.8 | 10.0 | ug/L | 500 | ND | 102 | 71-143 | 1.25 | 21 | |
| 1,1,1-Trichloroethane | 505.3 | 10.0 | ug/L | 500 | ND | 101 | 63-133 | 1.24 | 23 | |
| Carbon Tetrachloride | 512.1 | 10.0 | ug/L | 500 | ND | 102 | 63-142 | 1.59 | 22 | |
| Benzene | 511.3 | 10.0 | ug/L | 500 | ND | 102 | 69-133 | 3.59 | 18 | |
| 1,2-Dichloroethane | 559.4 | 10.0 | ug/L | 500 | ND | 112 | 63-138 | 1.19 | 20 | |
| Trichloroethylene | 494.4 | 10.0 | ug/L | 500 | ND | 98.9 | 71-133 | 2.69 | 23 | |
| 1,2-Dichloropropane | 505.6 | | ug/L | 500 | ND | 101 | 69-132 | | 20 | |

Microbac Laboratories, Inc., Newton

RPD

%REC



| | | | | Spike | Source | | %REC | | RPD | |
|--|---------|------------|---------------------|---------------------|--------------|------------|----------------|--------|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HJ1301 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| latrix Spike Dup (1HJ1301-MSD1) | Source: | 1HJ1342-01 | Prepared: 1 | 0/21/24 00:0 | 0 Analyzed: | 10/22/24 0 | 4:47 | | | |
| Dibromomethane | 527.3 | 10.0 | ug/L | 500 | ND | 105 | 70-147 | 0.548 | 22 | |
| Bromodichloromethane | 509.6 | 10.0 | ug/L | 500 | ND | 102 | 67-130 | 0.801 | 21 | |
| cis-1,3-Dichloropropene | 470.1 | 10.0 | ug/L | 500 | ND | 94.0 | 61-126 | 0.0638 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 1099 | 50.0 | ug/L | 1000 | ND | 110 | 55-147 | 0.447 | 23 | |
| Toluene | 493.5 | 10.0 | ug/L | 500 | ND | 98.7 | 71-133 | 2.60 | 19 | |
| trans-1,3-Dichloropropene | 482.6 | 10.0 | ug/L | 500 | ND | 96.5 | 63-124 | 0.270 | 21 | |
| 1,1,2-Trichloroethane | 502.7 | 10.0 | ug/L | 500 | ND | 101 | 69-133 | 1.25 | 19 | |
| Tetrachloroethylene | 506.9 | 10.0 | ug/L | 500 | ND | 101 | 70-124 | 0.884 | 24 | |
| 2-Hexanone (MBK) | 1045 | 50.0 | ug/L | 993 | ND | 105 | 53-141 | 0.0766 | 24 | |
| Dibromochloromethane | 506.2 | 10.0 | ug/L | 500 | ND | 101 | 74-122 | 0.158 | 21 | |
| 1,2-Dibromoethane | 513.8 | 10.0 | ug/L | 500 | ND | 103 | 66-127 | 0.742 | 23 | |
| Chlorobenzene | 497.7 | 10.0 | ug/L | 500 | ND | 99.5 | 76-116 | 1.42 | 21 | |
| 1,1,1,2-Tetrachloroethane | 522.6 | 10.0 | ug/L | 500 | ND | 105 | 77-121 | 0.153 | 25 | |
| Ethylbenzene | 525.0 | 10.0 | ug/L | 500 | ND | 105 | 73-124 | 1.64 | 20 | |
| Xylenes, total | 1527 | 20.0 | ug/L | 1500 | ND | 102 | 75-123 | 1.16 | 20 | |
| Styrene | 524.3 | 10.0 | ug/L | 500 | ND | 105 | 70-120 | 0.590 | 23 | |
| Bromoform | 498.5 | 10.0 | ug/L | 500 | ND | 99.7 | 70-124 | 1.19 | 22 | |
| 1,2,3-Trichloropropane | 517.3 | 10.0 | ug/L | 500 | ND | 103 | 62-135 | 2.09 | 28 | |
| trans-1,4-Dichloro-2-butene | 912.3 | 50.0 | ug/L | 1030 | ND | 88.7 | 50-120 | 1.56 | 26 | |
| 1,1,2,2-Tetrachloroethane | 512.7 | 10.0 | ug/L | 500 | ND | 103 | 63-126 | 1.32 | 24 | |
| 1,4-Dichlorobenzene | 484.4 | 10.0 | ug/L | 500 | ND | 96.9 | 72-119 | 0.515 | 24 | |
| 1,2-Dichlorobenzene | 499.1 | 10.0 | ug/L | 500 | ND | 99.8 | 71-117 | 1.14 | 24 | |
| 1,2-Dibromo-3-chloropropane | 434.2 | 50.0 | ug/L | 500 | ND | 86.8 | 49-134 | 1.10 | 28 | |
| Surrogate: Dibromofluoromethane | 512 | | ug/L | 502 | | 102 | 57-134 | | | |
| Surrogate: Dibromofluoromethane | 512 | | ug/L | 502 | | 102 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 531 | | ug/L | 504 | | 105 | 53-140 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 531 | | ug/L | 504 | | 105 | 61-142 | | | |
| Surrogate: Toluene-d8 | 501 | | ug/L | 505 | | 99.4 | 86-114 | | | |
| Surrogate: Toluene-d8 | 501 | | ug/L | 505 | | 99.4 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 500 | | ug/L | 502 | | 99.7 | 78-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 500 | 1HJ1340-05 | ug/L Prepared: 1 | 502 0/21/24 00:0 | IO Analyzed: | 99.7 | 80-116 5:32 | | | |
| atrix Spike Dup (1HJ1301-MSD2) Chloromethane | 337.5 | 10.0 | <u> </u> | | | | | 2.02 | 00 | |
| | 315.4 | | ug/L | 300 | ND | 112 | 61-152 | 2.92 | 26 | |
| Vinyl Chloride Bromomethane | 355.1 | 10.0 | ug/L | 300 | ND | 105 | 66-149 | 6.15 | 23 | |
| | 281.7 | 10.0 | ug/L | 300 | ND | 118 | 43-171 | 3.27 | 29 | |
| Chloroethane Triphloroflyoromethans | | 10.0 | ug/L | 300 | ND | 93.9 | 69-148 | 1.58 | 25 | |
| Trichlorofluoromethane | 262.5 | 10.0 | ug/L | 300 | ND | 87.5 | 62-163 | 4.76 | 25 | |
| 1,1-Dichloroethylene | 494.6 | 10.0 | ug/L | 500 | ND | 98.9 | 70-148 | 4.37 | 22 | |
| Acetone | 1220 | 100 | ug/L | 1010 | ND | 121 | 45-173 | 0.139 | 30 | |
| Methyl lodide | 1068 | 10.0 | ug/L | 1020 | ND | 105 | 62-167 | 2.38 | 24 | |
| Carbon Disulfide | 745.3 | 10.0 | ug/L | 1030 | ND | 72.6 | 71-163 | 3.92 | 22 | |
| Methylene Chloride | 510.6 | 50.0 | ug/L | 500 | ND | 102 | 69-140 | 1.59 | 19 | |
| Acrylonitrile | 918.8 | 50.0 | ug/L | 1000 | ND | 91.5 | 38-147 | 1.39 | 30 | |



| | | | | Spike | Source | | %REC | | RPD | |
|--|--------|--------------|--------------|--------------|--------------|------------|--------|--------|-------|-------|
| Determination of Volatile | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Organic Compounds Batch 1HJ1301 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike Dup (1HJ1301-MSD2) | | : 1HJ1340-05 | Prepared: 1 | 0/21/24 00:0 | 10 Analyzed: | 10/22/24 0 | 5:32 | | | |
| | 518.9 | | | | | | | 0.54 | 00 | |
| trans-1,2-Dichloroethylene | 513.8 | 10.0 | ug/L | 500 | ND | 104 | 69-144 | 3.54 | 22 | |
| 1,1-Dichloroethane | 1030 | 10.0 | ug/L | 500 | ND | 103 | 70-138 | 4.10 | 20 | |
| Vinyl Acetate | | 50.0 | ug/L | 1000 | ND | 103 | 58-142 | 1.37 | 24 | |
| cis-1,2-Dichloroethylene | 499.5 | 10.0 | ug/L | 500 | ND | 99.9 | 68-151 | 3.35 | 22 | |
| 2-Butanone (MEK) | 1127 | 100 | ug/L | 1020 | ND | 111 | 50-160 | 2.23 | 23 | |
| Bromochloromethane | 529.1 | 10.0 | ug/L | 500 | ND | 106 | 65-143 | 0.903 | 22 | |
| Chloroform | 510.3 | 10.0 | ug/L | 500 | ND | 102 | 71-143 | 3.31 | 21 | |
| 1,1,1-Trichloroethane | 505.3 | 10.0 | ug/L | 500 | ND | 101 | 63-133 | 3.69 | 23 | |
| Carbon Tetrachloride | 513.8 | 10.0 | ug/L | 500 | ND | 103 | 63-142 | 4.23 | 22 | |
| Benzene | 518.7 | 10.0 | ug/L | 500 | ND | 104 | 69-133 | 3.21 | 18 | |
| 1,2-Dichloroethane | 570.9 | 10.0 | ug/L | 500 | ND | 114 | 63-138 | 1.13 | 20 | |
| Trichloroethylene | 499.2 | 10.0 | ug/L | 500 | ND | 99.8 | 71-133 | 3.17 | 23 | |
| 1,2-Dichloropropane | 510.8 | 10.0 | ug/L | 500 | ND | 102 | 69-132 | 1.96 | 20 | |
| Dibromomethane | 540.7 | 10.0 | ug/L | 500 | ND | 108 | 70-147 | 0.352 | 22 | |
| Bromodichloromethane | 514.7 | 10.0 | ug/L | 500 | ND | 103 | 67-130 | 1.89 | 21 | |
| cis-1,3-Dichloropropene | 483.2 | 10.0 | ug/L | 500 | ND | 96.6 | 61-126 | 0.103 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 1149 | 50.0 | ug/L | 1000 | ND | 115 | 55-147 | 0.218 | 23 | |
| Toluene | 499.6 | 10.0 | ug/L | 500 | ND | 99.9 | 71-133 | 3.75 | 19 | |
| trans-1,3-Dichloropropene | 495.5 | 10.0 | ug/L | 500 | ND | 99.1 | 63-124 | 0.121 | 21 | |
| 1,1,2-Trichloroethane | 515.6 | 10.0 | ug/L | 500 | ND | 103 | 69-133 | 0.657 | 19 | |
| Tetrachloroethylene | 501.0 | 10.0 | ug/L | 500 | ND | 100 | 70-124 | 4.81 | 24 | |
| 2-Hexanone (MBK) | 1110 | 50.0 | ug/L | 993 | ND | 112 | 53-141 | 0.198 | 24 | |
| Dibromochloromethane | 513.4 | 10.0 | ug/L | 500 | ND | 103 | 74-122 | 1.66 | 21 | |
| 1,2-Dibromoethane | 532.2 | 10.0 | ug/L | 500 | ND | 106 | 66-127 | 0.754 | 23 | |
| Chlorobenzene | 501.1 | 10.0 | ug/L | 500 | ND | 100 | 76-116 | 2.93 | 21 | |
| 1,1,1,2-Tetrachloroethane | 522.9 | 10.0 | ug/L | 500 | ND | 105 | 77-121 | 2.98 | 25 | |
| Ethylbenzene | 524.9 | 10.0 | ug/L | 500 | ND | 105 | 73-124 | 4.54 | 20 | |
| Xylenes, total | 1539 | 20.0 | ug/L | 1500 | ND | 103 | 75-124 | 3.66 | 20 | |
| Styrene | 531.3 | 10.0 | ug/L | 500 | ND | 106 | 70-120 | 2.55 | 23 | |
| Bromoform | 517.2 | 10.0 | _ | 500 | ND | 103 | 70-120 | 1.64 | | |
| 1,2,3-Trichloropropane | 534.6 | 10.0 | ug/L | 500 | | 107 | | | 22 | |
| trans-1,4-Dichloro-2-butene | 943.8 | | ug/L | | ND | | | 0.0748 | 28 | |
| · | 513.1 | 50.0 | ug/L | 1030 | ND | 91.8 | 50-120 | 1.05 | 26 | |
| 1,1,2,2-Tetrachloroethane | | 10.0 | ug/L | 500 | ND | 103 | 63-126 | 3.09 | 24 | |
| 1,4-Dichlorobenzene | 487.6 | 10.0 | ug/L | 500 | ND | 97.5 | 72-119 | 3.41 | 24 | |
| 1,2-Dichlorobenzene | 503.1 | 10.0 | ug/L | 500 | ND | 101 | 71-117 | 3.01 | 24 | |
| 1,2-Dibromo-3-chloropropane | 455.6 | 50.0 | ug/L | 500 | ND | 91.1 | 49-134 | 1.85 | 28 | |
| Surrogate: Dibromofluoromethane | 511 | | ug/L | 502 | | 102 | 57-134 | | | |
| Surrogate: Dibromofluoromethane | 511 | | ug/L ug/L | 502 502 | | 102 102 | 75-136 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 531 | | ug/L | 504 | | 105 | 53-140 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 531 | | ug/L | 504 | | 105 | 61-142 | | | |
| Surrogate: Toluene-d8 | 507 | | ug/L | 505 | | 100 | 86-114 | | | |
| Surrogate: Toluene-d8 | 507 | | ug/L | 505 | | 100 | 82-121 | | | |
| Surrogate: 4-Bromofluorobenzene | 498 | | ug/L | 502 | | 99.3 | 78-121 | | | |

Microbac Laboratories, Inc., Newton



Spike Source

%REC

RPD

| | | | | Spike | Source | | %REC | | RPD | |
|---|------------|-----------|--------------|--------------------------|---------------|--------------|--------|-------|-------|-------|
| Determination of Volatile Organic Compounds | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HJ1301 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Matrix Spike Dup (1HJ1301-MSD2) | Source: 1F | IJ1340-05 | Prepared: 10 | 0/21/24 00:0 | 00 Analyzed: | 10/22/24 0 | 5:32 | | | |
| Surrogate: 4-Bromofluorobenzene | 498 | | ug/L | 502 | | 99.3 | 80-116 | | | |
| Batch 1HJ1355 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| Blank (1HJ1355-BLK1) | | | Prepared: 10 | 0/22/24 00:0 | 00 Analyzed: | 10/22/24 1 | 1:05 | | | |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | | | | | | |
| Surrogate: Dibromofluoromethane | 49.7 | | ug/L | 50.2 | | 99.0 | 57-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 53.4 | | ug/L | 50.4 | | 106 | 53-140 | | | |
| Surrogate: Toluene-d8 | 47.5 | | ug/L | 50.5 | | 94.2 | 86-114 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.8 | | ug/L | 50.2 | | 99.2 | 78-121 | | | |
| Blank (1HJ1355-BLK2) | | | Prepared: 10 | | 00 Analyzed: | | | | | |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | | | | | | |
| Surrogate: Dibromofluoromethane | 47.7 | | ug/L | 50.2 | | 95.0 | 57-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.7 | | ug/L | 50.4 | | 103 | 53-140 | | | |
| Surrogate: Toluene-d8 | 47.4 | | ug/L ug/L | 50. 4 50.5 | | 93.8 | 86-114 | | | |
| Surrogate: 4-Bromofluorobenzene | | | J | | | | | | | |
| - | 49.6 | | ug/L | 50.2 | NO Amaluzadu | 98.8 | 78-121 | | | |
| LCS (1HJ1355-BS1) | 00.00 | | Prepared: 10 | | o Analyzed: | | | | | |
| Acrylonitrile | 90.68 | 5.0 | ug/L | 50.2 | | 181 | 56-135 | | | Q2 |
| Surrogate: Dibromofluoromethane | 49.9 | | ug/L | 50.2 | | 99.4 | 57-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.1 | | ug/L | 50.4 | | 103 | 53-140 | | | |
| Surrogate: Toluene-d8 | 49.8 | | ug/L | 50.5 | | 98.8 | 86-114 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.4 | | ug/L | 50.2 | | 98.4 | 78-121 | | | |
| LCS (1HJ1355-BS2) | | | Prepared: 10 | 0/22/24 00:0 | 00 Analyzed: | 10/22/24 2 | 3:01 | | | |
| Acrylonitrile | 85.78 | 5.0 | ug/L | 50.2 | | 171 | 56-135 | | | Q2 |
| Surrogate: Dibromofluoromethane | 47.2 | | ug/L | 50.2 | | 94.0 | 57-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.5 | | ug/L | 50.4 | | 98.3 | 53-140 | | | |
| Surrogate: Toluene-d8 | 49.8 | | ug/L | 50.5 | | 98.7 | 86-114 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.1 | | ug/L | 50.2 | | 99.9 | 78-121 | | | |
| LCS Dup (1HJ1355-BSD1) | | | Prepared: 10 | 0/22/24 00:0 | 00 Analyzed: | 10/22/24 1 | 0:20 | | | |
| Acrylonitrile | 88.06 | 5.0 | ug/L | 50.2 | | 175 | 56-135 | 2.93 | 16 | Q2 |
| Surrogate: Dibromofluoromethane | 50.2 | | ug/L | 50.2 | | 100 | 57-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.2 | | ug/L ug/L | 50.2 50.4 | | 104 | 53-140 | | | |
| Surrogate: Toluene-d8 | 50.0 | | ug/L ug/L | 50. 4 50.5 | | 99.0 | 86-114 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.9 | | ug/L ug/L | 50.5 50.2 | | 99.0 99.4 | 78-121 | | | |
| - | 79.9 | | Prepared: 10 | |)Λ Δnalvzed· | | | | | |
| LCS Dup (1HJ1355-BSD2) Acrylonitrile | 85.67 | 5.0 | ug/L | 50.2 | 70 Alialyzeu. | 171 | 56-135 | 0.128 | 16 | Q2 |
| 7.0.3.0.110.110 | | 0.0 | ug/L | 50.2 | | 1/ 1 | 30-133 | 0.120 | | |
| Surrogate: Dibromofluoromethane | 47.1 | | ug/L | 50.2 | | 93.7 | 57-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.9 | | ug/L | 50.4 | | 99.0 | 53-140 | | | |
| | | | | | | | 86-114 | | | |



| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|-----------------------|-----------|--------------|-------------------|------------------|-------------------|----------------|-------|--------------|-------|
| Batch 1HJ1355 - EPA 5030B - EPA | 8260B | | | | | | | | | |
| LCS Dup (1HJ1355-BSD2) | | | Prepared: 10 | 0/22/24 00:0 | 0 Analyzed: | 10/22/24 | 23:23 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.0 | | ug/L | 50.2 | | 99.7 | 78-121 | | | |
| Matrix Spike (1HJ1355-MS1) | Source: 1 | HJ1617-04 | Prepared: 10 | 0/22/24 00:0 | 0 Analyzed: | 10/22/24 | 21:30 | | | |
| Acrylonitrile | 851.1 | 50.0 | ug/L | 502 | ND | 170 | 38-147 | | | M1 |
| Surrogate: Dibromofluoromethane | 469 | | ug/L | 502 | | 93.3 | 57-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 492 | | ug/L | 504 | | 97.7 | 53-140 | | | |
| Surrogate: Toluene-d8 | 498 | | ug/L | 505 | | 98.7 | 86-114 | | | |
| Surrogate: 4-Bromofluorobenzene | 500 | | ug/L | 502 | | 99.7 | 78-121 | | | |
| Matrix Spike (1HJ1355-MS2) | Source: 1 | HJ1633-01 | Prepared: 10 | 0/22/24 00:0 | 0 Analyzed: | 10/23/24 | 08:04 | | | |
| Acrylonitrile | 917.8 | 50.0 | ug/L | 502 | ND | 183 | 38-147 | | | M1 |
| Surrogate: Dibromofluoromethane | 468 | | ug/L | 502 | | 93.3 | 57-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 499 | | ug/L | 504 | | 99.1 | 53-140 | | | |
| Surrogate: Toluene-d8 | 502 | | ug/L | 505 | | 99.4 | 86-114 | | | |
| Surrogate: 4-Bromofluorobenzene | 500 | | ug/L | 502 | | 99.6 | 78-121 | | | |
| Matrix Spike Dup (1HJ1355-MSD1) | | HJ1617-04 | Prepared: 10 | | 0 Analyzed: | | | | | |
| Acrylonitrile | 857.2 | 50.0 | ug/L | 502 | ND | 171 | 38-147 | 0.714 | 30 | M1 |
| Surrogate: Dibromofluoromethane | 472 | | ug/L | 502 | | 94.0 | 57-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 500 | | ug/L | 504 | | 9 4 .0 | 53-140 | | | |
| Surrogate: Toluene-d8 | 501 | | ug/L | 50 - 7 | | 99.3 | 86-114 | | | |
| Surrogate: 4-Bromofluorobenzene | 496 | | ug/L | 502 | | 98.9 | 78-121 | | | |
| Matrix Spike Dup (1HJ1355-MSD2) | | HJ1633-01 | Prepared: 10 | | 0 Analvzed: | | | | | |
| Acrylonitrile | 880.4 | 50.0 | ug/L | 502 | ND | 175 | 38-147 | 4.16 | 30 | M1 |
| • | | | 9 | | 112 | | 00 111 | 1.10 | | |
| Surrogate: Dibromofluoromethane | 467 | | ug/L | 502 | | 93.1 | 57-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 500 | | ug/L | 504 | | 99.2 | 53-140 | | | |
| Surrogate: Toluene-d8 | 498 | | ug/L | 505 | | 98.7 | 86-114 | | | |
| Surrogate: 4-Bromofluorobenzene | 504 | | ug/L | 502 | | 100 | 78-121 | | | |
| | | | | Spike | Source | | %REC | | RPD | |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HJ1006 - General Prep Micr | o - SM 5210 B | | | | | | | | | |
| Blank (1HJ1006-BLK1) | | | Prepared: 10 |)/16/24 17:1 | 9 Analyzed: | 10/16/24 | 18:42 | | | |
| BOD (5 day) | <2 | 2 | mg/L | | | | | | | |
| Duplicate (1HJ1006-DUP2) | Source: 1 | HJ1321-01 | Prepared: 10 | 0/16/24 17:1 | 9 Analyzed: | 10/16/24 | 19:47 | | | |
| BOD (5 day) | 243 | 24 | mg/L | | 242 | | | 0.412 | 30 | |
| Reference (1HJ1006-SRM1) | | | Prepared: 10 | 0/16/24 17:1 | 9 Analyzed: | 10/16/24 | 18:57 | | | |
| BOD (5 day) | 203 | 100 | mg/L | 198 | | 102 | 84.6-115.4 | ļ | | |
| Batch 1HJ1020 - Wet Chem Prepara | ation - USGS I-3765-8 | 35 | | | | | | | | |



| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------------------|---------------|-----------------|------------------------------|------------------|----------|----------------|--------|--------------|-------|
| Blank (1HJ1020-BLK1) | | | Prepared: 10 |)/17/24 08:3 | 7 Analyzed: | 10/21/24 | 09:50 | | | |
| Total Suspended Solids (TSS) | <1 | 1 | mg/L | | | | | | | |
| LCS (1HJ1020-BS1) | | | Prepared: 10 |)/17/24 08:3 | 7 Analyzed: | 10/21/24 | 09:50 | | | |
| Total Suspended Solids (TSS) | 15.9 | 1 | mg/L | 15.0 | | 106 | 71-110 | | | |
| Duplicate (1HJ1020-DUP1) | Source | e: 1HJ1331-01 | Prepared: 10 |)/17/24 08:3 | 7 Analyzed: | 10/21/24 | 09:50 | | | |
| Total Suspended Solids (TSS) | 70.0 | 1 | mg/L | | 74.0 | | | 5.56 | 30 | |
| Batch 1HJ1022 - Wet Chem Prepar | ation - USGS I-175 | 0-85 | | | | | | | | |
| Blank (1HJ1022-BLK1) | | | Prepared: 10 |)/17/24 08:4 | 5 Analyzed: | 10/17/24 | 12:30 | | | |
| Total Dissolved Solids (TDS) | <5 | 5 | mg/L | | | | | | | |
| LCS (1HJ1022-BS1) | | | Prepared: 10 |)/17/24 08:4 | 5 Analyzed: | 10/17/24 | 12:30 | | | |
| Total Dissolved Solids (TDS) | 96 | 5 | mg/L | 100 | | 96.5 | 79-114 | | | |
| Duplicate (1HJ1022-DUP1) | Source | e: 1HJ1211-01 | Prepared: 10 |)/17/24 08:4 | 5 Analyzed: | 10/17/24 | 12:30 | | | |
| Total Dissolved Solids (TDS) | 1700 | 5 | mg/L | | 1730 | | | 1.56 | 24 | |
| Batch 1HJ1125 - Wet Chem Prepar | ation - 2320B | | | | | | | | | |
| Blank (1HJ1125-BLK1) | | | Prepared: 10 |)/18/24 10:4 | 2 Analyzed: | 10/18/24 | 14:58 | | | |
| Alkalinity, as CaCO3 | <10 | 10 | mg/L | | | | | | | |
| LCS (1HJ1125-BS1) | | | Prepared: 10 |)/18/24 10:4 | 2 Analyzed: | 10/18/24 | 14:58 | | | |
| Alkalinity, as CaCO3 | 50.4 | 10 | mg/L | 50.0 | | 101 | 82-112 | | | |
| Matrix Spike (1HJ1125-MS1) | Source | e: 1HJ1319-04 | Prepared: 10 |)/18/24 10:4 | 2 Analyzed: | 10/18/24 | 14:58 | | | |
| Alkalinity, as CaCO3 | 200 | 10 | mg/L | 50.0 | 163 | 73.2 | 70-113 | | | |
| Matrix Spike Dup (1HJ1125-MSD1) | Source | e: 1HJ1319-04 | Prepared: 10 |)/18/24 10:4 | 2 Analyzed: | 10/18/24 | 14:58 | | | |
| Alkalinity, as CaCO3 | 201 | 10 | mg/L | 50.0 | 163 | 75.6 | 70-113 | 0.600 | 10 | |
| Batch 1HJ1184 - Wet Chem Prepar | ation - EPA 9040 | | | | | | | | | |
| Duplicate (1HJ1184-DUP1) | Source | e: 1HJ1337-04 | Prepared & A | Analyzed: 10 | 0/21/24 09:10 | 3 | | | | |
| рН | 6.29 | 0.5 | pН | | 6.29 | | | 0.0318 | 10 | |
| Reference (1HJ1184-SRM1) | | | Prepared & A | Analyzed: 10 | 0/21/24 09:16 | ô | | | | |
| рН | 6.96 | 0.5 | рН | 7.00 | | 99.4 | 98.6-101. | 4 | | |
| Reference (1HJ1184-SRM2) | | | | | 0/04/04 00 4/ | 3 | | | | |
| | | | Prepared & A | Analyzed: 10 | 0/21/24 09:10 | • | | | | |
| pH | 7.00 | 0.5 | pH | 7.00 | 0/21/24 09:10 | 99.9 | 98.6-101. | 4 | | |
| · , | | | · | - | 0/21/24 09:10 | | 98.6-101. | 4 | | |
| рН | | | · | 7.00 | | 99.9 | | 4 | | |
| pH Batch 1HJ1226 - General Prep HPL | | | рН | 7.00 | | 99.9 | | 4 | | |
| pH Batch 1HJ1226 - General Prep HPL Blank (1HJ1226-BLK1) Nitrogen, Ammonia | _C/IC - TIMBERLIN | E | pH Prepared: 10 | 7.00 7.00 0/21/24 14:4 | 6 Analyzed: | 99.9 | 14:09 | 4 | | |
| pH Batch 1HJ1226 - General Prep HPL Blank (1HJ1226-BLK1) | _C/IC - TIMBERLIN | E | pH Prepared: 10 | 7.00 7.00 0/21/24 14:4 | 6 Analyzed: | 99.9 | 14:09 | 4 | | |



| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|----------------|-------------------|--------------|----------------|------------------|------------|----------------|--------|--------------|-------|
| Batch 1HJ1226 - General Prep HPLC | /IC - TIMBERI | LINE | | | | | | | | |
| Matrix Spike (1HJ1226-MS1) | So | urce: 1HJ1325-02 | Prepared: 10 | 0/21/24 14:4 | 6 Analyzed: | 10/22/24 1 | 4:12 | | | |
| Nitrogen, Ammonia | 4.24 | 0.10 | mg/L | 5.06 | 0.181 | 80.3 | 84-115 | | | M2 |
| Matrix Spike Dup (1HJ1226-MSD1) | So | urce: 1HJ1325-02 | Prepared: 10 | 0/21/24 14:4 | 6 Analyzed: | 10/22/24 1 | 4:14 | | | R |
| Nitrogen, Ammonia | 5.92 | 0.10 | mg/L | 5.06 | 0.181 | 113 | 84-115 | 33.0 | 20 | |
| Batch 1HJ1457 - Wet Chem Prepara | tion - EPA 410 | .4 | | | | | | | | |
| Blank (1HJ1457-BLK1) | | | Prepared: 10 | 0/24/24 07:4 | 8 Analyzed: | 10/24/24 1 | 1:05 | | | |
| COD, total | <54 | 54 | mg/L | | | | | | | |
| LCS (1HJ1457-BS1) | | | Prepared: 10 | 0/24/24 07:4 | 8 Analyzed: | 10/24/24 1 | 1:05 | | | |
| COD, total | 1050 | 108 | mg/L | 1000 | | 105 | 90-110 | | | |
| Matrix Spike (1HJ1457-MS1) | So | urce: 1HJ1376-04 | Prepared: 10 | 0/24/24 07:4 | 8 Analyzed: | 10/24/24 1 | 1:05 | | | |
| COD, total | 1070 | 108 | mg/L | 1000 | ND | 107 | 90-110 | | | |
| Matrix Spike Dup (1HJ1457-MSD1) | So | urce: 1HJ1376-04 | Prepared: 10 | 0/24/24 07:4 | 8 Analyzed: | 10/24/24 1 | 1:05 | | | |
| COD, total | 1100 | 108 | mg/L | 1000 | ND | 110 | 90-110 | 2.10 | 10 | |
| Determination of Inorganic Anions | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch 1HJ1779 - General Prep HPLC | :/IC - EPA 905 | 6 | | | | | | | | |
| Blank (1HJ1779-BLK1) | | | Prepared & | Analyzed: 10 |)/25/24 10:0 | 7 | | | | |
| Chloride | <1.0 | 1.0 | mg/L | | | | | | | |
| Sulfate | <1.0 | 1.0 | mg/L | | | | | | | |
| LCS (1HJ1779-BS1) | | | Prepared & | Analyzed: 10 |)/25/24 10:4 | 4 | | | | |
| Chloride | 15.53 | 1.0 | mg/L | 15.3 | | 102 | 80-120 | | | |
| Sulfate | 34.71 | 1.0 | mg/L | 34.2 | | 102 | 80-120 | | | |
| LCS Dup (1HJ1779-BSD1) | | | Prepared & | Analyzed: 10 |)/25/24 11:0 | 2 | | | | |
| Chloride | 15.54 | 1.0 | mg/L | 15.3 | | 102 | | 0.0386 | 10 | |
| Sulfate | 34.70 | 1.0 | mg/L | 34.2 | | 102 | 80-120 | 0.0461 | 10 | |
| Matrix Spike (1HJ1779-MS1) | | urce: 1HJ1352-01 | Prepared & | Analyzed: 10 |)/25/24 13:1 | 8 | | | | |
| Chloride | 425.9 | 10.0 | mg/L | 153 | 280.6 | 95.0 | 81-116 | | | |
| Sulfate | 831.5 | 10.0 | mg/L | 342 | 498.3 | 97.6 | 87-113 | | | |
| Matrix Spike Dup (1HJ1779-MSD1) | | urce: 1HJ1352-01 | Prepared & | | | | | | | |
| Chloride | 424.1 | 10.0 | mg/L | 153 | 280.6 | 93.9 | 81-116 | 0.416 | 10 | |
| Sulfate | 842.6 | 10.0 | mg/L | 342 | 498.3 | 101 | 87-113 | 1.32 | 10 | |
| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch 1HJ1084 - EPA 3005A Total Re | | | Jillo | 20461 | Nosuit | /UIALO | Lillito | IXI D | | |
| | COVERABLE IVIE | iuis - Li A UUZUA | | | | 10/16/51 = | 0.54 | | | |
| Blank (1HJ1084-BLK1) | | | Prepared: 10 | J/17/24 15:5 | ı Analyzed: | 10/18/24 2 | 2:54 | | | |



| | | | | Spike | Source | | %REC | | RPD | Notes |
|------------------------------------|--------------------|---|--------------|--------------|-------------|------------|--------|-----|-------|-------|
| Determination of Total Metals | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1HJ1084 - EPA 3005A Total Re | coverable Metals - | - EPA 6020A | | | | | | | | |
| Blank (1HJ1084-BLK1) | | Prepared: 10/17/24 15:51 Analyzed: 10/18/24 22:54 | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Barium, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Cadmium, total | <0.0008 | 8000.0 | mg/L | | | | | | | |
| Chromium, total | <0.0080 | 0.0080 | mg/L | | | | | | | |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | | | | | | | |
| Copper, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Lead, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Nickel, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Selenium, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Silver, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Thallium, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | | | | | | | |
| Zinc, total | <0.0200 | 0.0200 | mg/L | | | | | | | |
| LCS (1HJ1084-BS1) | | | Prepared: 10 | 0/17/24 15:5 | 1 Analyzed: | 10/18/24 2 | 3:00 | | | |
| Antimony, total | 0.0946 | 0.0020 | mg/L | 0.100 | | 94.6 | 80-120 | | | |
| Arsenic, total | 0.0953 | 0.0040 | mg/L | 0.100 | | 95.3 | 80-120 | | | |
| Barium, total | 0.104 | 0.0040 | mg/L | 0.100 | | 104 | 80-120 | | | |
| Beryllium, total | 0.0974 | 0.0040 | mg/L | 0.100 | | 97.4 | 80-120 | | | |
| Cadmium, total | 0.0916 | 0.0008 | mg/L | 0.100 | | 91.6 | 80-120 | | | |
| Chromium, total | 0.0919 | 0.0080 | mg/L | 0.100 | | 91.9 | 80-120 | | | |
| Cobalt, total | 0.0958 | 0.0004 | mg/L | 0.100 | | 95.8 | 80-120 | | | |
| Copper, total | 0.0929 | 0.0040 | mg/L | 0.100 | | 92.9 | 80-120 | | | |
| Lead, total | 0.0986 | 0.0040 | mg/L | 0.100 | | 98.6 | 80-120 | | | |
| Nickel, total | 0.0929 | 0.0040 | mg/L | 0.100 | | 92.9 | 80-120 | | | |
| Selenium, total | 0.0934 | 0.0040 | mg/L | 0.100 | | 93.4 | 80-120 | | | |
| Silver, total | 0.0964 | 0.0040 | mg/L | 0.100 | | 96.4 | 80-120 | | | |
| Thallium, total | 0.0913 | 0.0020 | mg/L | 0.100 | | 91.3 | 80-120 | | | |
| Vanadium, total | 0.0951 | 0.0200 | mg/L | 0.100 | | 95.1 | 80-120 | | | |
| Zinc, total | 0.0910 | 0.0200 | mg/L | 0.100 | | 91.0 | 80-120 | | | |
| Matrix Spike (1HJ1084-MS1) | Source: | 1HJ1337-01 | Prepared: 10 | 0/17/24 15:5 | 1 Analyzed: | 10/18/24 2 | 3:24 | | | |
| Antimony, total | 0.0958 | 0.0020 | mg/L | 0.100 | ND | 95.8 | 75-125 | | | |
| Arsenic, total | 0.0953 | 0.0040 | mg/L | 0.100 | 0.0013 | 94.0 | 75-125 | | | |
| Barium, total | 0.242 | 0.0040 | mg/L | 0.100 | 0.136 | 106 | 75-125 | | | |
| Beryllium, total | 0.0965 | 0.0040 | mg/L | 0.100 | ND | 96.5 | 75-125 | | | |
| Cadmium, total | 0.0940 | 0.0008 | mg/L | 0.100 | ND | 94.0 | 75-125 | | | |
| Chromium, total | 0.0924 | 0.0080 | mg/L | 0.100 | 0.0007 | 91.7 | 75-125 | | | |
| Cobalt, total | 0.0939 | 0.0004 | mg/L | 0.100 | ND | 93.9 | 75-125 | | | |
| Copper, total | 0.0891 | 0.0040 | mg/L | 0.100 | ND | 89.1 | 75-125 | | | |
| Lead, total | 0.0964 | 0.0040 | mg/L | 0.100 | ND | 96.4 | 75-125 | | | |
| Nickel, total | 0.0935 | 0.0040 | mg/L | 0.100 | 0.0016 | 91.9 | 75-125 | | | |
| Selenium, total | 0.0967 | 0.0040 | mg/L | 0.100 | ND | 96.7 | 75-125 | | | |



1HJ1337

| Determination of Total Metals | Decult | DI | l luita | Spike | Source | 0/ BEC | %REC | DDD | RPD Limit | Notes |
|--|--------------------|---|---|--------|----------|--------|--------|-------|--------------|-------|
| Determination of Total Metals | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | |
| Batch 1HJ1084 - EPA 3005A Total Recoverable Metals - EPA 6020A | | | | | | | | | | |
| Matrix Spike (1HJ1084-MS1) | Source: 1HJ1337-01 | | Prepared: 10/17/24 15:51 Analyzed: 10/18/24 23:24 | | | | | | | |
| Silver, total | 0.0955 | 0.0040 | mg/L | 0.100 | ND | 95.5 | 75-125 | | | |
| Thallium, total | 0.0919 | 0.0020 | mg/L | 0.100 | ND | 91.9 | 75-125 | | | |
| Vanadium, total | 0.0977 | 0.0200 | mg/L | 0.100 | ND | 97.7 | 75-125 | | | |
| Zinc, total | 0.0911 | 0.0200 | mg/L | 0.100 | ND | 91.1 | 75-125 | | | |
| Matrix Spike Dup (1HJ1084-MSD1) | Source | Prepared: 10/17/24 15:51 Analyzed: 10/18/24 23:43 | | | | | | | | |
| Antimony, total | 0.0945 | 0.0020 | mg/L | 0.100 | ND | 94.5 | 75-125 | 1.31 | 20 | |
| Arsenic, total | 0.0917 | 0.0040 | mg/L | 0.100 | 0.0013 | 90.3 | 75-125 | 3.89 | 20 | |
| Barium, total | 0.244 | 0.0040 | mg/L | 0.100 | 0.136 | 108 | 75-125 | 0.720 | 20 | |
| Beryllium, total | 0.0936 | 0.0040 | mg/L | 0.100 | ND | 93.6 | 75-125 | 3.06 | 20 | |
| Cadmium, total | 0.0903 | 0.0008 | mg/L | 0.100 | ND | 90.3 | 75-125 | 4.08 | 20 | |
| Chromium, total | 0.0905 | 0.0080 | mg/L | 0.100 | 0.0007 | 89.8 | 75-125 | 2.04 | 20 | |
| Cobalt, total | 0.0908 | 0.0004 | mg/L | 0.100 | ND | 90.8 | 75-125 | 3.37 | 20 | |
| Copper, total | 0.0850 | 0.0040 | mg/L | 0.100 | ND | 85.0 | 75-125 | 4.78 | 20 | |
| Lead, total | 0.0939 | 0.0040 | mg/L | 0.100 | ND | 93.9 | 75-125 | 2.62 | 20 | |
| Nickel, total | 0.0905 | 0.0040 | mg/L | 0.100 | 0.0016 | 88.9 | 75-125 | 3.24 | 20 | |
| Selenium, total | 0.0947 | 0.0040 | mg/L | 0.100 | ND | 94.7 | 75-125 | 2.06 | 20 | |
| Silver, total | 0.0935 | 0.0040 | mg/L | 0.100 | ND | 93.5 | 75-125 | 2.17 | 20 | |
| Thallium, total | 0.0904 | 0.0020 | mg/L | 0.100 | ND | 90.4 | 75-125 | 1.69 | 20 | |
| Vanadium, total | 0.0949 | 0.0200 | mg/L | 0.100 | ND | 94.9 | 75-125 | 2.93 | 20 | |
| Zinc, total | 0.0901 | 0.0200 | mg/L | 0.100 | ND | 90.1 | 75-125 | 1.12 | 20 | |
| Post Spike (1HJ1084-PS1) | Source | Prepared: 10/17/24 15:51 Analyzed: 10/18/24 23:49 | | | | | | | | |
| Antimony, total | 0.0767 | | mg/L | 0.0800 | 0.0003 | 95.4 | 80-120 | | | |
| Arsenic, total | 0.0745 | | mg/L | 0.0800 | 0.0013 | 91.5 | 80-120 | | | |
| Barium, total | 0.217 | | mg/L | 0.0800 | 0.133 | 105 | 80-120 | | | |
| Beryllium, total | 0.0775 | | mg/L | 0.0800 | 0.000005 | 96.8 | 80-120 | | | |
| Cadmium, total | 0.0749 | | mg/L | 0.0800 | -0.00001 | 93.6 | 80-120 | | | |
| Chromium, total | 0.0740 | | mg/L | 0.0800 | 0.0007 | 91.6 | 80-120 | | | |
| Cobalt, total | 0.0738 | | mg/L | 0.0800 | 0.0001 | 92.1 | 80-120 | | | |
| Copper, total | 0.0713 | | mg/L | 0.0800 | 0.0006 | 88.3 | 80-120 | | | |
| Lead, total | 0.0768 | | mg/L | 0.0800 | 0.00002 | 96.0 | 80-120 | | | |
| Nickel, total | 0.0730 | | mg/L | 0.0800 | 0.0015 | 89.4 | 80-120 | | | |
| Selenium, total | 0.0712 | | mg/L | 0.0800 | 0.0004 | 88.5 | 80-120 | | | |
| Silver, total | 0.0776 | | mg/L | 0.0800 | 0.0001 | 96.9 | 80-120 | | | |
| Thallium, total | 0.0741 | | mg/L | 0.0800 | 0.0001 | 92.5 | 80-120 | | | |
| Vanadium, total | 0.0781 | | mg/L | 0.0800 | 0.0031 | 93.7 | 80-120 | | | |
| Zinc, total | 0.0727 | | mg/L | 0.0800 | 0.0031 | 87.0 | 80-120 | | | |

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

Volatile Organic Compounds Result RL Units Level Result %REC Limits RPD Limit Notes by GCMS



Microbac Laboratories, Inc., Newton CERTIFICATE OF ANALYSIS

1HJ1337

| Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|------|-------------|----------------|------------------|------------|----------------|------|--------------|-------|
| by GCMS | Result | KL | Ullits | Level | Result | /0KEC | Lillits | KFD | Lillin | |
| Batch B4J1197 - 5021 - EPA RSK-17 | 75 | | | | | | | | | |
| Blank (B4J1197-BLK1) | | | Prepared: 1 | 0/22/24 14:0 | 1 Analyzed: | 10/22/24 1 | 4:37 | | | |
| Methane | <5.00 | 5.00 | ug/L | | | | | | | |
| Ethene | <5.00 | 5.00 | ug/L | | | | | | | |
| Ethane | <5.00 | 5.00 | ug/L | | | | | | | |
| Propane | <5.00 | 5.00 | ug/L | | | | | | | |
| LCS (B4J1197-BS1) | | | Prepared: 1 | 0/22/24 14:0 | 1 Analyzed: | 10/22/24 1 | 4:50 | | | |
| Methane | 107 | 5.00 | ug/L | 114.1884 | | 93.8 | 85-115 | | | |
| Ethene | 181 | 5.00 | ug/L | 199.6873 | | 90.7 | 85-115 | | | |
| Ethane | 192 | 5.00 | ug/L | 213.9965 | | 89.6 | 85-115 | | | |
| Propane | 271 | 5.00 | ug/L | 313.9185 | | 86.3 | 85-115 | | | |
| LCS Dup (B4J1197-BSD1) | | | Prepared: 1 | 0/22/24 14:0 | 1 Analyzed: | 10/22/24 1 | 5:03 | | | |
| Methane | 110 | 5.00 | ug/L | 114.1884 | | 96.3 | 85-115 | 2.65 | 40 | |
| Ethene | 184 | 5.00 | ug/L | 199.6873 | | 92.3 | 85-115 | 1.74 | 40 | |
| Ethane | 195 | 5.00 | ug/L | 213.9965 | | 91.0 | 85-115 | 1.51 | 40 | |
| Propane | 275 | 5.00 | ug/L | 313.9185 | | 87.6 | 85-115 | 1.50 | 40 | |
| Batch B4J1225 - 5021 - EPA RSK-17 | 75 | | | | | | | | | |
| Blank (B4J1225-BLK1) | | | Prepared: 1 | 0/23/24 10:4 | 0 Analyzed: | 10/23/24 1 | 3:12 | | | |
| Methane | <5.00 | 5.00 | ug/L | | | | | | | |
| Ethene | <5.00 | 5.00 | ug/L | | | | | | | |
| Ethane | <5.00 | 5.00 | ug/L | | | | | | | |
| Propane | <5.00 | 5.00 | ug/L | | | | | | | |
| LCS (B4J1225-BS1) | | | Prepared: 1 | 0/23/24 10:4 | 0 Analyzed: | 10/23/24 1 | 3:26 | | | |
| Methane | 111 | 5.00 | ug/L | 114.1884 | | 97.6 | 85-115 | | | |
| Ethene | 204 | 5.00 | ug/L | 199.6873 | | 102 | 85-115 | | | |
| Ethane | 216 | 5.00 | ug/L | 213.9965 | | 101 | 85-115 | | | |
| Propane | 319 | 5.00 | ug/L | 313.9185 | | 102 | 85-115 | | | |
| LCS Dup (B4J1225-BSD1) | | | Prepared: 1 | 0/23/24 10:4 | 0 Analyzed: | 10/23/24 1 | 3:40 | | | |
| Methane | 126 | 5.00 | ug/L | 114.1884 | | 110 | 85-115 | 11.9 | 40 | |
| Ethene | 230 | 5.00 | ug/L | 199.6873 | | 115 | 85-115 | 12.0 | 40 | |
| Ethane | 246 | 5.00 | ug/L | 213.9965 | | 115 | 85-115 | 12.6 | 40 | |
| Propane | 368 | 5.00 | ug/L | 313.9185 | | 117 | 85-115 | 14.3 | 40 | Q |



Microbac Laboratories, Inc., Newton CERTIFICATE OF ANALYSIS 1HJ1337

Definitions

A15: Proper preservation cannot be achieved due to the sample matrix.

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.

M1: Matrix spike recovery is above acceptance limits.M2: Matrix spike recovery is below acceptance limits.

MDL: Minimum Detection Limit

Q: One or more quality control criteria failed.Q2: LCS recovery is above acceptance limits.

Q3: LCS recovery is below acceptance limits. The reported value is estimated.

R1: Duplicate RPD is outside acceptance criteria.

RL: Reporting Limit

RPD: Relative Percent Difference

S: Spike recovery outside of acceptance limits.

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 4.9°C

Cooler Inspection Checklist

Custody SealsNoContainers IntactYesCOC/Labels AgreeYesPreservation ConfirmedNoReceived On IceYes

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:

seather am urphy

Heather Murphy

Customer Relationship Specialist heather.murphy@microbac.com 11/01/24 08:14

CHAIN OF CUST





HLW Engineering
PM: Heather Murphy

Page 1 of 1/2 ped: 9/30/2024 2:59:01P 89 abe www.keystonelabs.com

MICROBAC®

| | | | | | | | | vw.keysto | nelabs.com |
|---------|--|---------|---------------------------|---|--|--|-------------------------|--------------------------------------|--|
| SITE | INFORMATION | | REF | PORT TO | | | INVOICE T | 0 | |
| Sample | r: Poss WHIPPLE | | | | | | Don Ballala | | |
| Projec | t: Marshall Sanitary Landfill-B1 | | 1 | / Engineering West Broad S | | 1.40 | 2313 Marsh | eunty Landfill alltown Blvd | |
| | 6003 | | Ston | y City, IA 502 | 48 | - Au) | Marshalltow | m, IA 50158 | J |
| SPEC | IAL INSTRUCTIONS | | LAB USE ONLY Custody Seal | | | | | | |
| Not | ne in the second se | , | Work C | Order | 133 | | Custody | | |
| Turn Ar | ound Time ndard RUSH, need by/ | ./) | Tempe Turn-C | | 4.9 | 1 | | els Agree ion Confirmed on Ice | |
| | | | Sample | | | Number of | | | Lab Sample |
| umber | Sample Identification / Client ID | Matrix | Туре | Date | Time | Containers | Analy | /ses | Number |
| ()() f | MW-66 (B) DRY | Aqueous | GRAB | 10/15/24 | SECURITY AND ADDRESS ASSESSMENT AND ADDRESS ASSESSMENT ASSESSMENT ADDRESS ASSESSMENT ADDRESS ASSESSMENT ADDRESS ASSESSMENT ASSESSMENT ADDRESS ASSESSMENT ASSESSMENT ADDRESS ASSESSMENT A | 0 | hulfill-app1-voc-group | ImHIII-14pp1-me(abs-6020 | NACO A STANSANCIA DA PARA DA CANTA DA C |
| -001 | MW-85 (B) | Aqueous | GRAB | 10/15/24 | 11:33 | 7 | Indfill-app1-vnc-group | Indff1-app1-metals-6020 | 01 |
| 00.0 | Emai oo (FV) | Aduonic | CDAD | tonic post annual management and a second of the second | 14.50 | Annual and Annual Annua | hidfill-con 1-voc-group | bulfil-son 1-metals-6000 | 57 |

| | | | | \$1.00 to the first and the first thinks are makened for the | AND REAL PROPERTY OF THE PROPE | ALTERNATION AND INCIDENT AND IN | | |
|--------|------------|---------|------|---|--|--|---|------------------------------------|
| -001 | MW-05 (B) | Aqueous | GRAB | 10/15/24 | 11:33 | enancement and for large transport frames as trades? | hdfill-որը1-vnc-group hdfil-որը1-meids-6020 | 01 |
| -001 | MW-98 (B) | Aqueous | GRAB | 10/15/24 | 14:53 | y | hdfill-spp1-voc-group hdfill-spp1-mefals-6020 | 02 |
| QQ 1 | MV4-99 (B) | Aqueous | GRAB | 10 15 24 | 10:10 | 7 | Indfill-app1-voc-group Indfil-app1-me6ds-6020 | 03 |
| m()()1 | MW49 | Aqueous | GRAB | 10 15 24 Serios contractivo de contr | 12:38 | disconnection of the control and transfer and all | alk-caca3-2320 Indfili-app1-voc-group Indfili-app1-metals-6020 permgas-rsk-175 | O44 |
| -001 | and sa | Aqueous | GRAB | 10-15-24 | 12:20 Villestade a stricture de la INNA SA | Vision de la participa de la constitución de la con | ph-9040 alk-caco3-2320 Indfill-appi-voc-group Indfill-appi-metals-6020 permgas-rsk-175 | DANGE SERVICE META-ACADAS SERVICES |
| 4 | | | | | | | ph-9040 | |
| | | | | | | | | |
| | | | | | | | | |

| Relinquished By | Date/Time | Relinquianta By X | Date/Time /6//6/2024 /0:24, | Remarks: | |
|-----------------|-----------|---------------------|-----------------------------|----------|--|
| Received By | Date/Time | Received for Lab By | Date/Time | | |
| • | | Original - Lab Copy | Yellow - Sampler Copy | | |

CHAIN OF CUS



600 East 17th Street Sou Newton, IA 50208 641-792-8451



HLW Engineering PM: Heather Murphy

Page 2 of to be inted: 9/30/2024 2:59:01P 89 abe

| SITE INFORMATION | REPORT TO | INVOICE TO |
|---|---|--|
| Project: Marshall Sanitary Landfill-B1 6003 | Todd Whipple HLW Engineering 204 West Broad St Story City, IA 50248 | Don Ballalatak Marshall County Landfill 2313 Marshalltown Blvd Marshalltown, IA 50158 |
| None SPECIAL INSTRUCTIONS | Work Order Temperature | Custody Seal Containers Intact |
| Turn Around Time Standard RUSH, need by// | Turn-Cooler: No | COC/Labels Agree Preservation Confirmed Received on Ice |

| | | | Sample | | | Number of | | Lab Sample |
|--------|-----------------------------------|---------|--------|----------|-------|--|---|--|
| Number | Sample Identification / Client ID | Matrix | Type | Date | Time | Containers | Analyses | Number |
| OO | 164-21 | Acueous | GRAB | 10/15/24 | 1548 | | alk-caeco3-2320 Indfill-app1-vnc-group Indfill-app1-metals-6020 permgas-rsk-175 ph-9040 | SALVANA ANTO ANTO ANTO ANTO ANTO ANTO ANTO A |
| -00 | 8 (1.4.1 / 1.7) 103 8 4 ~ C / | Aqueous | GRAB | 10 15 24 | 15:36 | ************************************** | hulfill-app1-voc-group hulfil-app1-mebds-6020 | 67 |
| OQ 1 | MAY-99 | Aqueous | GRAB | 10 15 24 | 15:20 | 7 | hdfil-գոր1-vac-group hdfil-գոր1-mebds-6020 | 8 |
| -001 | EKAL OA | Aqueous | GRAB | 10/15/24 | 15:09 | 7 | հուննե-գոր 1-voc-group հուննե-գոր 1-տունեո-6020 | 00 |
| -001 | mar-63 | Aqueous | GRAB | 10 15 24 | 9:53 | 7 | hdfill-որբ1-voc-group hdfill-որբ1-meնds-6020 | +0- |
| QO | 15°4-94 | Aqueous | GRAB | 10 15 24 | 12:03 | | alk-eaco3-2320 Indfill-app1-voe-group Indfill-app1-metals-6020 permgas-rsk-175 ph-9040 | And the consensation of the |
| | | | | f | | p P | | |

| -000 | Weligo 10 | 116/24 | | - I - I - I - I - I - I - I - I - I - I | |
|-----------------|-----------|---------------------|-----------------------|---|--|
| Relinquished By | Date/Time | Relinquished By | Date/Time | Remarks: | |
| | | | 1 | | |
| | 6.6 | (M) 1291 | 10/16/2010 10:261 | in | |
| Received By | Date/Time | Received for Lab By | Date/fime | 17 | |
| | | Original - Lab Copy | Yellow - Sampler Copy | | |

Received By

Date/Time

600 East 17th Stree Newton, IA 50208 641-792-8451



HLW Engineering

Printed: 9/30/2024 2:59:01P

Page 3 of Company Page 3 of Company Printed: 9/30/2024 2:59:01P 2 obed 2:59:01P 2 obed 2:59:01P 2 obed 2:59:01P
| | | | | | PM: Hea | ather Murphy | | www.ncystc | niciabs.com | |
|-------------------|---------------------------------|--------------|-----------------|--|--|---|--|------------------------------|--|--|
| SITE INFORM | MATION | | RE | POR | | | INVOICE T | 0 | | |
| Sampler: | arshall Sanitary Landfill-B1 | | HLW | d Whipple V Engineering West Broad | | | Don Ballalatak Marshall County Landfill 2313 Marshalltown Blvd | | | |
| 60 | 003 | | Stor | y City, IA 502 | 248 | | Marshalltov | vn, IA 50158 | | |
| SPECIAL INS | STRUCTIONS - | | LAI | B USE ONLY | | | | | | |
| None | | | Work (| | | | Custody | | | |
| Turn Around Ti | me RUSH, need by/ | / | Tempe Turn-C | erature Cooler: No | 4.9 | , · · · | | oels Agree tion Confirmed | | |
| Number Sam | nple Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Anal | yses | Lab Sample Number | |
| -001 554-05 | | Aqueous | GRAB | 10 15 24 | 11:07 | all according to a construction described as placed, percentage | Indfill-app1-voc-group | Indff1-:գրբ1me6.ds-6020 | 12 | |
| -001 MW-96 | SPR . | Aqueous | GRAB | 10 15 24 | 13:59 | 97 (60.7.8.1) (10.1.1) (10.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. | Indfill-որբ1-voc-g-ուր | Indf[[-:գրр1-metals-6020 | B | |
| -001 MW-97 | 7 | Aqueous | GRAB | 10/15/24 | 11:49 | 7 | Indfill-app1-voc-group | Indffl-upp1-metals-6020 | AMERICA PLANS DE AMERICA DE DESCRIPTOR DE DE | |
| -001 SRAM | PB Tile Dry | Aqueous | GRAB | 10/15/24 | Let Eco de l'extra mont dell'alla della constantia della | O constant and distribution and the standard lates and the standard | Indfill-wpp1-voc-group | hidfH-app1-metids-6020 | on the second reference across across about 18 EV | |
| -OOI PECC | B Dry | Aqueous | GRAB | 10/15/24 | A NAME OF THE PARTY AND A PARTY OF | CALLED BY AND DEPOSIT OF THE PARTY. | dno.B-20A-Lddr-Ilijpii | | BUT STEELS OF THE STEELS OF THE STEELS | |
| -001 Duplic | ate | Aqueous | GRAB | 10/15/24 | Anguero de el comisso de casa del Millo de la Casa Mandra de Casa de C | | In dûli napî we get p | Indfli-app1-metals-6020 | 15 | |
| | | | | | | | , 3 | | | |
| Relinquished By | Date/Time (ofice/24) | Relinquished | Ву | | Date/Time | Re | emarks: | | | |

Original - Lab Copy Yellow - Sampler Copy

CHAIN OF C



600 East 17th Street S Newton, IA 50208 641-792-8451



HLW Engineering
PM: Heather Murphy

Page 4 of

Printed: 9/30/2024 2:59:01P

www.keystonelabs.com

| SITE INFORMATION | | REPORT TO | | | INVOICE TO | | | | |
|--|--|---|-----------|-------------------------|---|----------------------|--|--|--|
| Project: Marshall Sanitary Landfill-B1 | | Todd Whipple HLW Engineering 204 West Broad Story City, IA 502 | St | | Don Ballalatak Marshall County Landfill 2313 Marshalltown Blvd Marshalltown, IA 50158 | | | | |
| SPECIAL INSTRUCTIONS None | | - LAB USE ONLY ork Order | | | Custody Seal Containers Intact | | | | |
| Turn Around Time Standard RUSH, need by//_ | To | emperature ern-Cooler: No | 4.9 | 7 | COC/Labels Agree Preservation Confirmed Received on Ice | | | | |
| Number Sample Identification / Client ID | Sam Matrix Tyr | | Time | Number of Containers | Analyses | Lab Sample Number | | | |
| -001 LW-75 | Aqueous G | RAB 10 / 15/24 | 13:07 | | alk-caco3-2320 as-f-6020 bod-5210 cl-9056-w cod-t-410.4 cc-t-6020 nh3-timberline permgas-rsk-175 ph-9040 so4-9056-w tds-i-1750-85 tss-i-3765-85 | | | | |
| \ / | Mingulation By Mingulation Age Mingulation Lab | 7 // | Date/Time | 10:26 kg | marks: | | | | |

Original - Lab Copy Yellow - Sampler Copy

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 | 1/9/18 | 4/17/18 |
| Well | <u>NTU</u> |
| 49 | 0.62 | | 0.62 | | 0.18 | 1.68 | 1.03 | 2.32 | | 0.39 | 13.70 | 11.77 |
| 54 | 1.73 | | 1.72 | | 1.76 | 2.30 | 4.38 | 6.96 | | 0.24 | | 36.03 |
| 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 | | 1.23 |
| 85 | 1.44 | 15.50 | 11.12 | 7.89 | 12.72 | 4.86 | 0.67 | 8.96 | | 0.63 | | 0.63 |
| 87 | 0.11 | | 0.93 | | 0.11 | 0.60 | 0.18 | 0.43 | | 0.28 | | 0.39 |
| 89 | 0.79 | | 1.62 | | 1.02 | 1.21 | 0.36 | 0.59 | | 0.16 | | 0.69 |
| 91 | 1.93 | | 0.28 | | 0.38 | 0.71 | 0.37 | 0.96 | 1.75 | 0.54 | 3.54 | 0.60 |
| 93 | 1.14 | | 4.69 | | 17.38 | 91.67 | 7.28 | 16.02 | | 0.79 | | 0.97 |
| 94 | 1.79 | | 34.27 | | 1.66 | 26.86 | 1.74 | 5.29 | | 6.52 | | 3.60 |
| 95 | 0.99 | | 0.19 | | 2.34 | 9.23 | 0.26 | 13.66 | | 1.85 | | 1.02 |
| 96R | | | | | | | | | | | | |
| 97 | 8.91 | | 1.62 | | 1.15 | 1.29 | 0.41 | 3.89 | | 3.64 | | 0.66 |
| 98 | | | | | | | 2.53 | 96.54 | | 1.95 | | 94.24 |
| 99 | | | | | | | 1.62 | 3.10 | | 42.22 | | 12.68 |
| | | | | | | | | | | | | |
| Max | 14.42 | 15.50 | 34.27 | 7.89 | 17.38 | 91.67 | 7.28 | 96.54 | 1.75 | 42.22 | 13.70 | 94.24 |
| Min | 0.11 | 1.93 | 0.19 | 0.16 | 0.11 | 0.60 | 0.18 | 0.43 | 1.75 | 0.16 | 3.54 | 0.39 |
| Median | 1.44 | 8.72 | 1.62 | 4.03 | 1.02 | 1.68 | 0.67 | 3.89 | 1.75 | 1.32 | 8.62 | 1.00 |
| Average | 2.92 | 8.72 | 4.95 | 4.03 | 3.05 | 11.32 | 1.55 | 11.70 | 1.75 | 4.90 | 8.62 | 11.79 |

Marshall

Field Turbic

No-Purge

| | 7/2/18 | 10/22/18 | 4/22/19 | 10/23/19 | 4/10/20 | 10/19/20 | 1/7/21 | 4/5/21 | 7/2/21 | 10/8/21 | 4/6/22 | 10/25/22 |
|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <u>Well</u> | <u>NTU</u> |
| 49 | | 21.71 | 2.42 | 1.33 | 3.03 | 12.50 | | 2.11 | | 1.32 | 2.73 | 1.22 |
| 54 | | 1.81 | 2.84 | 27.00 | 67.72 | 8.40 | | 11.60 | | 7.42 | 13.66 | 2.27 |
| 66 | | | | | | | | | | | | |
| 81 | | 5.52 | 1.68 | 0.69 | 1.85 | 1.05 | | 7.06 | | 1.06 | 9.07 | 1.54 |
| 85 | | 0.82 | 1.07 | 1.95 | 1.29 | 5.18 | | 2.47 | | 1.41 | 2.78 | 2.22 |
| 87 | | 0.49 | 0.85 | 0.87 | 0.82 | 1.77 | | 2.28 | | 1.44 | 1.13 | 1.05 |
| 89 | | 0.92 | 0.71 | 1.53 | 0.90 | 0.80 | | 3.46 | | 1.40 | 1.49 | 1.21 |
| 91 | 2.95 | 0.70 | 1.02 | 0.94 | 0.83 | 2.54 | 1.73 | 2.11 | | 3.35 | 6.64 | 1.37 |
| 93 | | 1.24 | 72.30 | 4.73 | 3.08 | 1.20 | | 2.25 | 2.95 | 5.85 | 1.35 | 59.40 |
| 94 | | 0.88 | 17.74 | 1.47 | 52.74 | 11.90 | | 36.96 | | 1.48 | 8.26 | 1.97 |
| 95 | | 0.72 | 0.72 | 0.62 | 1.13 | 4.40 | | 4.89 | | 2.10 | 1.76 | 3.20 |
| 96R | | | | | | | | 153.60 | 7.92 | 8.12 | 59.05 | 20.70 |
| 97 | | 2.99 | 2.15 | 1.01 | 1.19 | 0.92 | | 1.89 | | 9.53 | 1.09 | 1.72 |
| 98 | | 3.84 | 26.54 | 12.50 | 16.20 | 1.97 | | 9.80 | | 11.07 | 5.72 | 12.70 |
| 99 | | 1.62 | 1.55 | 20.00 | 1.12 | 1.97 | | 2.44 | | 3.73 | 1.48 | 1.70 |
| | | | | | | | | | | | | |
| Max | 2.95 | 21.71 | 72.30 | 27.00 | 67.72 | 12.50 | 1.73 | 153.60 | 7.92 | 11.07 | 59.05 | 59.40 |
| Min | 2.95 | 0.49 | 0.71 | 0.62 | 0.82 | 0.80 | 1.73 | 1.89 | 2.95 | 1.06 | 1.09 | 1.05 |
| Median | 2.95 | 1.08 | 1.62 | 1.44 | 1.57 | 1.97 | 1.73 | 2.97 | 5.44 | 2.73 | 2.76 | 1.85 |
| Average | 2.95 | 3.13 | 9.46 | 5.43 | 11.22 | 4.20 | 1.73 | 17.35 | 5.44 | 4.23 | 8.30 | 8.02 |

Marshall

Field Turbic

No-Purge

Average

6.41

3.77

19.40

8.05

33.91

1.95

4.74

| 110 1 41 9 |)1 | | | | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|--------|------|-------|---------|
| | 4/10/23 | 7/7/23 | 7/20/23 | 10/13/23 | 4/16/24 | 7/18/24 | 10/15/24 | Max | Min | Ave | Std Dev |
| Well | <u>NTU</u> | | | | |
| 49 | 2.07 | | | 1.54 | 14.83 | | 8.80 | 21.71 | 0.18 | 4.91 | 6.06 |
| 54 | 6.93 | | | 43.51 | 19.53 | | 5.99 | 67.72 | 0.24 | 13.04 | 17.24 |
| 66 | | | | | | | | 3.28 | 0.13 | 1.00 | 1.09 |
| 81 | 6.07 | | | 3.19 | 1.56 | | 2.50 | 12.67 | 0.35 | 3.52 | 3.22 |
| 85 | 0.80 | | | 3.97 | 6.76 | | 2.99 | 15.50 | 0.63 | 4.27 | 4.28 |
| 87 | 1.01 | | | 3.22 | 1.82 | | 2.53 | 3.22 | 0.11 | 1.06 | 0.84 |
| 89 | 1.12 | | | 2.98 | 2.11 | | 2.66 | 3.46 | 0.16 | 1.32 | 0.85 |
| 91 | 1.16 | | | 3.15 | 1.69 | | 3.20 | 6.64 | 0.28 | 1.78 | 1.44 |
| 93 | 1.35 | | | 2.31 | 5.75 | | 3.49 | 91.67 | 0.79 | 13.96 | 25.49 |
| 94 | 5.76 | | | 2.91 | 6.96 | | 4.00 | 52.74 | 0.88 | 11.18 | 14.41 |
| 95 | 1.70 | | | 2.81 | 2.27 | | 4.31 | 13.66 | 0.19 | 2.87 | 3.23 |
| 96R | 2.44 | 3.77 | 19.40 | 13.98 | 14.22 | | 14.54 | 153.60 | 2.44 | 28.89 | 44.12 |
| 97 | 4.38 | | | 1.32 | 2.20 | 1.95 | 1.95 | 9.53 | 0.41 | 2.54 | 2.40 |
| 98 | 53.92 | | | 29.91 | 393.50 | | 6.06 | 393.50 | 1.95 | 45.82 | 0.00 |
| 99 | 0.98 | | | 2.59 | 1.60 | | 3.34 | 42.22 | 0.98 | 6.10 | 0.00 |
| | | | | | | | | | | | |
| Max | 53.92 | 3.77 | 19.40 | 43.51 | 393.50 | 1.95 | 14.54 | | | | |
| Min | 0.80 | 3.77 | 19.40 | 1.32 | 1.56 | 1.95 | 1.95 | | | | |
| Median | 1.89 | 3.77 | 19.40 | 3.07 | 4.01 | 1.95 | 3.42 | | | | |
| | | | | | | | | | | | |

Appendix E

Running Summary of Prediction Limit Exceedances

<u>Inorganic – Compound concentrations that exceed the Prediction Limits</u>

| 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 hackgroun | |

^{*}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 |
| | 1 00 |
| 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-9 | 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 2022 the supplemental wells were not | anage male atod for angoden are of the |
| *starting in 2023 the supplemental wells were no la Prediction Limits | onger evaluatea for exceedances of the |
| 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 |
| IVI VV JUIC TIUIIC | IVI VV JUIX TIONE |

| 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 |

Organic - Statistically Significant Increases (SSI)

| Spring 2013 | | Fall 2013 | |
|-------------------------------|----------------------------|--------------|----------------------------|
| MW-49 – | 1,1-dichloroethane | MW-49 – | 1,1-dichloroethane |
| | 1,4-dichlorobenzene | | 1,4-dichlorobenzene |
| | benzene | | chloroethane |
| | chloroethane | | cis-1,2-dichloroethylene |
| | cis-1,2-dichloroethylene | | vinyl chloride |
| | vinyl chloride | | |
| MW-54 – | 1,1-dichloroethane | MW-54 – | 1,1-dichloroethane |
| | chloroethane | | 1,4-dichlorobenzene |
| | cis-1,2-dichloroethylene | | benzene |
| | , , | | chloroethane |
| | | | cis-1,2-dichloroethylene |
| MW-81 – | 1,1-dichloroethane | MW-81 – | 1,1-dichloroethane |
| W1 W -01 — | 1,2-dichloroethane | IVI VV -01 — | 1,2-dichloroethane |
| | | | |
| | 1,2-dichloropropane | | 1,2-dichloropropane |
| | 1,4-dichlorobenzene | | 1,4-dichlorobenzene |
| | benzene | | benzene |
| | chloroethane | | chloroethane |
| | cis-1,2-dichloroethylene | | cis-1,2-dichloroethylene |
| | tetrachloroethene | | tetrachloroethene |
| | trans-1,2-dichloroethylene | | trans-1,2-dichloroethylene |
| | trichloroethene | | trichloroethene |
| | vinyl chloride | | vinyl chloride |
| MW-94 – | 1,1-dichloroethane | MW-94 – | 1,1-dichloroethane |
| | 1,2-dichloropropane | | 1,2-dichloropropane |
| | benzene | | benzene |
| | chloroethane | | chloroethane |
| | cis-1,2-dichloroethylene | | cis-1,2-dichloroethylene |
| | trans-1,2-dichloroethylene | | trans-1,2-dichloroethylene |
| | trichloroethylene | | trichloroethylene |
| | vinyl chloride. | | vinyl chloride |
| Carring 2014 | * | Fall 2014 | villyl chloride |
| <u>Spring 2014</u> MW-49 – | | Fall 2014 | 1 / 1: 1.1 1 |
| WI W -49 — | 1,1-dichloroethane | MW-49 – | 1,4-dichlorobenzene |
| | 1,4-dichlorobenzene | | benzene |
| | chloroethane | | chloroethane |
| | cis-1,2-dichloroethylene | | cis-1,2-dichloroethylene |
| | vinyl chloride | | vinyl chloride |
| MW-54 – | 1,1-dichloroethane | MW-54 – | 1,1-dichloroethane |
| | 1,4-dichlorobenzene | | 1,4-dichlorobenzene |
| | chloroethane | | benzene |
| | cis-1,2-dichloroethylene | | chloroethane |
| | • | | cis-1,2-dichloroethylene |
| | | | vinyl chloride |
| MW-81 – | 1,1-dichloroethane | MW-81 – | 1,1-dichloroethane |
| | 1,2-dichloroethane | 1,1,, 01 | 1,2-dichloroethane |
| | 1,2-dichloropropane | | 1,2-dichloropropane |
| | | | |
| | 1,4-dichlorobenzene | | 1,4-dichlorobenzene |
| | chloroethane | | chloroethane |
| | cis-1,2-dichloroethylene | | cis-1,2-dichloroethylene |
| | trans-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 | 4 4 1 1 4 | Fall 2015 | 4 4 1 1 4 |
| 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-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-dichloropropane 1,4-dichlorobenzene benzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride |
| MW-89 - MW-94 - | bis(2 ethylhexyl) phthalate 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 | vinyi emoriae |
| MW-49 – MW-54 – | 1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride 1,1-dichloroethane 1,4-dichlorobenzene chloroethane cis-1,2-dichloroethylene | MW-49 – MW-54 – | 1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane cis-1,2-dichloroethylene vinyl chloride 1,1-dichloroethane 1,4-dichlorobenzene benzene chloroethane |
| MW-81 – | vinyl chloride 1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene | MW-81 – | cis-1,2-dichloroethylene vinyl chloride 1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane 1,4-dichlorobenzene |

| MW-91 – MW-94 – | benzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride none 1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane Benzene chloroethane | MW-91 – MW-94 – | benzene chlorobenzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene trichloroethene vinyl chloride 1,1-dichloroethane 1,2-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 | MW-81 – | 1,1-dichloroethane 1,2-dichloroethane 1,2-dichloropropane acetone chloroethane cis-1,2-dichloroethylene vinyl chloride |
| MW-94 – | vinyl chloride 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 | <u> </u> | 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-dichloroethane 1,2-dichloropropane benzene chloroethane cis-1,2-dichloroethylene trans-1,2-dichloroethylene 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-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 |

bis (2-ethylhexyl)phthalate (ug/L)

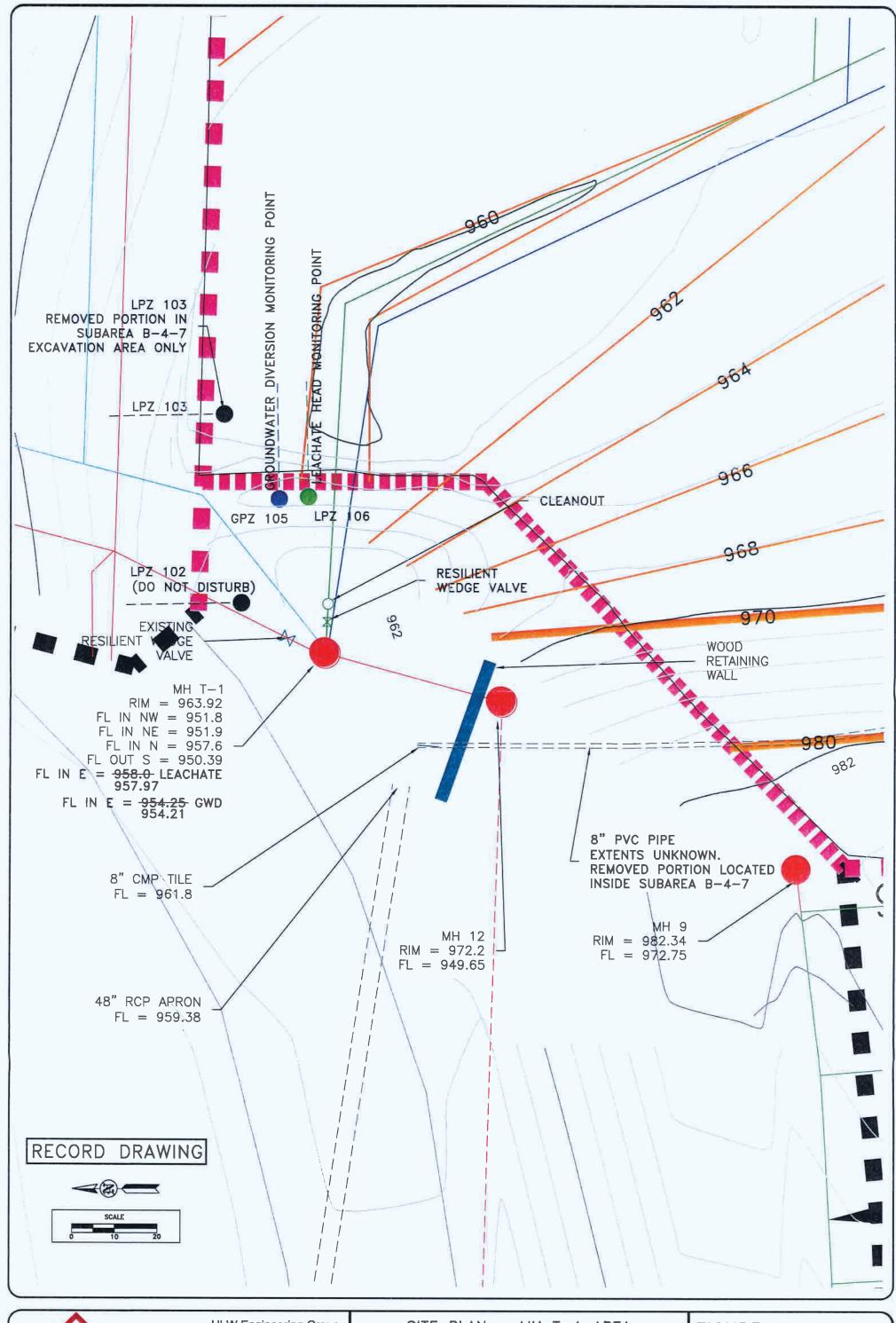
| Date | | al Monitoring | | |
|------------|------|---------------|------|------|
| | MW49 | MW54 | MW81 | MW94 |
| 3/28/08 | <8 | <8 | <8 | NT |
| 6/25/08 | <8 | <8 | <8 | NT |
| 8/25/08 | <8 | <8 | <8 | NT |
| 10/3/08 | <8 | <8 | <11 | NT |
| 12/8/08 | 13.0 | 16.0 | <8 | NT |
| 4/1/09 | <10 | <10 | <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 |

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

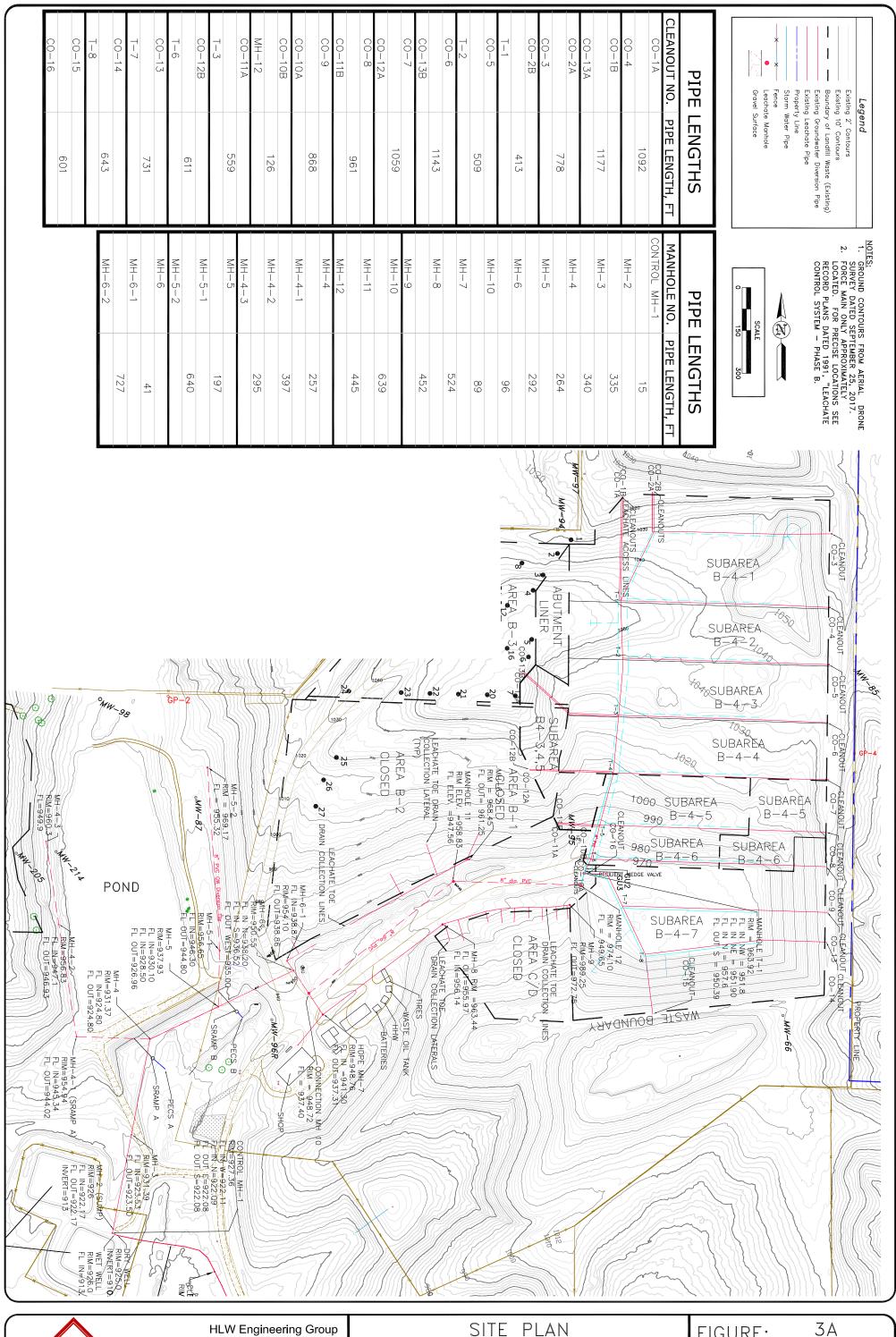




HLW Engineering Group 204 West Broad Street, P.O. Box 314 Story City, Iowa 50248 Phone: (515) 733-4144 FAX: (515) 733-4146 SITE PLAN -- MH T-1 AREA SUBAREA B-4-7 EXPANSION

MARSHALL COUNTY SANITARY LANDFILL MARSHALL COUNTY, IOWA

| FIGURE | E: 7 | 7 |
|--------------|-------------------------|----------------|
| REVISION | NO. | DATE |
| DRAWN JGH | PROJECT NO. 6003-16A | DATE 8/7/17 |





204 West Broad Street, P.O. Box 314 Story City, Iowa 50248 Phone: (515) 733-4144 FAX: (515) 733-4146 SIL PLAN

LEACHATE COLLECTION SYSTEM

& MONITORING WELLS — EAST HALF

MARSHALL COUNTY SLF, MARSHALLTOWN, IOWA

| FIGURE | <u>:</u> 3 | A |
|--------------|----------------------|-----------------|
| REVISION | NO. | DATE |
| DRAWN JGH | PROJECT NO. 6003-17A | DATE 3/23/21 |

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, lowa 50248 Phone: (515) 733-4144 FAX: (515) 733-4146

DATE 10-17-21

DATE

REVISION

MARSHALL COUNTY SANITARY LANDFILL MARSHALLTOWN, IOWA



| 10/21/92 | | MARSHALL C | OUNTY SANI | TARY LANDFI | LL | | | |
|--|-------------------|------------|--------------|-------------|---------|---------|----------|---------|
| CP PVC. ELEV.FT 993.77 1021.72 1049.75 1047.47 1046.54 991.66 1010.27 | | | 64-SDP-2-75F |) | | Leacha | te Eleva | ations |
| DATE | | MONTHLY | WATER ELEV | /ATIONS | | | | |
| 10/21/92 | | LHMW 73 | LHMW 74 | LHMW 75 | LHPZ 76 | LHPZ 77 | LHMW 78 | LHMW 79 |
| 10/21/92 | FOP PVC. ELEV, FT | 993.77 | 1021.72 | 1049.75 | 1047.47 | 1046.54 | 991.66 | 1010.27 |
| 11/20/92 963.43 986.75 1014.13 1015.45 1015.86 12/28/92 963.43 986.75 1014.13 1015.45 1015.86 12/28/92 963.43 986.75 1014.10 1015.42 1015.99 12/28/92 963.43 987.13 1014.25 1015.57 1015.70 1017.54 1017.55 1017.54 1017.55 1017.54 1017.55 1017.54 1017.55 | DATE | | | | | | | |
| 12/28/92 963.43 986.75 1014.13 1015.45 1015.86 | | | | | | | | |
| 1/11/93 | | | | | | | | |
| 2/15/93 963.43 986.74 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 5/14/93 963.57 989.87 1014.80 1016.22 1017.54 972.66 990.77 5/14/93 963.61 987.04 1014.90 1017.16 1018.41 973.19 990.93 7/16/93 963.63 987.81 1014.90 1017.16 1018.11 973.19 990.93 7/16/93 963.63 987.81 1014.90 1017.16 1018.11 973.19 990.93 7/16/93 963.65 988.07 1015.10 1017.50 1020.54 975.71 991.17 8/31/93 963.66 988.38 1015.75 1019.16 1020.35 976.35 992.37 9/21/93 963.62 988.33 1015.75 1019.16 1020.35 976.35 992.36 10/11/93 963.62 988.33 1015.75 1019.16 1020.35 976.35 992.36 10/11/93 963.64 988.22 1015.85 1018.97 1019.74 973.31 991.57 11/10/93 963.64 988.32 1016.04 1018.45 1018.76 973.31 991.57 11/10/93 963.65 988.37 1016.04 1018.45 1018.76 973.31 991.81 12/10/93 963.66 988.57 1016.04 1018.45 1018.26 973.06 991.81 12/10/94 963.66 988.76 1017.53 1018.38 1018.18 973.06 991.81 12/10/94 963.66 988.06 1017.53 1018.38 1018.16 973.17 992.24 3/15/94 963.76 988.50 1017.53 1018.38 1018.16 973.17 992.24 3/15/94 963.67 988.50 1017.23 1017.96 1018.84 973.57 992.49 2/11/94 963.66 988.06 1017.53 1018.38 1018.16 973.17 992.24 3/15/94 963.67 988.18 1016.75 1017.76 1019.94 972.96 991.57 5/31/94 963.69 988.75 1016.65 1017.05 1018.84 973.17 992.26 991.57 5/31/94 963.69 988.75 1016.65 1017.06 1017.14 973.27 992.07 7/12/94 963.69 988.75 1016.65 1017.06 1017.14 973.27 992.07 7/12/94 963.69 988.75 1016.65 1017.06 1017.14 973.77 992.39 991.57 1016.94 963.68 989.77 1016.65 1016.87 1017.44 973.37 992.39 1017.89 1017.89 963.69 983.75 1016.65 1016.67 1016.69 973.41 993.67 998.39 1016.64 1016.65 1016.40 973.39 991.87 1016.99 963.69 963.67 988.30 1016.65 1016.67 1016.69 973.41 993.67 998.37 998.38 1016.65 1016.67 1016.69 973.49 993.67 998.39 993.67 1016.66 1016.67 1016.69 973.49 993.67 993.69 993.67 1016.66 1016.67 1016.69 973.49 993.67 998.39 993.67 1016.66 1016.67 1016.69 973.49 993.67 993.67 998.30 993.67 1016.66 1016.67 1016.69 973.49 993.77 992.03 1017.99 993.67 993.67 996.82 1016.65 1016.67 1016.69 973.66 993.77 998. | | | | | | | | |
| 3/17/93 | | | | | | | | |
| 4/16/93 963.67 999.87 10/14.80 10/16.22 10/17.54 972.66 990.77 6/14/93 963.61 987.04 10/14.99 10/16.88 10/18.44 972.78 990.93 6/14/93 963.64 987.81 10/14.99 10/17.16 10/18.11 973.79 990.93 7/16/93 963.64 987.81 10/14.99 10/17.16 10/18.11 973.79 990.93 7/16/93 963.67 988.07 10/15.10 10/17.50 10/20.54 975.71 991.17 8/31/93 963.61 988.38 10/15.76 10/18.95 10/20.54 975.71 991.17 8/31/93 963.62 988.33 10/15.75 10/19.16 10/20.54 975.71 991.17 10/11/93 963.47 988.22 10/15.85 10/18.97 10/19.74 973.31 991.57 11/10/93 963.64 988.32 10/16.04 10/18.45 10/18.76 973.31 991.57 11/10/93 963.65 988.57 10/16.04 10/18.45 10/18.76 973.31 991.81 12/10/93 963.65 988.57 10/16.04 10/18.45 10/18.76 973.31 991.81 12/10/93 963.66 988.76 10/17.30 10/18.09 10/17.84 973.57 992.47 2/11/94 963.66 988.09 10/17.30 10/18.09 10/17.84 973.57 992.47 3/15/94 963.67 988.50 10/17.23 10/18.38 10/18.16 973.17 992.24 3/15/94 963.67 988.50 10/17.23 10/17.96 10/18.84 973.17 991.57 4/16/94 963.67 988.18 10/16.25 10/17.67 10/19.94 972.26 991.57 5/331/94 963.65 989.06 10/17.25 10/17.67 10/19.94 972.26 991.57 5/331/94 963.65 989.06 10/17.12 10/17.58 10/17.44 973.27 992.07 7/12/94 963.65 989.06 10/17.12 10/17.58 10/17.44 973.27 992.07 7/12/94 963.65 989.06 10/17.12 10/17.58 10/17.44 973.27 992.07 9/17/2/94 963.65 989.06 10/17.12 10/17.58 10/17.44 973.27 992.07 9/17/2/94 963.68 985.75 10/16.65 10/17.06 10/17.14 9/17.75 992.39 9/17/19/19/19/19/19/19/19/19/19/19/19/19/19/ | | | | | | | | |
| 65/14/93 963.61 987.81 1014.99 1016.88 1018.44 972.78 990.93 67/933 963.67 988.07 1015.10 1017.50 1020.54 975.71 991.17 8/31/93 963.61 988.33 1015.34 1018.95 1020.54 973.27 992.37 9/21/93 963.62 988.33 1015.75 1019.16 1020.54 973.27 992.37 10/11/93 963.47 988.22 1015.85 1018.97 1019.74 973.31 991.57 11/10/93 963.64 988.32 1016.60 1018.97 1019.74 973.31 991.57 11/10/93 963.65 988.76 1016.80 1018.33 1018.28 973.06 991.81 12/28/94 963.67 988.77 1016.80 1017.84 973.67 992.24 2/11/94 963.67 988.50 1017.53 1018.38 1018.16 973.17 992.24 3/15/94 963.67 988.12 1017.53 1017.96 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 6/17/93 963.64 987.81 1014.90 1017.16 1018.11 973.19 990.90 7/6/93 963.67 988.07 1015.10 1017.50 1020.54 975.71 991.17 8/31/93 963.61 988.38 1015.34 1018.95 1020.54 973.27 992.37 992.19 963.62 988.33 1015.75 1019.16 1020.35 976.35 992.36 10/11/93 963.62 988.33 1015.75 1019.16 1020.35 976.35 992.36 10/11/93 963.64 988.22 1016.04 1018.45 1018.74 973.31 991.57 11/10/93 963.66 988.57 1016.04 1018.45 1018.76 973.31 991.81 12/10/93 963.66 988.57 1016.04 1018.33 1018.28 973.06 991.81 12/10/93 963.66 988.67 1016.00 1018.33 1018.28 973.06 991.81 1/28/94 963.66 988.09 1017.53 1018.88 1018.16 973.17 992.24 1/17/94 963.66 988.09 1017.53 1018.38 1018.16 973.17 992.24 1/17/94 963.67 988.50 1017.25 1017.67 1019.84 973.17 992.24 1/17/94 963.67 988.18 1017.25 1017.67 1019.94 972.96 991.57 1019.49 963.67 988.18 1017.25 1017.67 1019.94 972.96 991.57 1019.49 963.67 988.18 1016.75 1017.18 1017.02 973.17 992.20 1/17/94 963.67 988.18 1016.75 1017.18 1017.02 973.17 992.20 1/17/94 963.69 988.75 1016.65 1017.05 1017.44 973.27 992.01 1/17/94 963.69 988.75 1016.65 1017.06 1017.14 974.75 993.87 8/26/94 963.68 989.77 1016.64 1017.05 1017.44 973.27 992.01 1/17/94 963.68 989.77 1016.65 1017.06 1017.14 974.75 993.87 8/26/94 963.68 989.77 1016.54 1016.65 1017.06 1017.14 974.75 993.87 8/26/94 963.68 989.77 1016.54 1016.65 973.41 991.97 1/17/26/94 963.68 985.11 1016.61 1016.79 1016.65 973.41 991.97 1/17/26/94 963.68 985.11 1016.65 1016.04 1016.34 973.06 991.67 1/17/26/94 963.68 985.51 1016.65 1016.04 1016.35 973.63 991.95 10/18/94 963.67 984.32 1016.25 1016.27 1016.34 973.06 991.67 1/17/26/94 963.68 985.11 1016.65 1016.27 1016.34 973.06 991.67 1/17/26/94 963.68 985.11 1016.65 1016.27 1016.34 973.06 991.67 1/17/26/94 963.68 983.77 984.32 1016.25 1016.09 1016.34 973.06 991.67 1/17/26/94 963.69 963.77 984.32 1016.55 1016.27 1016.34 973.66 991.97 1/17/26/94 963.68 1016.66 1016.54 1016.59 1016.34 973.66 991.97 1/17/26/94 963.67 988.22 1016.55 1016.57 1016.54 973.66 991.97 1/17/26/96 963.77 984.52 1016.55 1016.57 1015.54 973.56 992.17 1/17/26/96 963.71 | | | | | | | | |
| 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 10/11/93 963.62 988.32 1015.85 1018.97 1019.74 973.31 991.57 11/10/93 963.64 988.32 1016.04 1018.45 1018.76 973.31 991.57 11/10/93 963.65 988.57 1016.80 1018.33 1018.28 973.06 991.81 12/21/94 963.66 988.07 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 3/15/94 963.67 988.60 1017.33 1018.38 1018.16 973.17 992.24 3/15/94 963.67 988.80 1017.23 1017.96 1018.84 973.57 992.49 4/6/94 963.77 988.12 1017.25 1017.67 1019.94 972.96 991.57 5/31/94 963.66 988.09 1017.12 1017.58 1017.44 973.27 992.01 6/14/94 963.67 988.18 1016.76 1017.18 1017.07 1019.94 972.96 991.57 8/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2 | | | | | | | | |
| 8/31/93 963.61 988.38 1015.34 1018.95 1020.54 973.27 992.37 99/21/93 963.62 988.33 1015.75 1019.16 1020.35 976.35 992.36 10/11/19/31 963.62 988.33 1015.75 1019.16 1020.35 976.35 992.36 10/11/19/31 963.64 988.32 1016.04 1018.45 1018.76 973.31 991.57 11/10/93 963.64 988.32 1016.04 1018.45 1018.76 973.31 991.57 11/10/93 963.65 988.67 1016.80 1018.33 1018.28 973.06 991.81 12/21/94 963.66 988.09 1017.30 1018.09 1017.84 973.57 992.49 2/21/11/94 963.66 988.09 1017.53 1018.38 1018.16 973.17 992.24 2/21/11/94 963.66 988.09 1017.53 1018.38 1018.16 973.17 992.57 4/6/94 963.67 988.12 1017.25 1017.67 1019.94 972.96 991.57 5/31/94 963.67 988.18 1016.67 1017.18 1017.02 973.17 992.36 6/44/94 963.67 988.18 1016.67 1017.18 1017.02 973.17 992.37 1/12/94 963.69 989.06 1017.12 1017.58 1017.40 1017.02 973.37 992.37 1/12/94 963.69 989.06 1017.12 1017.58 1017.40 1017.40 973.27 992.01 9/2/994 963.68 989.77 1016.65 1017.06 1017.14 974.75 993.87 8/2/094 963.68 989.77 1016.64 1016.84 1016.65 973.41 991.97 11/2/2/94 963.69 988.51 1016.64 1016.84 1016.65 973.63 991.95 10/18/94 963.77 984.32 1016.54 1016.84 1016.65 973.63 991.95 10/18/94 963.67 984.52 1016.64 1016.79 1016.65 973.63 991.95 10/18/94 963.67 984.52 1016.65 1016.64 1016.79 1016.65 973.63 991.95 10/18/94 963.77 984.32 1016.54 1016.67 1016.79 1016.58 973.63 991.95 10/18/94 963.67 984.52 1016.54 1016.57 1016.34 973.06 991.57 11/22/94 963.67 984.52 1016.54 1016.67 1016.79 1016.53 973.68 1000.27 11/22/94 963.67 984.52 1016.55 1016.67 1016.70 1016.35 973.68 1000.27 11/22/94 963.67 985.61 1016.65 1016.67 1016.70 1016.35 973.68 994.17 1016.65 963.77 984.52 1016.55 1016.67 1016.70 1016.35 973.67 992.20 1016.55 1016.67 1016.69 1016.49 973.39 994.17 1016.69 963.77 984.52 1016.55 1016.67 1016.69 1016.49 973.39 994.17 1016.79 963.79 985.61 1016.65 1016.67 1016.69 973.36 994.17 1016.79 963.67 986.82 1016.55 1016.67 1016.69 973.36 994.17 1016.69 963.77 986.52 987.36 1017.75 1016.69 1016.69 973.36 994.17 1016.69 963.77 986.52 1016.55 1016.67 1016.69 973.56 993.77 1016.69 963.77 986.62 1016.55 10 | | | | | | | | |
| 9/21/93 963.62 988.33 1015.75 1019.16 1020.35 976.35 992.36 1011/193 963.47 988.22 1015.85 1018.97 1019.74 973.31 991.57 11/10/93 963.64 988.32 1016.04 1018.45 1018.76 973.31 991.57 11/10/93 963.65 988.57 1016.80 1018.33 1018.28 973.06 991.81 12/10/93 963.65 988.57 1016.80 1018.33 1018.28 973.06 991.81 12/10/94 963.76 988.76 1017.30 1018.09 1017.84 973.57 992.49 2/11/94 963.66 988.09 1017.53 1018.38 1018.16 973.17 992.49 3/15/94 963.67 988.50 1017.23 1017.96 1018.84 973.17 992.54 3/15/94 963.67 988.12 1017.23 1017.96 1018.84 973.17 991.57 4/6/94 963.67 988.18 1016.75 1017.67 1019.94 973.67 991.57 5/31/94 963.65 989.06 1017.25 1017.67 1019.94 973.17 992.25 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 1016.65 1017.06 1017.14 974.75 993.87 8/26/94 963.68 985.71 1016.64 1016.69 1017.04 973.68 991.95 10/18/94 963.69 988.35 1016.65 1017.06 1017.14 974.75 993.87 8/26/94 963.68 985.11 1016.61 1016.79 1016.58 973.63 991.95 10/18/94 963.67 984.32 1016.25 1016.27 1016.34 973.06 991.57 10/18/94 963.67 984.32 1016.25 1016.27 1016.34 973.06 991.57 10/18/94 963.71 984.32 1016.25 1016.27 1016.34 973.06 991.57 10/18/94 963.71 984.32 1016.25 1016.27 1016.34 973.06 991.57 10/18/94 963.71 984.32 1016.25 1016.27 1016.34 973.06 991.57 10/18/94 963.71 984.32 1016.25 1016.27 1016.34 973.06 991.57 10/18/94 963.71 984.52 1016.55 1016.27 1016.34 973.06 991.57 10/18/95 963.64 982.77 1016.54 1016.59 1016.04 973.58 1000.27 12/20/94 963.71 984.52 1016.55 1016.27 1016.34 973.06 991.57 10/18/95 963.66 1006.32 1017.65 1016.67 1016.59 973.74 992.03 1/19/95 963.66 1006.32 1017.65 1016.67 1016.59 973.74 992.03 1/19/95 963.66 1006.32 1017.65 1016.67 1016.69 973.79 992.03 1/19/95 963.67 986.82 1017.55 1016.67 1016.69 973.79 992.37 1016.69 973.79 992.37 1016.69 1016.67 1016.69 973.79 992.37 1016.69 973.79 993.77 1016.69 1016.69 973.79 993.77 1016.69 1016.67 1016.69 973.79 993.77 1016.69 1016.67 1016.69 973.79 993.77 1016.69 973.79 986.87 1016.69 1 | | | | | | | | |
| 10/11/93 963.64 988.32 1016.04 1018.45 1016.74 973.31 991.57 11/10/93 963.65 988.57 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 1018.16 973.17 992.54 3/15/94 963.67 988.50 1017.23 1017.96 1018.38 1018.16 973.17 992.54 1/6/94 963.67 988.50 1017.23 1017.96 1018.38 1018.16 973.17 992.54 1/6/94 963.67 988.12 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 1/7/12/94 963.69 988.75 1016.65 1017.06 1017.14 974.75 993.87 8/26/94 963.68 989.77 1016.54 1016.65 1017.06 1017.14 974.75 993.87 8/26/94 963.68 989.77 1016.54 1016.65 1016.65 973.41 991.91 9/20/94 963.68 985.11 1016.65 1016.27 1016.34 973.06 991.67 11/25/94 963.63 985.61 1016.54 1016.57 1016.34 973.06 991.67 11/25/94 963.63 985.61 1016.55 1016.27 1016.34 973.06 991.67 11/25/94 963.63 985.61 1016.54 1016.59 1016.34 973.06 991.67 11/25/94 963.63 985.61 1016.55 1016.27 1016.34 973.06 991.67 11/25/94 963.63 985.61 1016.55 1016.27 1016.34 973.06 991.67 11/25/94 963.63 985.61 1016.55 1016.67 1016.39 1016.04 973.58 1000.27 12/20/94 963.67 984.56 1016.65 1016.39 1016.04 973.58 1000.27 12/20/94 963.67 984.56 1016.65 1016.37 1016.39 973.68 991.97 10/16.59 963.70 981.27 1016.64 1016.65 1016.39 973.68 991.97 10/16.99 973.68 992.92 10/16.99 973.69 993.67 986.82 10/16.55 10/16.67 10/16.44 973.46 992.92 10/16.99 973.69 993.77 10/16.99 973.69 993.77 10/16.99 973.69 993.77 10/16.99 97 | | | | | | | | |
| 11/10/93 963.64 983.32 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 1/28/94 963.65 988.76 1017.30 1018.99 1017.84 973.57 992.49 22/11/94 963.66 988.09 1017.53 1018.38 1018.16 973.17 992.24 3/15/94 963.67 988.50 1017.23 1017.96 1018.84 973.17 992.24 3/15/94 963.67 988.12 1017.25 1017.67 1019.94 972.96 991.57 5/5/31/94 963.67 988.18 1016.75 1017.67 1019.94 972.96 991.57 5/5/31/94 963.67 988.18 1016.75 1017.67 1019.94 972.96 991.57 5/5/31/94 963.65 989.06 1017.12 1017.67 1019.94 972.96 991.57 1/7/2/94 963.69 988.75 1016.65 1017.48 1017.02 973.17 992.32 6/14/94 963.65 989.06 1017.12 1017.58 1017.44 973.27 992.01 973.27 992.01 1016.54 1016.54 1016.55 973.41 991.91 9/20/94 963.68 985.71 1016.54 1016.64 1016.55 973.41 991.91 9/20/94 963.68 985.11 1016.61 1016.64 1016.65 973.41 991.91 1016/94 963.77 984.32 1016.25 1016.27 1016.34 973.06 991.57 11/25/94 963.63 985.61 1016.64 1016.67 1016.79 1016.34 973.06 991.57 11/25/94 963.63 985.61 1016.54 1016.63 1016.04 973.58 1000.27 12/20/94 963.77 984.32 1016.25 1016.27 1016.34 973.06 991.57 11/25/94 963.63 985.61 1016.64 1016.65 1016.39 1016.04 973.58 1000.27 12/20/94 963.71 984.56 1016.64 1016.65 1016.35 976.18 996.46 2/28/95 963.70 981.27 1016.66 1016.67 1016.35 976.18 996.46 2/28/95 963.70 981.27 1016.66 1016.67 1016.35 976.18 996.47 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 1016.67 1016.35 976.18 996.47 04/19/95 963.67 987.62 1017.65 1016.67 1016.94 973.76 993.77 1992.16 1016.95 1016.67 1016.14 973.66 991.97 5/30/95 963.66 1006.32 1017.65 1016.67 1016.35 976.18 996.47 1016.95 963.67 986.82 1017.65 1016.67 1016.94 973.76 993.77 1995.96 963.67 986.82 1017.65 1016.67 1016.94 973.76 993.77 1995.96 963.67 986.82 1016.55 1016.27 1016.14 973.66 991.97 5/30/95 963.66 1010.22 1019.65 1015.27 1016.64 973.76 993.77 1995.96 963.67 986.82 1015.55 1015.67 1015.84 973.76 993.77 1995.96 963.77 986.82 1017.55 1015.67 1015.84 973.76 993.77 1996.99 963.71 986.62 1015.55 1015.67 1015.84 973. | | | | | | | | |
| 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 2/211/94 963.66 988.09 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 4/6/94 963.67 988.50 1017.23 1017.96 1018.84 973.17 991.57 4/6/94 963.67 988.12 1017.25 1017.67 1019.94 972.96 991.57 5/31/94 963.67 988.18 1016.75 1017.67 1019.94 972.96 991.57 5/31/94 963.67 988.18 1016.75 1017.67 1019.94 972.96 991.57 1017.29 1017.29 973.17 992.32 6/14/94 963.65 989.06 1017.12 1017.58 1017.44 973.27 992.01 7/12/94 963.66 989.06 1017.12 1017.58 1017.44 973.27 992.01 7/12/94 963.68 989.77 1016.55 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 10/18/94 963.67 984.32 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 12/20/94 963.63 985.61 1016.54 1016.39 1016.04 973.58 1000.27 12/20/94 963.67 988.27 1016.54 1016.65 1016.37 973.77 992.03 1/30/95 963.72 978.58 1016.64 1016.65 1016.37 973.77 992.03 1/30/95 963.72 978.58 1016.64 1016.65 1016.37 973.77 992.03 1/30/95 963.70 981.27 1016.64 1016.65 1016.37 973.77 992.03 1/30/95 963.66 1006.32 1016.65 1016.62 1016.09 977.36 994.17 04/19/95 963.67 984.52 1016.55 1016.62 1016.09 977.36 994.17 04/19/95 963.66 1006.32 1017.65 1016.62 1016.09 977.36 994.17 04/19/95 963.66 1006.32 1017.65 1016.62 1016.04 973.56 993.77 984.52 1016.55 1016.27 1016.14 973.66 991.97 7/6/95 963.67 986.82 1016.55 1016.57 1015.54 973.76 993.77 992.03 1017.95 1015.55 1015.94 973.76 993.77 992.03 1017.95 1015.94 973.76 993.77 994.17 1016.69 1016.69 1016.09 977.36 994.17 1016.95 1016.09 977.36 994.17 1016.95 1016.95 1016.95 973.66 993.77 986.82 1016.55 1016.67 1016.69 973.76 993.77 994.17 1016.69 1016.69 1016.97 1016.69 973.76 993.77 1016.96 1016.97 1016.69 973.76 993.77 1016.96 973.76 986.82 1016.55 1016.57 1015.54 973.66 992.97 1016.99 973.76 986.82 1016.55 1016.57 1015.64 973.56 992.77 1016.96 9 | | | | | | | | |
| 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 1018.16 973.17 992.59 3/15/94 963.67 988.50 1017.23 1017.96 1018.84 973.17 991.57 4/6/94 963.67 988.50 1017.25 1017.67 1019.94 972.96 991.57 5/5/31/94 963.67 988.18 1016.75 1017.18 1017.02 973.17 992.32 6/14/94 963.65 989.06 1017.12 1017.58 1017.44 973.27 992.32 7/12/94 963.65 989.06 1017.12 1017.58 1017.44 973.27 992.01 7/12/94 963.66 988.75 1016.65 1017.06 1017.14 974.75 993.87 8/26/94 963.68 999.77 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 10/18/94 963.63 985.51 1016.61 1016.79 1016.58 973.63 991.95 11/25/94 963.63 985.61 1016.54 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 1016.37 973.77 992.03 11/30/95 963.72 978.58 1016.64 1016.65 1016.37 973.77 992.03 1/30/95 963.77 984.52 1016.64 1016.65 1016.37 973.77 992.03 3/28/95 963.64 982.77 1016.64 1016.70 1016.35 976.18 996.46 2/28/95 963.64 982.77 1016.75 1016.62 1016.09 977.36 994.17 04/19/95 963.77 984.52 1016.55 1016.62 1016.09 977.36 994.17 6/30/95 963.66 1006.32 1017.65 1016.62 1016.09 977.36 994.17 6/30/95 963.66 1006.32 1017.65 1016.87 1017.14 975.96 994.17 6/30/95 963.66 1006.32 1017.65 1016.87 1017.14 975.96 994.17 6/30/95 963.66 1006.32 1017.65 1016.62 1016.09 973.36 994.17 6/30/95 963.67 988.52 1016.55 1016.27 1016.14 973.66 991.97 6/30/95 963.67 983.67 986.82 1016.55 1016.27 1016.14 973.46 992.25 11/15/95 963.67 986.62 1015.55 1016.77 1016.74 973.76 993.67 9/19/95 963.67 986.82 1015.55 1016.77 1016.54 973.76 993.67 9/19/95 963.67 986.82 1015.55 1016.57 1015.59 973.76 993.67 9/19/95 963.67 986.82 1015.55 1015.67 1015.59 973.66 992.77 7/6/96 963.71 986.82 1015.55 1015.67 1015.64 973.56 992.77 7/6/96 963.71 986.82 1015.55 1015.67 1015.64 973.56 992.77 9/19/96 963.77 986.82 1015.55 1015.67 1015.64 973.56 992.77 9/19/96 963.77 986.82 1015.55 1015.57 1015.64 973.56 992.77 9/19/96 963.77 986.82 1015.55 1015.57 1015.64 97 | | | | | | | | |
| 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 8/26/94 963.69 988.75 1016.65 1017.06 1017.14 974.75 993.87 8/26/94 963.69 989.77 1016.54 1016.84 1016.65 973.41 991.91 9/20/94 963.69 985.11 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 12/20/94 963.77 984.52 1016.55 1016.67 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 3/28/95 963.67 984.52 1016.55 1016.27 1016.09 977.36 994.17 04/19/95 963.77 984.52 1016.55 1016.27 1016.09 977.36 994.17 04/19/95 963.67 983.27 1016.46 1017.30 1015.84 973.71 992.16 3/28/95 963.69 1016.00 977.36 994.17 04/19/95 963.67 983.52 1016.55 1016.27 1016.10 973.56 994.17 04/19/95 963.67 983.52 1016.55 1016.27 1016.10 973.66 991.97 7/6/95 963.67 983.52 1017.55 1016.27 1016.14 973.66 991.97 7/6/95 963.67 983.52 1017.55 1016.27 1016.14 973.66 991.37 7/6/95 963.67 983.52 1017.55 1017.47 1016.74 973.66 992.37 1/11/19/95 963.67 986.82 1017.55 1017.47 1016.74 973.66 992.37 1/11/19/95 963.67 986.82 1017.55 1017.47 1016.74 973.66 992.37 1/11/19/95 963.67 986.82 1016.55 1016.57 1015.54 974.76 993.77 1/12/19/95 963.67 986.72 1016.15 1016.20 1016.19 973.39 992.38 1/11/19/95 963.67 986.72 1016.16 1016.27 1015.84 973.76 993.67 9/19/95 963.67 986.82 1016.55 1016.57 1015.64 973.66 992.97 3/11/19/95 963.77 986.22 1016.55 1016.67 1015.84 973.66 992.97 3/11/19/96 963.71 986.62 1015.55 1015.67 1015.64 973.66 992.97 3/11/19/96 963.77 986.22 1016.55 1016.87 1015.84 973.56 992.76 9/13/19/96 963.77 986.27 1016.25 1015.87 1015.84 973.56 992.77 3/11/19/96 963.77 986.27 1016.25 1015.87 1015.84 973.56 99 | | | | | | | | |
| 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 7/12/94 963.66 988.75 1016.65 1017.06 1017.14 974.75 993.87 8/26/94 963.68 988.75 1016.65 1017.06 1017.14 974.75 993.87 8/26/94 963.68 985.71 1016.54 1016.84 1016.65 973.41 991.91 9/20/94 963.68 985.71 1016.61 1016.79 1016.58 973.63 991.95 10/18/94 963.63 985.61 1016.62 1016.27 1016.34 973.06 991.67 11/25/94 963.63 985.61 1016.54 1016.65 1016.34 973.06 991.67 11/25/94 963.77 984.32 1016.25 1016.27 1016.34 973.06 991.67 11/25/94 963.71 984.56 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 1015.84 973.71 992.13 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 1016.14 973.66 991.97 5/30/95 963.66 1006.32 1017.65 1016.87 1017.14 973.66 991.97 5/30/95 963.66 1006.32 1017.65 1016.87 1017.14 973.66 994.77 7/6/95 963.67 987.62 1017.55 1017.47 1017.47 973.46 992.27 8/28/95 963.67 987.62 1017.55 1016.27 1016.14 973.76 993.67 9/19/95 963.67 987.62 1017.55 1016.27 1016.14 973.76 993.67 9/19/95 963.67 987.62 1017.55 1016.27 1015.44 973.66 992.27 8/28/95 963.66 1006.32 1017.65 1016.87 1017.14 973.46 992.27 8/28/95 963.67 987.62 1017.55 1016.57 1015.64 973.76 993.67 9/19/95 963.67 986.82 1016.55 1016.57 1015.58 975.66 992.77 8/28/95 963.67 987.62 1017.55 1017.77 1016.74 973.76 993.67 9/19/95 963.67 986.82 1016.55 1016.57 1015.58 975.66 992.77 8/28/95 963.67 986.82 1016.55 1015.67 1015.58 975.66 992.77 8/28/95 963.67 986.62 1015.55 1015.67 1015.64 973.56 992.77 8/14/96 963.71 986.62 1015.55 1015.67 1015.64 973.56 992.77 8/14/96 963.71 986.62 1015.55 1015.67 1015.64 973.56 992.77 8/29/96 963.77 986.27 1016.25 1015.86 1015.84 973.56 992.77 8/26/96 963.77 986.27 1016.25 1015.86 1015.84 973.56 992.77 | | | | | | | | |
| 4/6/94 963.77 988.12 1017.25 1017.67 1019.94 972.96 991.57 5/3/1/94 963.67 988.18 1016.75 1017.18 1017.02 973.17 992.32 6/14/94 963.69 988.75 1016.65 1017.06 1017.14 974.75 992.01 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 1016.99 1016.33 973.77 992.03 1/3/095 963.71 984.56 1016.62 1016.31 973.77 992.03 1/3/28/95 963.62 981.27 1016.64 1017.30 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 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 10/18/94 963.67 984.32 1016.25 1016.27 1016.34 973.06 991.67 11/25/94 963.63 985.61 1016.64 1016.39 910.60 973.77 992.03 1/30/95 963.72 978.58 1016.75 1016.05 1016.31 973.77 992.03 2/28/95 963.70 981.27 1016.75 1016.62 1016.39 977.31 992.16 3/328/95 963.64 982.77 1016.75 | | | | | | | | |
| 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 1016.38 973.63 991.95 10/18/94 963.77 984.32 1016.25 1016.27 1016.34 973.06 991.67 11/25/94 963.63 985.61 1016.64 1016.39 1016.04 973.58 1000.27 12/20/94 963.71 984.56 1016.64 1016.35 1016.31 973.77 992.03 130/95 963.72 978.58 1016.75 1016.65 1016.31 973.77 992.03 3/28/95 963.64 982.77 1016.75 1016.62 1016.09 977.36 994.17 04/19/95 963.67 984.52 1016.55 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 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 1016.04 973.58 1000.27 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 2/28/95 963.64 982.77 1016.46 1017.30 1015.84 973.71 992.16 3/28/95 963.64 982.77 1016.75 1016.27 1016.14 973.36 994.17 04/19/95 963.67 104.52 1016.55 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 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 1016.04 973.55 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 1015.84 973.71 992.03 3/28/95 963.64 982.77 1016.75 1016.69 977.36 994.17 04/19/95 963.67 984.52 1016.55 1016.27 1016.14 973.66 991.97 5/30/95 963.66 1006.32 1017.65 1016.87 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 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 04/19/95 963.67 984.52 1016.55 1016.27 1016.14 973.66 991.97 5/30/95 963.66 1006.32 1017.65 1016.87 1017.14 975.96 994.77 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 1016.27 1016.74 973.76 993.67 9/19/95 963.67 987.62 1017.55 1017.17 1016.74 973.76 993.67 9/19/95 963.67 986.82 1016.55 1016.37 1016.49 973.76 993.67 11/15/95 963.76 986.82 1016.55 1016.37 1016.49 973.76 993.47 11/15/95 963.76 986.72 1016.69 1016.37 1016.49 973.76 993.47 11/15/95 963.76 986.72 1016.65 1016.37 1016.49 973.76 993.47 11/15/95 963.76 986.72 1016.16 1016.27 1015.58 975.65 992.16 11/11/96 963.71 986.62 1016.05 1015.77 1015.64 973.56 992.77 3/11/96 963.71 986.62 1016.05 1015.77 1015.64 973.56 992.77 3/11/96 963.77 986.17 1015.36 106.2 1015.89 973.56 992.77 8/26/96 963.77 986.21 1015.35 1015.07 1015.69 973.56 992.37 11/19/96 963.71 986.62 1016.25 1015.07 1015.64 973.66 992.97 5/14/96 963.71 986.82 1015.55 1015.77 1015.64 973.66 992.97 5/14/96 963.71 986.82 1015.55 1015.07 1015.69 973.56 992.77 8/26/96 963.77 986.17 1015.31 1016.22 1015.08 974.21 994.32 1/11/96 963.71 985.82 1015.25 1015.07 1015.69 973.56 992.77 8/26/96 963.77 986.27 1016.25 1015.07 1015.69 973.56 992.77 8/26/96 963.77 986.27 1016.25 1015.07 1015.89 973.56 992.77 8/26/96 963.77 986.27 1016.25 1015.07 1015.89 973.56 992.77 8/26/96 963.71 985.82 1015.25 1015.07 1015.69 973.56 992.77 8/26/96 963.71 985.82 1015.25 1015.07 1015.89 973.56 992.77 8/26/96 963.71 985.93 1015.15 1015.37 1015.14 974.76 994.67 | | | | | | | | 991.91 |
| 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 1016.05 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 6/30/95 963.67 988.32 1017.45 1017.47 1017.74 973.46 992.27 8/28/95 963.67 987.62 1017.55 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 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 1047.30 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 | 10/18/94 | 963.77 | 984.32 | 1016.25 | 1016.27 | 1016.34 | 973.06 | 991.67 |
| 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 04/19/95 963.67 984.52 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 9/19/95 963.67 986.82 1016.55 1016.37 1016.44 973.46 992.92 11/15/95 963.67 986.82 1016.55 | 11/25/94 | 963.63 | 985.61 | 1016.54 | 1016.39 | 1016.04 | 973.58 | 1000.27 |
| 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 11/15/95 963.76 986.72 1016.16 <td>12/20/94</td> <td></td> <td>984.56</td> <td>1016.64</td> <td>1016.65</td> <td>1016.31</td> <td>973.77</td> <td>992.03</td> | 12/20/94 | | 984.56 | 1016.64 | 1016.65 | 1016.31 | 973.77 | 992.03 |
| 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 7/6/95 963.67 983.32 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 <td></td> <td>963.72</td> <td>978.58</td> <td>1016.75</td> <td></td> <td>1016.35</td> <td>976.18</td> <td>996.46</td> | | 963.72 | 978.58 | 1016.75 | | 1016.35 | 976.18 | 996.46 |
| 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 1015.64 973.56 992.17 3/11/96 963.71 986.62 1016.05 <td>2/28/95</td> <td>963.70</td> <td>981.27</td> <td>1016.46</td> <td>1017.30</td> <td>1015.84</td> <td>973.71</td> <td>992.16</td> | 2/28/95 | 963.70 | 981.27 | 1016.46 | 1017.30 | 1015.84 | 973.71 | 992.16 |
| 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 11/15/95 963.76 986.72 1016.16 1016.57 1015.94 973.76 993.47 12/21/95 963.71 986.62 1016.16 1016.27 1015.68 975.65 992.16 1/11/96 963.71 986.62 1016.05 1015.77 1015.64 973.56 992.77 3/11/96 963.71 986.62 1015.55 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 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 1015.64 973.56 992.32 4/11/96 963.71 986.62 1015.55 1015.67 1015.64 973.56 992.97 5/14/96 963.77 986.22 1015.55 | | | | | | | | |
| 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 1015.64 973.56 992.32 4/11/96 963.71 986.62 1015.36 lced 1015.35 973.56 992.97 5/14/96 963.71 986.62 1015.55 1015.67 1015.64 973.56 992.97 6/20/96 963.77 986.17 1015.31 | | | | | | | | |
| 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 lced 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 | | | | | | | | |
| 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 lced 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 | | | | | | | | |
| 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 5/14/96 963.71 986.22 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 | | | | | | | | |
| 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 | | | | | | | | |
| 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 lced 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 | | | | | | | | |
| 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 1015.14 974.76 994.67 | | | | | | | | |
| 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 | | | | | | | | |
| 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 | | | | | | | | |
| 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 | | | | | | | | |
| 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 | | | | | | | | |
| 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 | | | | | | | | |
| 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 | | | | | | | | |
| 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 | | | | | | | | |
| 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 | | | | | | | | |
| 11/13/1996 963.77 986.92 1014.85 1015.37 1015.14 974.76 994.67 | | | | | | | | |
| | | | | | | | | |
| 4 12/11/1996 l 963.75l 986.35l 1015.18l 1016.25l 1015.39l 975.51l 994.62 | 12/11/1996 | 963.75 | 986.35 | | 1016.25 | | | 994.62 |

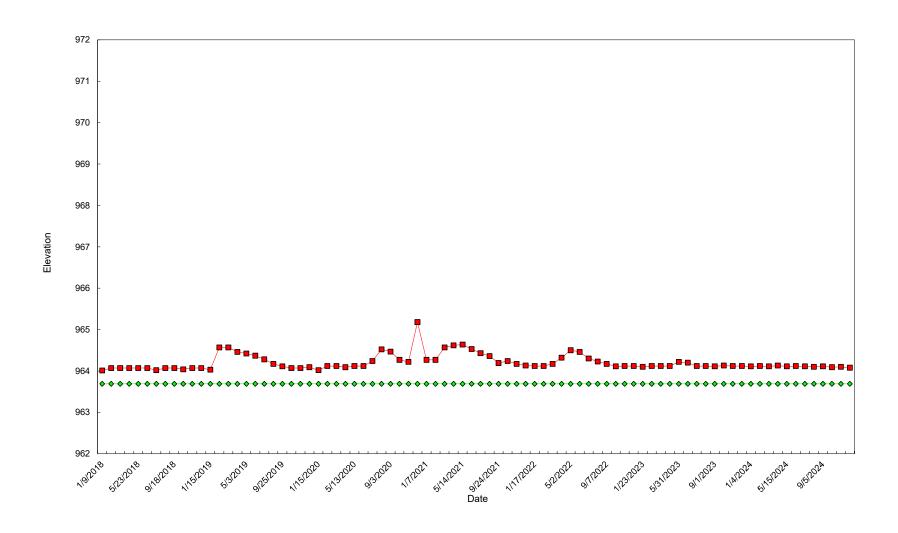
| | MARSHALL C | OUNTY SANI | TARY LANDFI | LL | | | |
|--------------------------|------------------|--------------------|--------------------|--------------------|--------------------|------------------|---------|
| | | 64-SDP-2-75F | o | | Leacha | te Eleva | ations |
| | MONTHLY | WATER ELEV | /ATIONS | | | | |
| | LHMW 73 | LHMW 74 | LHMW 75 | LHPZ 76 | LHPZ 77 | LHMW 78 | LHMW 79 |
| FOP 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 | | 1014.27 | 1014.54 | 973.56 | |
| 02/26/1997 | 964.57 | 986.72 | 1014.73 | 1015.42 | 1013.40 | 974.46 | |
| 03/31/1997 | 964.67 | 985.29 | 1014.41 | 1014.61 | 1015.04 | 975.66 | |
| 04/08/1997 | 964.57 | 984.72 | 1014.45 | 1014.47 | 1015.04 | 973.66 | |
| 05/21/1997 | 964.77 | 999.72 | 1014.75 | 1014.69 | | | 994.67 |
| 06/27/1997 07/16/1997 | 964.57 964.37 | 993.82 986.22 | 1014.75 1014.65 | 1014.66 1014.87 | 1015.34 1015.84 | 974.26 973.86 | |
| 08/27/1997 | 964.27 | 986.82 | 1014.80 | 1014.87 | | 973.60 | |
| 09/30/1997 | 964.42 | 987.37 | 1016.33 | 1015.90 | 1015.59 | | |
| 10/13/1997 | 964.27 | 976.85 | 1014.65 | 1015.27 | 1015.54 | 973.76 | |
| 11/26/1997 | 964.21 | 987.04 | 1014.73 | 1014.65 | 1015.15 | | 995.08 |
| 12/15/1997 | 964.27 | 985.92 | 1014.80 | 1015.12 | 1015.08 | 974.35 | |
| 01/26/1998 | 963.87 | 976.85 | | 1014.47 | 1014.79 | 973.86 | |
| 02/28/1998 | 964.37 | 987.32 | 1015.03 | 1015.12 | 1015.32 | 973.88 | |
| 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 | |
| 06/22/1998 | 963.99 | 985.72 | 1015.95 | 1015.90 | 1017.95 | 973.86 | 995.98 |
| 07/09/1998 | 963.97 | 976.85 | | 1016.27 | 1018.14 | 973.86 | |
| 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 | |
| 11/24/1998 | 964.08 | 985.72 | 1015.54 | 1015.52 | 1016.54 | 977.16 | |
| 12/30/1998 | 964.02 | 984.95 | 1014.87 | 1015.50 | | | |
| 01/26/1999 | 963.97 | 006.25 | 1014.55 | 1015.07 | 1015.84 | | |
| 02/28/1999 04/20/1999 | 964.24 | 986.35 | 1014.87 1014.85 | 1015.03 1015.27 | 1015.25 1016.34 | | |
| 07/13/1999 | | 984.92 | 1014.65 | 1015.27 | 1010.34 | | |
| 10/09/1999 | | 985.12 | 1015.25 | 1015.97 | 1017.64 | 974.10 | |
| 01/06/2000 | | 300.12 | 1010.00 | 1010.07 | 1010.04 | 374.20 | 330.11 |
| 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 | | |
| 07/20/2001 | 965.47 | Removed | 1015.15 | 1016.17 | 1017.94 | | |
| 10/05/2001 | 965.07 | Removed | 1014.95 | 1015.47 | 1014.54 | | |
| 01/03/2002 | 964.97 | Removed | 1014.35 | 1014.87 | 1015.64 | | |
| 04/29/2002 | 965.95 | Removed | 1014.61 | 1014.73 | | | |
| 07/03/2002 | 965.47 | Removed | 1014.45 | 1014.67 | 1015.64 | | |
| 10/14/2002 | 965.31 | Removed | 1014.21 | 1014.39 | | | |
| 01/27/2003 04/21/2003 | 965.83 | Removed Removed | 1015.75 1013.85 | 1014.67 1013.65 | 1046.54 | | |
| 07/10/2003 | 903.63 | Removed | 1013.65 | 1013.05 | 1013.68 | 974.18 | 990.41 |
| 10/01/2003 | 965.19 | Removed | 1014.30 | 1014.35 | 1015.94 | 974.30 | 996.87 |
| 04/22/2004 | 965.19 | Removed | 1014.30 | 1014.35 | | | |
| 10/05/2004 | | Removed | 1014.45 | 1013.27 | 1017.54 | | |
| 10/05/2004 | 964.77 | Removed | 1013.75 | 1014.67 | 1016.14 | 9/3.66 | 996.27 |

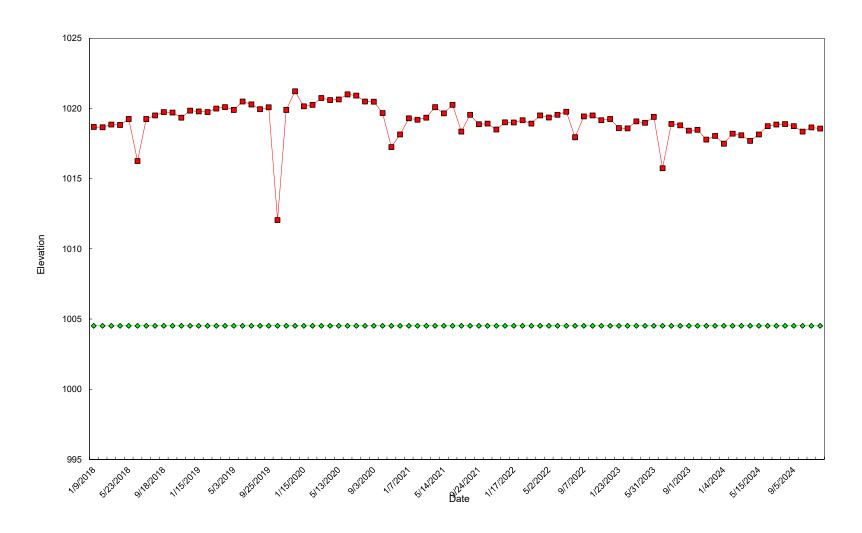
| | MARSHALL C | OUNTY SANI | TARY LANDFIL | L | | | |
|-------------------|------------|--------------|--------------|---------|---------|----------|---------|
| | | 64-SDP-2-75F | • | | Leacha | te Eleva | ations |
| | MONTHLY | WATER ELEV | ATIONS | | | | |
| | | | | LHPZ 76 | LHPZ 77 | LHMW 78 | LHMW 79 |
| FOP PVC. ELEV, FT | | 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 | | 974.66 | |
| 10/05/2011 | 964.97 | Removed | 1016.85 | 1015.97 | | 974.76 | 996.77 |
| 01/17/2012 | 964.67 | Removed | 1016.65 | 1015.37 | | 974.76 | 993.52 |
| 02/21/2012 | 964.66 | Removed | 1017.06 | 1015.60 | | 974.80 | 996.37 |
| 03/29/2012 | 964.54 | Removed | 1016.90 | 1015.70 | | 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 | | 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 | | 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 | | 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 | 1017.93 | Removed | Removed | 975.66 | 996.15 |
| 09/16/2013 | 964.11 | Removed | 1010.00 | Removed | Removed | 974.66 | 996.27 |
| 10/15/2013 | 964.07 | Removed | 1017.55 | Removed | Removed | 974.00 | 996.27 |
| 11/21/2013 | | Removed | 1017.90 | | Removed | 975.01 | 995.16 |
| | 964.03 | | | Removed | | | |
| 12/28/2013 | 964.06 | Removed | 1017.57 | Removed | Removed | 974.84 | 995.72 |

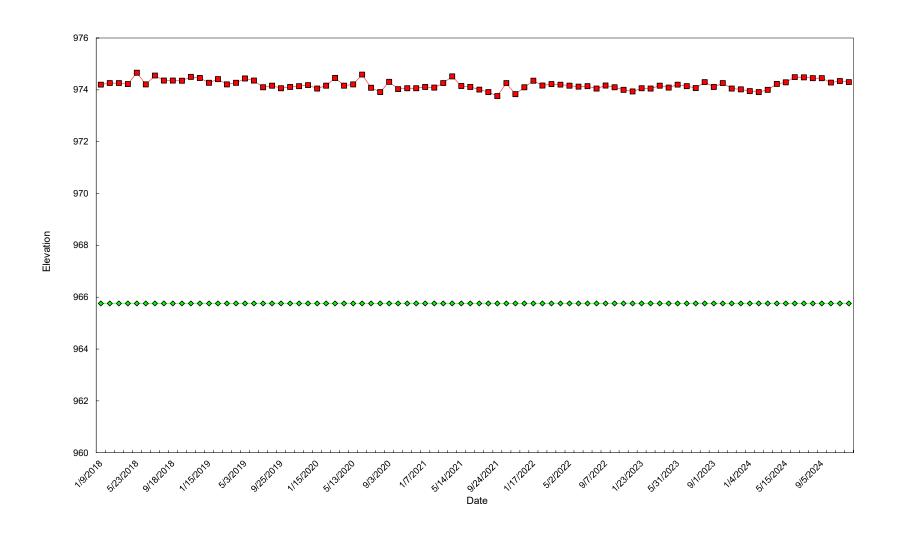
| | MARSHALL C | OUNTY SANI | TARY LANDFI | LL | | | |
|-------------------|--------------------------|-------------|-------------|---------|---------|----------|---------|
| | | 64-SDP-2-75 | o | | Leacha | te Eleva | ations |
| | MONTHLY WATER ELEVATIONS | | | | | | |
| | | LHMW 74 | LHMW 75 | LHPZ 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 | |
| 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 | |
| 12/30/2015 | 963.97 | Removed | 1018.36 | Removed | Removed | 974.84 | |
| 01/06/2016 | 964.27 | Removed | 1018.15 | Removed | Removed | 974.86 | |
| 02/11/2016 | 964.07 | Removed | 1018.75 | | Removed | 974.36 | |
| 03/30/2016 | 964.06 | Removed | 1019.07 | | Removed | 974.51 | |
| 04/14/2016 | 964.04 | Removed | 1019.05 | | Removed | 974.64 | |
| 05/23/2016 | 964.06 | Removed | 1019.04 | | Removed | 974.58 | |
| 06/30/2016 | 964.07 | Removed | 1018.90 | | Removed | 974.29 | |
| 07/08/2016 | 964.02 | Removed | 1019.00 | Removed | Removed | 974.16 | |
| 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 | |
| 10/13/2016 | 964.02 | Removed | 1018.68 | | Removed | 974.06 | |
| 11/30/2016 | 964.06 | Removed | 1019.15 | | Removed | 974.32 | |
| 12/16/2016 | 964.07 | Removed | 1018.54 | | Removed | 974.26 | |
| 1/26/2017 | 964.02 | Removed | 1018.60 | Removed | Removed | 974.46 | |
| 2/16/2017 | 964.07 | Removed | 1018.30 | | Removed | 974.70 | |
| 3/21/2017 | 964.06 | Removed | 1018.25 | | Removed | 974.66 | |
| 4/10/2017 | 964.07 | Removed | 1019.18 | Removed | Removed | 974.51 | |
| 5/31/2017 | 964.08 | Removed | 1019.59 | | Removed | 974.56 | |
| 6/13/2017 | 964.07 | Removed | 1019.79 | Removed | Removed | 974.36 | |
| 7/11/2017 | 964.02 | Removed | 1019.70 | | Removed | 974.86 | |
| 8/23/2017 | 963.77 | Removed | 1020.04 | Removed | Removed | 974.16 | |
| 9/29/2017 | 964.07 | Removed | 1018.85 | | Removed | 974.16 | |
| 10/9/2017 | 963.97 | Removed | 1018.97 | Removed | Removed | 974.23 | |
| 11/30/2017 | 964.07 | Removed | 1018.75 | | Removed | 974.31 | |
| 12/18/2017 | 964.07 | Removed | 1018.95 | | Removed | 974.16 | |

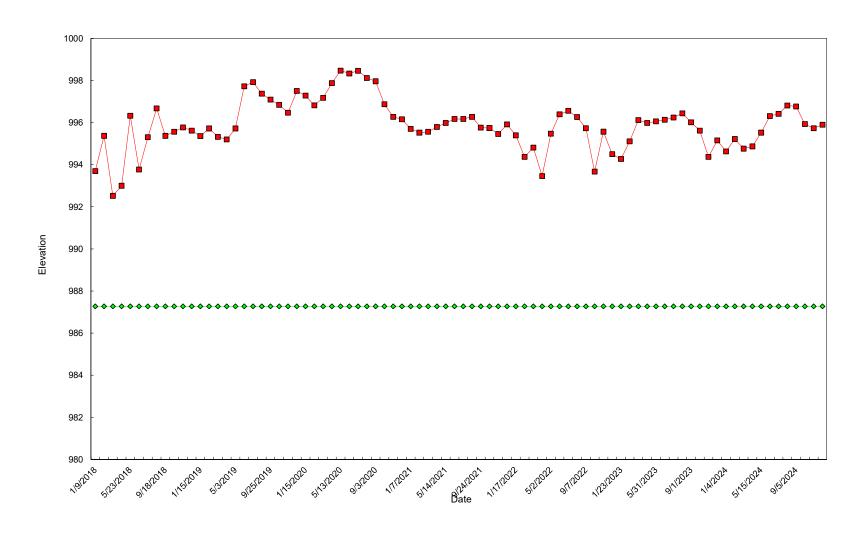
| | MARSHALL C | OUNTY SANI | TARY LANDFI | LL | | | |
|------------------|------------------|--------------|-------------|--------------------|--------------------|----------|---------|
| | | 64-SDP-2-75I | - | | Leacha | te Eleva | ations |
| | MONTHLY | WATER ELE\ | /ATIONS | | | | |
| | LHMW 73 | LHMW 74 | LHMW 75 | LHPZ 76 | LHPZ 77 | LHMW 78 | LHMW 79 |
| OP PVC. ELEV, F1 | 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 | |
| 10/22/2018 | 964.04 | Removed | 1019.71 | Removed | Removed | 974.35 | |
| 11/13/2018 | 964.07 | Removed | 1019.35 | Removed | Removed | 974.50 | |
| 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 | 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 | |
| 6/19/2019 | 964.37 | Removed | 1020.50 | Removed | Removed | 974.36 | |
| 7/8/2019 | 964.28 | Removed | 1020.29 | Removed | Removed | 974.10 | |
| 8/23/2019 | 964.17 | Removed | 1019.95 | Removed | Removed | 974.16 | |
| 9/25/2019 | 964.11 | Removed | 1020.08 | Removed | Removed | 974.06 | |
| 10/23/2019 | 964.07 | Removed | 1012.05 | | Removed | 974.11 | |
| 11/14/2019 | 964.07 | Removed | 1019.90 | Removed | Removed | 974.14 | |
| 12/12/2019 | 964.09 | Removed | 1021.23 | Removed | Removed | 974.18 | |
| 1/15/2020 | 964.02 | Removed | 1020.15 | Removed | Removed | 974.05 | |
| 2/5/2020 | 964.12 | | 1020.25 | | Removed | 974.16 | |
| 3/3/2020 | 964.12 | | 1020.25 | | Removed | 974.46 | |
| 4/10/2020 | 964.09 | | 1020.73 | | Removed | 974.16 | |
| 5/13/2020 | 964.12 | Removed | 1020.65 | | Removed | 974.10 | |
| 6/3/2020 | 964.12 | Removed | 1020.00 | | Removed | 974.59 | |
| 7/8/2020 | 964.12 | Removed | 1021.00 | | Removed | 974.08 | |
| 8/4/2020 | 964.52 | Removed | 1020.92 | | Removed | 973.91 | |
| 9/3/2020 | 964.47 | Removed | 1020.30 | | | 974.31 | |
| 10/23/2020 | | Removed | 1020.49 | | Removed | 974.03 | |
| 11/30/2020 | 964.27 964.22 | Removed | 1019.00 | Removed Removed | Removed Removed | 974.03 | |
| 12/18/2020 | 965.18 | | 1017.23 | | | 974.06 | |
| | 1 | | | Removed | Removed | | |
| 1/7/2021 | 964.27 | Removed | 1019.30 | | Removed | 974.11 | |
| 2/19/2021 | 964.27 | Removed | 1019.20 | | Removed | 974.09 | |
| 3/9/2021 | 964.57 | Removed | 1019.35 | | Removed | 974.26 | |
| 4/5/2021 | 964.62 | Removed | 1020.09 | | Removed | 974.52 | |
| 5/14/2021 | 964.64 | Removed | 1019.65 | | Removed | 974.15 | |
| 6/9/2021 | 964.53 | Removed | 1020.25 | | Removed | 974.11 | |
| 7/1/2021 | 964.43 | | 1018.35 | | Removed | 974.01 | 996.17 |
| 8/5/2021 | 964.36 | | 1019.55 | | Removed | 973.91 | |
| 9/24/2021 | 964.19 | | 1018.88 | | Removed | 973.76 | |
| 10/8/2021 | 964.24 | | 1018.92 | Removed | Removed | 974.26 | |
| 11/2/2021 | 964.17 | Removed | 1018.50 | | Removed | 973.83 | |
| 12/3/2021 | 964.13 | Removed | 1019.01 | Removed | Removed | 974.10 | 995.91 |

| | MARSHALL C | COUNTY SANI | TARY LANDFI | LL | | | |
|-------------------|------------|--------------|-------------|---------|---------|----------|---------|
| | | 64-SDP-2-75F | > | | Leacha | te Eleva | ations |
| | MONTHLY | WATER ELEV | /ATIONS | | | | |
| | 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 | 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 | 996.3 |
| 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 | 996.8 |
| 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 |
| | | | | | | | |









Appendix G.3 – Treatment Agreement with 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 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 | ditions of the March | in all terms and cor | In accordance w |
| See Note #1 | ble provisions of l | dec with eny applic | Ordinance, and |

^{*}Surcharge rates apply above these values (these are not permit limits)

| Range of pH level in contribution 5.5 - 11.0. Peak hourly f | low 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 | viet ne batt nonas | negs and the communication | ञ्चावताष्ट्र हो सामाञ्च हता । |
| - doise in the maintain as | r (cintedinos of innr) - contenti la trappo | | ric Super lareadeur r and edice data submit |
| hes mostibees gales II | ot odt diturnalinger. | All many might have transport boundling | san kan diku batit au. atmammiupsa |
| | | | |

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.

<u>Note #1:</u> 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

2024

| | Gallons |
|--------------|-------------------|
| <u>Month</u> | <u>Discharged</u> |
| January | |
| February | |
| March | |
| April | 1,257,168 |
| May | |
| June | |
| July | 1,043,452 |
| August | 756,444 |
| September | |
| October | |
| November | |
| December | |
| | 3.057.064 |

Appendix G.5 – Leachate Analyses by POTW

| | ~~~ | | | | | | | | | | | | ~ | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|------------------|----------|---|--|--------|--|--------|---|---|--|---|--------|--|--------|--|--|--|-----------|--|--------|--|--|--|--|--|-----------|-----------|--|--|-----------|----------------|--------|--|------|
| TKN | | 18.358 | 36.717 | 36.717 | 36.717 | 36.717 | 36.717 | 36.717 | 36 717 | 36 717 | 36 717 | 36 717 | 36 717 | 36 717 | 36 717 | 36 717 | 30.717 | 30.717 | 18.358 | 18.358 | 18.358 | 15.303 | representation of the control of the | The state of the s | | and the same of th | | | And the state of t | and the control of th | 070 070 | 6/6.268 | 32.203 | 36./1/ | 0000 |
| TKN MG/L | | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 04.0 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 57.5 57.5 | 04.5 84.5 | 04.0 | 04.0 | 04.0 | 04.0 | 0.4.0 | The second of th | The second section of Artist Control C | - | | | | And the control of th | The second secon | 254 5 | 0 | | 64.5 | |
| Ammonia LB | | | | OREN DE FINIT PRODUCTION - PER TRANSPORTATION - | - Open and an appropriate of the control of the con | | e · man | | | | As the second control of the second control | - | | | | and the second s | and the complete of the comple | | POR COLOR | and the second s | | | The second section of the second second | | | | 1 | | THE RESERVE OF THE PROPERTY OF | APPLY MENDER AND THE PROPERTY OF THE PROPERTY | | | | | , |
| Ammonia MG/L | | | | | | | And the second s | | | Activities of Application and | Andrew Property Commence of the Property of th | de la companya de Colon de La colon de | | The second secon | | Minimum and the second | Accepted on the Control of the Contr | The second of th | - | - | | | And the state of t | And and the second seco | | | | | | CONTRACTOR OF THE CONTRACTOR O | | | | And the second s | |
| TSS | | 15.37 | 30.74 | 30.74 | 30.74 | 30.74 | 30.74 | 30.74 | 30.74 | 30.74 | 30.74 | 30.74 | 30.74 | 30.74 | 30.74 | 30.74 | 30.74 | 15.37 | 15.37 | 15.37 | 12.86 | | | The first own comments by partitions by the fact that the | | Annual Control of Special Control of the Control of | | | | | 566 18 | 26 96 26 96 | 30.74 | 12.86 | - |
| TSS (mg/L) | | 54 | 54 74 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | | And the control of th | Windowskie and the same and the | | | | | Montenant and the contract of | A Company of Charles of the Charles | | - | | 54 | |
| BOD 5 LB | | 8.254 | 16.500 | 16.508 | 16.508 | 16.508 | 16.508 | 16.508 | 16.508 | 16.508 | 16.508 | 16.508 | 16.508 | 16.508 | 16.508 | 16.508 | 16.508 | 8.254 | 8.254 | 8.254 | 6.908 | and the second second second second second | Annual and the second of the s | A CONTRACT OF THE PROPERTY OF | The same of the sa | | | | And the second s | | 304.059 | | | 6.908 | |
| BOD 5 MG/L | | 28.00 | 29.00 | 29.00 | 29.00 | 29.00 | | | *************************************** | | | | | | | | | | | | 29.00 | | | The second secon | | | | | Action property the country of the contract of the country of the | The state of the second of the state of the second of the | 00.609 | | | 29.00 | |
| Flow | 24 400 | 34,128 68,256 | 68,236 | 68,256 | 68,256 | 68,256 | 68,256 | 68,256 | 68,256 | 68,256 | 68,256 | 68,256 | 68,256 | 68,256 | 68,256 | 68,256 | 68,256 | 34,128 | 34,128 | 34,128 | 28,560 | | | | | - | | | The second of th | The same and the same section of the same sect | 1,257,168 | 59,865 | 38,256 | 28,560 | |
| Marshall County Landfill Daily 4/1/2024 - 4/30/2024 | () • () | 4/2/2024 | 4/3/2024 | 4/4/2024 | 4/5/2024 | | | | 4/9/2024 | | 11/2024 | 12/2024 | | | | | 17/2024 | 18/2024 | | | | 4/22/2024 | 4/23/2024 | 4/24/2024 | 4/25/2024 | 4/26/2024 | 4/27/2024 | 4/28/2024 | 4/29/2024 | 4/30/2024 | | | > | Min | |



MONTH: April YEAR: 2024

| | FLOW | BOD | DOD | | | | | | |
|------------|-----------------|-----------|----------------|------|------|-----|------|-----|--|
| DATE | MGD | mg/L | BOD LBS | | TSS | TSS | TKN | TKN | |
| 1 | 0.0341 | 29 | | pH | mg/L | LBS | mg/L | LBS | |
| 2 | 0.0683 | 29 | 8.25 | 8.50 | 54 | 15 | 64.5 | 18 | |
| 3 | 0.0683 | 29 | 16.51 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 4 | 0.0683 | 29 | | 8.50 | 54 | 31 | 64.5 | 37 | |
| 5 . | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 6 | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 7 | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 8 | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 9 | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 10 | 0.0683 | | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 11 | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 12 | | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 13 | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 14 | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 15 | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 16 | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 17 | 0.0683 | 29 | 16.51 | 8.50 | 54 | 31 | 64.5 | 37 | |
| 18 | 0.0341 | 29 | 8.25 | 8.50 | 54 | 15 | 64.5 | 18 | |
| 19 | 0.0341 | 29 | 8.25 | 8.50 | 54 | 15 | 64.5 | 18 | |
| 20 | 0.0341 | 29 | 8.25 | 8.50 | 54 | 15 | 64.5 | 18 | |
| 21 | 0.0286 | 29 | 6.91 | 8.50 | 54 | 13 | 64.5 | 15 | |
| 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 | | Ō | |
| 28 | | | 0.00 | | | 0 | | 0 | |
| 29 | | | 0.00 | | | 0 | | Ö | |
| 30 | | | 0.00 | | | 0 | | 0 | |
| TOTAL | 1.2572 | | 304 | | | 566 | | 676 | |
| AVE | 0.0599 | 29 | 14 | 8.50 | 54 | 27 | | 32 | |
| MAX | 0.0683 | 29 | 17 | 8.50 | 54 | 31 | 64.5 | 37 | |
| MIN | 0.0286 | 29 | . 0 | 8.50 | 54 | 0 | 64.5 | 0 | |
| Sample was | s brought in or | 1 4-10-24 | | | | | | | |

MONTH:

April

YEAR:

| 2024 |
|------|
| |

| DATE | FLOW MGD | BOD mg/L | BOD-200 | BOD | TSS | TSS-200 | TSS | TKN | TKN-75 | TKN |
|-------|-------------|-------------|---------|-----|------|---------|-----|------|--------|-----|
| 1 | 0.0341 | 29 | mg/L | LBS | mg/L | mg/L | LBS | mg/L | mg/L | LBS |
| 2 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 3 | 0.0683 | | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 4 | | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 5 | 0.0683 | 29 | 0 | 0 | . 54 | 0 | 0 | 64.5 | 0 | 0 |
| 6 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 7 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 8 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 9 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 10 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 11 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 12 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 13 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | Ö |
| 14 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | Ö |
| 15 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 16 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | Ö |
| 17 | 0.0683 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 18 | 0.0341 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 19 | 0.0341 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 20 | 0.0341 | 29 | 0 | 0 | 54 | 0 | 0 | 64.5 | 0 | 0 |
| 21 | 0.0286 | 29 | 0 | 0 | 54 | 0 | Ö | 64.5 | 0 | 0 |
| 22 | 0.0000 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 |
| 23 | 0.0000 | 0 | 0 | 0 | 0 | Ö | 0 | 0.0 | 0 | 0 |
| 24 | 0.0000 | 0 | 0 | 0 | 0 | Ö | 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 | | |
| 28 | 0.0000 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 |
| 29 | 0.0000 | Ō | Ö | 0 | 0 | 0 | 0 | | 0 | 0 |
| 30 | 0.0000 | Ö | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 |
| TOTAL | 1.2572 | | | 0 | U | U | 0 | 0.0 | 0 | 0 |
| | | | | | | | U | | 0.000 | 0 |

| • | TOTAL | \$ 0.00 |
|---|--------------|------------|
| 0 | #TKN*0.402= | 0.00 |
| 0 | #SS*0.371= | 0.00 |
| 0 | #CBOD*0.618= | 0.00 |

| 4 |
|--------|
| 202 |
| 02 |
| N |
| _1 |
| |
| - |
| 4 |
| Q |
| 2 |
| V |
| _i |
| |
| |
| |
| 5 |
| 2 |
| OI |
| 0 |
| |
| 니 |
| 1 |
| V |
| I |
| S |
| 0 |
| \geq |
| 7 |
| 5 |
| 0000 |

| MARSHALL COUNTY LANDFILL 2024 | | | | | | | | | | | | | | | | |
|-------------------------------|-------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|---------|--------|--------|----------|
| MARSHALL | PB | 0.0004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0000 | 00.0 | 0.00 |
| | Pb | 0.00076 | | | | | | | | | | | 0.0008 | 0000 | 00.0 | 2.5 |
| | Cu | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.000.0 | 0.0000 | 0 0000 | 000 | 00.0 | 5 |
| | Cu ma/L | <0.002 | | | | | | | | | | | #DIV/0! | 0.00 | 000 | |
| | Cr | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.000.0 | 0.0000 | 0.0000 | 0.00 | 0.00 | |
| | Cr mg/L | <0.00025 | | | | | | | | | | | #DIV/0i | 0.000 | 0.000 | |
| 124 | Cd | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.000 | 0.000 | T. W. C. |
| WARSHALL COUNTY LANDFILL 2024 | .Cd mg/L | <0.00025 | | | | | | | | i | | | #DIV/0i | 0.000 | 0.000 | |
| COUNTYL | Hd | 8.50 | | | | | | | | | | | 8.50 | 8.50 | 8.50 | |
| AKSHALL | FLOW | 0.0683 | | | | | | | | | | | 0.0683 | 0.0683 | 0.0683 | |
| <1 | DATE | 04/10/24 | | | | | , | | | | | 1,14 | AVE | MAX | Z | |

| Zn | lbs | 0.0118 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0013 | 0.012 | 0.000 |
|------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|-------|-------|
| Zn | mg/L | 0.021 | | | | | | | | | | | 0.021 | 0.021 | 0.021 |
| Z | Ibs | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.002 | 0.01 | 0.00 |
| Z | mg/L | 0.023663 | | | | | | | | | | | #REF! | #REF! | #REF! |
| FLOW | MGD | 0.0683 | 0.0186 | 0.000.0 | 0.000.0 | 0.000.0 | 0.000.0 | 0.000.0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | #REF! | #REF! | #REF! |
| | DATE | 04/10/24 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | AVE | MAX | MIN |

| Niarshall County Landfill Daily 8/1/2024 - 8/31/2024 | Flow | BOD 5 MG/L | BOD 5 | TSS (mg/L) | TSS | Ammonia MG/L | Ammonia LB | TKN MG/L | T K B |
|---|--|--|------------------|---|--|--|--|-------------|--|
| → | | | | | | | | | |
| 8/1/2024 | 22,480 | 41.00 | 7.687 | 7 | 1.27 | | | 77.0 | 14.436 |
| 8/2/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | A STATE OF THE STA | 77.0 | 34.647 |
| 8/3/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | | 77.0 | 34.647 |
| 8/4/2024 | 53,952 | 41.00 | 18.448 | | 3.05 | | to the part above descriptions where the part of the p | 77.0 | 34.647 |
| 8/5/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | And the second s | | 77.0 | 34.647 |
| 8/6/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | - | 77.0 | 34.647 |
| 8/7/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | | 77.0 | 34.647 |
| 8/8/2024 | 53,952 | 41.00 | 18.448 | 2. | 3.05 | | | 77.0 | 34.647 |
| 8/9/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | | 77.0 | 34.647 |
| 8/10/2024 | 53,952 | 41.00 | 18.448 | | 3.05 | | and the same of the same of the same of the same of | 77.0 | 34.647 |
| 8/11/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | are the mark and as the following little digits and | 77.0 | 34.647 |
| 8/12/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | | 77.0 | 34.647 |
| 8/13/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | | 77.0 | 34.647 |
| 8/14/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | | 77.0 | 34.647 |
| 8/15/2024 | 22,480 | 41.00 | 7.687 | 7 | 1.27 | | 1 A | 77.0 | 14.436 |
| 8/16/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | The second of th | 77.0 | 34.647 |
| 8/17/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | | 77.0 | 34.647 |
| 8/18/2024 | 26,976 | 41.00 | 9.224 | 7 | 1.53 | | | 77.0 | 17.323 |
| 8/19/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | | 77.0 | 34.647 |
| 8/20/2024 | 53,952 | 41.00 | 18.448 | 7 | 3.05 | | | 77.0 | 34.647 |
| 8/21/2024 | 22,480 | 41.00 | 7.687 | 7 | 1.27 | • | | 77.0 | 14.436 |
| 8/22/2024 | 22,480 | 41.00 | 7.687 | 7 | 1.27 | and the second s | | 77.0 | |
| 8/23/2024 | 9,368 | 41.00 | 3.203 | 7 | 0.53 | - | The second secon | 77.0 | 6.016 |
| 8/24/2024 | | | | | | | | | |
| 8/26/2024 | | | | | | | | | |
| 0/20/2024 | | | | | | | | | and the same |
| 0/21/2024 | | | | | | | | | |
| 8/20/2024 | Commence of the commence of th | | to Market Africa | debides de ser en | and another in Australia and A | Access designation of the second of the seco | Constitution of the section of the s | | |
| 8/30/2024 | The second secon | Manual Company of the | | | the state of the s | and the second s | The second secon | 140 100 100 | the second secon |
| 8/34/2024 | | | | | | | | | |
| 4707 | | | | | | | | | |
| | 1,043,448 | 943.00 | 356.797 | 156 | 29.00 | ** | | 1,771.0 | 670.081 |
| | 45,367 | 41.00 | | 7 | 2.57 | | | 77.0 | 29.134 |
| Max | 53,952 | 41.00 | - 04 M | 7 | 3.05 | and the state of t | | 77.0 | 34.647 |
| MIN | 9,368 | 41.00 | 3.203 | 7 | 0.53 | | THE PROPERTY OF THE PARTY OF TH | 77.0 | 6.016 |



MONTH: August YEAR: 2024

| DATE | FLOW MGD | BOD mg/L | BOD LBS | рН | TSS mg/L | TSS LBS | TKN mg/L | TKN LBS | |
|-------|-------------|-------------|------------|------|-------------|------------|-------------|------------|--|
| 1 | 0.0225 | 41 | 7.69 | 6.78 | 25 | 5 | 77.0 | 14 | |
| 2 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 3 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 4 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 5 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 6 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 7 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 8 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 9 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 10 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 11 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 12 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 13 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 14 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 15 | 0.0225 | 41 | 7.69 | 6.78 | 25 | 5 | 77.0 | 14 | |
| 16 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 17 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 18 | 0.0270 | 41 | 9.22 | 6.78 | 25 | 6 | 77.0 | 17 | |
| 19 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 20 | 0.0540 | 41 | 18.45 | 6.78 | 25 | 11 | 77.0 | 35 | |
| 21 | 0.0225 | 41 | 7.69 | 6.78 | 25 | 5 | 77.0 | 14 | |
| 22 | 0.0225 | 41 | 7.69 | 6.78 | 25 | 5 | 77.0 | 14 | |
| 23 | 0.0094 | 41 | 3.20 | 6.78 | 25 | 2 | 77.0 | 6 | |
| 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 | |
| 31 | | | 0.00 | | | 0 | | 0 | |
| TOTAL | 1.0434 | | 357 | | | 218 | | 670 | |
| AVE | 0.0454 | 41 | 16 | 6.78 | 25 | 10 | | 29 | |
| MAX - | 0.0540 | 41 | 18 | 6.78 | 25 | 11 | 77.0 | 35 | |
| MIN | 0.0094 | 41 | 0 | 6.78 | 25 | 0 | 77.0 | 0 | |

Sample was brought in on 8-1-24

MONTH:

August 2024

YEAR:

| 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 | 0.0225 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 0 |
| 2 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 3 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 4 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 5 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 6 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 7 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 8 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 9 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 10 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 11 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 12 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 13 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 14 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 15 | 0.0225 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 0 |
| 16 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 17 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 18 | 0.0270 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 0 |
| 19 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 20 | 0.0540 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 1 |
| 21 | 0.0225 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 0 |
| 22 | 0.0225 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 0 |
| 23 | 0.0094 | 41 | 0 | 0 | 25 | 0 | 0 | 77.0 | 2 | 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 |
| 31 | 0.0000 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 |
| TOTAL | 1.0434 | | | 0 | | | 0 | | | 17.405 |

| | TOTAL | 7.00 |
|---------|--------------|----------|
| 17.4047 | #TKN*0.402= | 7.00 |
| 0 | #SS*0.371= | 0.00 |
| . 0 | #CBOD*0.618= | 0.00 |

MARSHALL COUNTY LANDFILL 2024

| 4 | |
|-----------|--|
| 2 | |
| \approx | |
| | |
| - | |
| = | |
| Щ | |
| 0 | |
| 2 | |
| 5 | |
| | |
| 7 | |
| ~ | |
| | |
| < | |
| Š | |
| 0 | |
| O | |
| _ | |
| 7 | |
| 7 | |
| 7 | |
| 7 | |
| S | |
| K | |
| V | |
| 2 | |
| - | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| | PB | LBS | 0.0004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.000.0 | 0.0001 | 00.00 | 00.0 | PRODUCE OF A DESIGNATION OF THE PERSONS |
|-------|----------|------|----------|----------|--------|---------|---------|--------|--------|--------|---------|--------|---------|---------|--------|--------|---|
| ā | d Q | mg/L | 0.00076 | <0.00075 | | | | | | | | | | 0.0008 | 00.00 | 00.00 | |
| ć | 3 | LBS | 0.0000 | 0.0026 | 0.0000 | 0.000.0 | 0.000.0 | 0.000 | 0.000 | 0.0000 | 0.000.0 | 0.0000 | 0.000 | 0.0003 | 0.00 | 0.00 | |
| ć | כם | mg/L | <0.002 | 0.014 | | | | | | | | | | 0.0138 | 0.01 | 0.01 | |
| ć | <u>ל</u> | LBS | 0.0000 | 0.0010 | 0.0000 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.00 | 0.00 | |
| ċ | 5 | mg/L | <0.00025 | 0.005 | | | | | | | | | | 0.005 | 0.000 | 0.000 | |
| 3 | 3 | LBS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.000 | 0.000 | |
| Š | 3 | mg/L | <0.00025 | <0.00025 | | | | | | | | | | #DIV/0i | 0.000 | 0.000 | |
| | | Hd | 8.50 | 6.78 | | | | | | | | | | 7.64 | 8.50 | 6.78 | |
| MO II | L LOW | MGD | 0.0683 | 0.0225 | | | | | | | | | | 0.0454 | 0.0683 | 0.0683 | |
| | | DATE | 04/10/24 | 08/01/24 | | | | | | | | | | AVE | MAX | ZIV | |

| Zn | 0.0118 | 0.0043 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0018 | 0.012 | 0.000 |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|-------|-------|
| ZnZ | 0.021 | 0.023 | | | | | | | | | | 0.022 | 0.023 | 0.021 |
| Ξg | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.002 | 0.01 | 00.00 |
| i N | 0.023663 | 0.018759 | | | | | | | | | | #REF! | #REF! | #REF! |
| FLOW | 0.0683 | 0.0225 | 0.000.0 | 0.000.0 | 0.000.0 | 0.0000 | 0.000.0 | 0.000.0 | 0.000.0 | 0.000.0 | 0.0000 | #REF! | #REF! | #REF! |
| DATE | 04/10/24 | 08/01/24 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | 01/00/00 | AVE | MAX | NIM |

| Ammonia TKN TKN TKN LB MG/L LB | 44.7 7.303 | | | - | - | 44.7 17.527 | | | | | | | | | | | | | | | | | The state of the s | the second contract of | | | | | The control of the co | the second of th | | 44.7 16.588 | |
|--|------------|----------|----------|----------|----------|-------------|----------|----------|----------|-----------|--|--|-----------|-----------|-----------|--|-----------|-----------|--|--|-----------|-----------------|--|--|--|-----------|--|-----------|--|--|---------|-------------|--------|
| TSS Ammonia LB MG/L | 12.58 | 30.19 | 30.19 | 30.19 | 30.19 | 30.19 | 30.19 | 30.19 | 30.19 | 30.19 | 30.19 | 30.19 | 30.19 | 30.19 | 30.19 | 30.19 | 20.30 | | | | | | | | | | | | THE COLUMN TWO COLUMNS AND ADDRESS OF THE COLUMN TWO COLUMNS AND ADDRE | and the second s | 485 77 | 28.57 | 20.40 |
| TSS (mg/L) | | | | | | . 77 | | | - | | The state of the s | and the part of the same of th | | | | And the second of the second of the second | | | - | The state of the s | | | A CONTRACTOR OF THE PARTY OF TH | and the second s | | | The state of the s | | the distribution with a few or a security of the security | * Mill provides with the second secon | | 77 | |
| BOD 5 LB | 5.065 | 12.156 | 12.156 | 12.156 | 12.156 | 12.156 | 12.156 | 12.156 | 12.156 | 12.156 | 12.156 | 12.156 | 12.156 | 12.156 | 12.156 | 12.156 | 8.173 | | the state of the s | | | | | THE RESIDENCE OF THE RESIDENCE OF THE PROPERTY | The second secon | | | | The second property points assess and county Assessor. The or | the first and a second or | 195.571 | 11.504 | 01707 |
| BOD 5 MG/L | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | | S. September 1 | | - Cartha | o near teaching | The second secon | | | | 7 | | About the second of the second | The state of the s | 527.00 | 31.00 | 24.00 |
| Flow | 19,590 | 47,016 | 47,016 | 47,016 | 47,016 | 47,016 | 47,016 | 47,016 | 47,016 | 47,016 | 47,016 | 47,016 | 47,016 | 47,016 | 47,016 | 47,016 | 31.614 | | | | | | The second secon | | | | | | ARREST AND A CONTROL OF THE PROPERTY OF THE PR | | 756.444 | 44,497 | 47 046 |
| Marshall County Landfill Daily 9/1/2024 - 9/30/2024 | 9/1/2024 | 9/2/2024 | 9/3/2024 | 9/4/2024 | 9/5/2024 | 9/6/2024 | 9/7/2024 | 9/8/2024 | 9/9/2024 | 9/10/2024 | 9/11/2024 | 9/12/2024 | 9/13/2024 | 9/14/2024 | 9/15/2024 | 9/16/2024 | 9/17/2024 | 9/18/2024 | 9/19/2024 | 9/20/2024 | 9/21/2024 | 9/22/2024 | 9/23/2024 | 9/24/2024 | 9/25/2024 | 9/26/2024 | 9/27/2024 | 9/28/2024 | 9/29/2024 | 9/30/2024 | Sum | Avg | Ve/V |



| FILL 2024 | | | | | | | | | | | | | | | | | |
|-------------------------------|------|------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--|
| UNTY LAND | | | | | | | | | | | | | | | | | |
| MARSHALL COUNTY LANDFILL 2024 | PB | LBS | 0.0004 | 00000 | 0.0000 | 0000 | 0000 | 0000 | 0.000.0 | 0000 | 0.000.0 | 0.000.0 | 0000 | 0.0001 | 0.00 | 0.00 | |
| MA | Pb | mg/L | | _ | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0008 | 0.00 | 0.00 | |
| | Cu | LBS | 0.000.0 | 0.0026 | 0.000.0 | 0.000.0 | 0.000.0 | 0.000.0 | 0.000.0 | 0.000.0 | 0.000.0 | 0.000.0 | 0.000.0 | 0.0003 | 00.0 | 0.00 | |
| | Cu | mg/L | <0.002 | 0.014 | <0.002 | | | | | | | | | 0.0138 | 0.01 | 0.01 | |
| | ວັ | LBS | 0.0000 | 0.0010 | 0.0015 | 0.000.0 | 0.0000 | 0.0000 | 0.0000 | 0.000.0 | 0.000.0 | 0.000.0 | 0.000.0 | 0.0003 | 0.00 | 00.00 | |
| | ວັ | mg/L | <0.00025 | 0.005 | 0.004 | | | | | | | | | 0.004 | 0.000 | 0.000 | |
| 24 | Р | LBS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.000 | 0.000 | |
| ANDFILL 20 | S | mg/L | <0.00025 | <0.00025 | <0.00025 | | | | | | | | | #DIV/0i | 0.000 | 0.000 | |
| COUNTYL | | ЬH | 8.50 | 6.78 | 8.15 | | | | | | | | | 7.81 | 8.50 | 6.78 | |
| MARSHALL COUNTY LANDFILL 2024 | FLOW | MGD | 0.0683 | 0.0225 | 0.0470 | | | | | | | | | 0.0459 | 0.0683 | 0.0683 | |
| 77 | | DATE |)4/10/24 |)8/01/24 | 19/05/24 | | | | | | | | | AVE | MAX | Z | |

| Zn | sql | 0.0118 | 0.0043 | 0.0048 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0023 | 0.012 | 0.000 |
|------|------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|--------|-------|-------|
| Zn | mg/L | 0.021 | 0.023 | 0.012 | | | | | | | | | 0.019 | 0.023 | 0.012 |
| ž | sql | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.004 | 0.01 | 0.00 |
| Z | mg/L | 0.023663 | 0.018759 | 0.019355 | | | | | | | | | #REF! | #REF! | #REF! |
| FLOW | MGD | 0.0683 | 0.0225 | 0.0470 | 0.0000 | 0.000 | 0.000 | 0.000.0 | 0.000 | 0.000 | 0.000.0 | 0.0000 | #REF! | #REF! | #REF! |
| | DATE | 4/10/24 | 8/01/24 | 9/05/24 | 1/00/00 | 1/00/00 | 1/00/00 | 1/00/00 | 1/00/00 | 1/00/00 | 1/00/00 | 1/00/00 | AVE | MAX | MIN |

MONTH: September YEAR: 2024

| DATE | FLOW MGD | BOD mg/L | BOD LBS | рН | TSS mg/L | TSS LBS | TKN mg/L | TKN LBS | |
|-------|-------------|-------------|------------|------|-------------|------------|-------------|------------|--|
| 1 | 0.0196 | 31 | 5.06 | 8.15 | 77 | 13 | 44.7 | 7 | |
| 2 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 3 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 4 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 5 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 6 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 7 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 8 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 9 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 10 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 11 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 12 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 13 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 14 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 15 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 16 | 0.0470 | 31 | 12.16 | 8.15 | 77 | 30 | 44.7 | 18 | |
| 17 | 0.0316 | 31 | 8.17 | 8.15 | 77 | 20 | 44.7 | 12 | |
| 18 | | | 0.00 | | | 0 | | 0 | |
| 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 | 0.7564 | | 196 | | | 486 | | 282 | |
| AVE | 0.0445 | 31 | 12 | 8.15 | 77 | 29 | | 17 | |
| MAX | 0.0470 | 31 | 12 | 8.15 | 77 | 30 | 44.7 | 18 | |
| MIN | 0.0196 | 31 | 0 | 8.15 | 77 | 0 | 44.7 | 0 | |

Annual Inspection sample was collected 9-5-24

MONTH:

September

YEAR:

2024

| 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 | 0.0196 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 2 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 3 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 4 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 5 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 6 | 0.0470 | 31 | 0 | 0 | 77 | 0 | Q | 44.7 | 0 | 0 |
| 7 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 8 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 9 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 10 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 11 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 12 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 13 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 14 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 15 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 16 | 0.0470 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 17 | 0.0316 | 31 | 0 | 0 | 77 | 0 | 0 | 44.7 | 0 | 0 |
| 18 | 0.0000 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 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 | 0.7564 | | | 0 | | | 0 | | | 0 |

| | TOTAL | \$ 0 |
|---|--------------|---------|
| 0 | #TKN*0.402= | 0.00 |
| 0 | #SS*0.371= | 0.00 |
| 0 | #CBOD*0.618= | 0.00 |

Appendix G.6 – Priority Pollutant Scan



| Collection L | ocation | Collector and Phone | Client Reference | Accession # | |
|-----------------|------------------|---------------------|----------------------|--------------------|--|
| leachole lagoon | | draper damien | marshall co landfill | 2269894 | |
| | | 641/754-5709 | | | |
| | | Collected | Received | Project | |
| MARSHALLTOWN, | | 2023-04-20 | 2023-04-20 13:16 | | |
| TV . | | | | Sample Description | |
| | DAMIEN DRA | PER | | non drinking water | |
| ပ | MARSHALLTO | OWN WPCP | | Sample Type | |
| | | | | Non-Drinking Water | |
| Report | 1001 WOODLAND ST | | | Sample Source | |
| | MARSHALLIC | OWN, IA 50158-1810 | | Sample Note(s) | |
| | | | | 1 | |

ADDITIONAL SAMPLE INFORMATION

Purchase Order: 04202023DD01

RESULTS OF ANALYSIS - FINAL REPORT

| IEST | 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 | |
| | Page 1 of 4 | | |



| 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 | 5 | |
| | 2,4,6-Trichlorophenol | <5 <5 | 5 | |
| | 2,4,5-Trichlorophenol | <5 <5 | 5 | |
| | 2-Chloronaphthalene | <5 <5 | 5 | |
| | 2-Nitroaniline | <5 <5 | 5 | |
| | Dimethyl phthalate | <5 <5 | 5 5 | |
| | | | | |
| | Acenaphthylene | <5 | 5 | |
| | 2,6-Dinitrotoluene 3-Nitroaniline | <5 | 5 | |
| | | <5 | 5 | |
| | Acenaphthene | <5 | 5 | |
| | 2,4-Dinitrophenol | <5 | 5 | |
| | 4-Nitrophenol Dibenzofuran | <5 | 5 | |
| | | <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 | | Client Reference | Accession # | |
|---|-----------------|----------------------|------------------|----------|
| leachole lagoon | draper damien r | marshall co landfill | 2269894 | |
| | | | | |
| TEST Discount ababatas | RESULT (L | | T LIMIT ANALYSIS | S 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, EP. | A 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 | <0.05 | 0.05 | | |
| 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 1. GCMS Volatiles, EPA 624 | ANALYZED 2023-04-24 15:37 LJL | <u>SITE</u> 3200 | RELEASED 2023-04-26 11:45 TGC | ANALYSIS PREP |
|---------------------------------------|----------------------------------|---------------------|----------------------------------|---------------|
| 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 | |



1-800-421-IOWA (4692)

| Collection Location | Collector | Client Reference | Accession # |
|---------------------|---------------|----------------------|-------------|
| leachole lagoon | draper damien | marshall co landfill | 2269894 |

TEST
5. Chlorinated Hydrocarbon Insecticides, EPA 608

ANALYZED

SITE RELEASED

ANALYSIS PREP

6. Prep by Separatory Funnel, EPA 608

2023-04-26 04:46 VER

3200 2023-04-27 14:26 TGC

Test 6

2023-04-24 08:00 MES

3200 20

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 | |
| | | Collected | Received | Project |
| MARSH | ALLTOWN, | 2023-04-20 | 2023-04-20 13:16 | |
| | | - | | Sample Description |
| | DAMIEN DRA | PER | | waste water |
| ပ္ | MARSHALLTO | OWN WPCP | | Sample Type |
| T T | | | | Non-Drinking Water |
| Report | 1001 WOODLAND ST | | | Sample Source |
| | MARSHALLI | OWN, IA 50158-1810 | | Sample Note(s) |
| | | | | 1 |

ADDITIONAL SAMPLE INFORMATION

Purchase Order: 04202023DD01

RESULTS OF ANALYSIS - FINAL REPORT

| IEST | RESULT (mg/L) | 1 | 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) | 1 | 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 # | |
|---------------------|---------------|----------------------|-------------|--|
| logobato logopa | dranar damian | marchall as landfill | 2260002 | |

| leachate lagoon | draper damien n | narshall co landfill | 2269903 | |
|--|-----------------|----------------------|------------|-------------------------|
| TEST | RESULT (p | H) | | ANALYSIS NOTE(S) |
| Laboratory pH, SM 4500 H+B | HEOSET (B | 11/ | | 3, 5 |
| Laboratory pH | 7.3 | | | 0, 0 |
| | | | | |
| TEST | RESULT (m | ig/L) QUA | ANT 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 | 0.0 | 5 | |
| Mercury, EPA 245.2 | | | | |
| Mercury | <0.00020 | 0.00 |)02 | |
| Metals, EPA 200.8 | | | | |
| Antimony | <0.005 | 0.00 | | |
| Arsenic | <0.01 | 0.0 | | |
| Barium | 0.38 | 0.0 | - | |
| Beryllium | <0.02 | 0.03 | | |
| Cadmium | <0.02 | 0.02 | | |
| Chromium | <0.02 | 0.02 | | |
| Copper | <0.01 | 0.0 | | |
| Lead | <0.01 | 0.0 | | |
| Manganese | 0.76 | 0.03 | | |
| Nickel | <0.05 | 0.0 | | |
| Selenium | <0.01 | 0.0 | | |
| Silver | <0.01 | 0.0 | | |
| Strontium | <0.02 | 0.03 | | |
| Thallium | <0.001 | 0.00 | | |
| Zinc | <0.02 | 0.02 | 2 | |

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 1. Ammonia as N, LAC 10-107-06-1J | ANALYZED 2023-05-03 09:00 KAR | <u>SITE</u> 3201 | RELEASED 2023-05-03 12:45 JAE | ANALYSIS PREP |
|--|----------------------------------|---------------------|----------------------------------|---------------|
| 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 | |



1-800-421-IOWA (4692)

| leachate lagoon draper damien | marshall co landfill | 2269903 | |
|-------------------------------|----------------------|---------|--|

| TEST 5. Total Phenol, EPA 420.1 | ANALYZED 2023-04-27 08:41 BRW | <u>SITE</u> 228 | RELEASED 2023-04-27 15:55 MLS | ANALYSIS PREP |
|---|----------------------------------|--------------------|----------------------------------|---------------|
| 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;

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.

Appendix G.7 – Daily/Weekly Leachate Recirculation Logs

Leachate Recirculation Marshall County Sanitary Landfill 2024

| APRIL | | | JUNE | | | SEPTEMBE | R | | OCTOBER | | |
|-----------|-------|---------|-----------|-------|---------|-----------|-------|---------|------------|-------|---------|
| Date | Loads | Gallons | Date | Loads | Gallons | Date | Loads | Gallons | Date | Loads | Gallons |
| 4/12/2024 | 2 | 10,000 | 6/3/2024 | 8 | 40,000 | 9/25/2024 | 11 | 55,000 | 10/15/2024 | 21 | 105,000 |
| 4/13/2024 | 4 | 20,000 | 6/4/2024 | 18 | 90,000 | 9/26/2024 | 15 | 75,000 | 10/16/2024 | 8 | 40,000 |
| | | | 6/11/2024 | 19 | 95,000 | 9/30/2024 | 14 | 70,000 | 10/19/2024 | 2 | 10,000 |
| | | | 6/18/2024 | 21 | 105,000 | | | | 10/23/2024 | 7 | 35,000 |
| | | | | | | | | | 10/24/2024 | 3 | 15,000 |
| | | | | | | | | | 10/25/2024 | 3 | 15,000 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | 6 | - | | 66 | - | | 40 | - | | 44 | - |
| | | 30,000 | | | 330,000 | | | 200,000 | | | 220,000 |

156 Loads 780,000 Gallons

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|----------------|--------|--------|---------|-----------|----------|---------|----------|
| Date | | | | | | 4/12/24 | 4/13/24 |
| Liquid Level | | | | | | | |
| (not to exceed | | | | | | | |
| 12-inches) | | | | | | | |
| LPZ-101 | | | | | | Dry | Dry |
| LPZ-106 | | | | | | Dry | Dry |
| Recirculation | | | | | | | |
| Quantity | | | | | | | |
| Number of | | | | | | 2 | 4 |
| Tanks | | | | | | | |
| Recirculated | | | | | | | |
| Total Gallons | | | | | | 10,000 | 20,000 |
| Recirculated | | | | | | | |

- 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".

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|----------------|--------|--------|---------|-----------|----------|--------|----------|
| Date | | 6/3/24 | 6/4/24 | | | | |
| Liquid Level | | | | | | | |
| (not to exceed | | | | | | | |
| 12-inches) | | | | | | | |
| LPZ-101 | | Dry | Dry | | | | |
| LPZ-106 | | Dry | Dry | | | | |
| Recirculation | | | | | | | |
| Quantity | | | | | | | |
| Number of | | 8 | 18 | | | | |
| Tanks | | | | | | | |
| Recirculated | | | | | | | |
| Total Gallons | | 40,000 | 90,000 | | | | |
| Recirculated | | | | | | | |

- 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".

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|----------------|--------|---------|---------|-----------|----------|--------|----------|
| Date | | <i></i> | 6/11/24 | , | | | , |
| Liquid Level | | | | | | | |
| (not to exceed | | | | | | | |
| 12-inches) | | | | | | | |
| LPZ-101 | | | Dry | | | | |
| LPZ-106 | | | Dry | | | | |
| Recirculation | | | | | | | |
| Quantity | | | | | | | |
| Number of | | | 19 | | | | |
| Tanks | | | | | | | |
| Recirculated | | | | | | | |
| Total Gallons | | | 95,000 | | | | |
| Recirculated | | | | | | | |

- 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".

| THE SHALL COL | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|----------------|--------|--------|---------|-----------|----------|--------|----------|
| Date | j | | 6/18/24 | , | , | | j |
| Liquid Level | | | | | | | |
| (not to exceed | | | | | | | |
| 12-inches) | | | | | | | |
| LPZ-101 | | | Dry | | | | |
| LPZ-106 | | | Dry | | | | |
| Recirculation | | | | | | | |
| Quantity | | | | | | | |
| Number of | | | 21 | | | | |
| Tanks | | | | | | | |
| Recirculated | | | | | | | |
| Total Gallons | | | 105,000 | | | | |
| Recirculated | | | | | | | |

- 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".

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|----------------|--------|--------|---------|-----------|----------|--------|----------|
| Date | | | | 9/25/24 | 9/26/24 | | |
| Liquid Level | | | | | | | |
| (not to exceed | | | | | | | |
| 12-inches) | | | | | | | |
| LPZ-101 | | | | Dry | Dry | | |
| LPZ-106 | | | | Dry | Dry | | |
| Recirculation | | | | | | | |
| Quantity | | | | | | | |
| Number of | | | | 11 | 15 | | |
| Tanks | | | | | | | |
| Recirculated | | | | | | | |
| Total Gallons | | | | 55,000 | 75,000 | | |
| Recirculated | | | | | | | |

- 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".

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|----------------|--------|---------|---------|-----------|----------|--------|----------|
| Date | | 9/30/24 | | | | | |
| Liquid Level | | | | | | | |
| (not to exceed | | | | | | | |
| 12-inches) | | | | | | | |
| LPZ-101 | | Dry | | | | | |
| LPZ-106 | | Dry | | | | | |
| Recirculation | | | | | | | |
| Quantity | | | | | | | |
| Number of | | 14 | | | | | |
| Tanks | | | | | | | |
| Recirculated | | | | | | | |
| Total Gallons | | 70,000 | | | | | |
| Recirculated | | | | | | | |

- 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".

| THE SHALL CO. | | J = 1011 0 | | J' ' Cerry E | | cen canen | <u> </u> |
|--|--------|------------|----------|--------------|----------|-----------|----------|
| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| Date | | | 10/15/24 | 10/16/24 | | | 10/19/24 |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LPZ-101 | | | Dry | Dry | | | Dry |
| LPZ-106 | | | Dry | Dry | | | Dry |
| Recirculation Quantity | | | | | | | |
| Number of Tanks Recirculated | | | 21 | 8 | | | 2 |
| Total Gallons Recirculated | | | 105,000 | 40,000 | | | 10,000 |

- 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".

| Traisman County Sumany Landin Daily, Weekly Leachate Reen culation Log | | | | | | | |
|--|--------|--------|---------|-----------|----------|----------|----------|
| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| Date | | | | 10/23/24 | 10/24/24 | 10/25/24 | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LPZ-101 | | | | Dry | Dry | Dry | |
| LPZ-106 | | | | Dry | Dry | Dry | |
| Recirculation Quantity | | | | | | | |
| Number of | | | | 7 | 3 | 3 | |
| Tanks | | | | | | | |
| Recirculated | | | | | | | |
| Total Gallons | | | | 35,000 | 15,000 | 15,000 | |
| Recirculated | | | | | | | |

- 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".