# 2025 ANNUAL WATER QUALITY REPORT

# FOR THE
# SCILA LANDFILL
# 61-SDP-1-78P
# WINTERSET, IOWA

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# Certification

Prepared by: Date: 1-16-2026

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# Section 1.0 Background Information

1.1 Report Format

Table 1 through Table 18 are attached to this report and satisfy the IDNR requirement to provide the tables to meet the IDNR format requirements included in Special Provision 4.h. of the Permit, dated December 3, 2025 (Doc #115104).

1.2 Report Priority

Sampling in accordance with Table 1 and Table 2 is recommended. It is recommended that detection, assessment, and corrective action monitoring continue in accordance with the approved HMSP as approved in Special Provision 4.a. of the Permit, dated November 18, 2024 (Doc #111332). An Alternate Source Demonstration (ASD) related to metals at MW-28 has been completed and was confirmed on May 7, 2024 (Doc # 110008). Based on the ASD, continued assessment monitoring is proposed at MW-28 in lieu of Assessment of Corrective Measures activities.

1.3 Period of Report Coverage

Water quality data evaluation is based on a running compilation of data beginning on September 23, 2014. Statistical evaluations herein are based on the most recent water quality data collected March 10, 2025, and September 4, 2025.

1.4 Current Site Map

Figure 1 and Figure 2 are attached illustrating the current site and property boundaries. Figure 3 is a Site Plan of the area of interest that features all monitoring well locations, and subsurface gas probe locations in relation to waste boundaries. Figure 4 is a Site Plan of the area of interest that highlights the approximate boundaries of the bedrock outcroppings and surfaces at the site. Phase 1 Cell A and Cell B expansion is constructed on the Ladore Shale surface. A Water contour Map for the Ladore Shale is included as Figure 5.

1.5 Site Status and Applicable Rules

**Site Location**

The SCILA Sanitary Landfill is located in NW1/4 Section 34, T76N, R27W, Madison County, Iowa. The facility is situated on Highway 92 midway between Winterset and Patterson, Iowa. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 61-SDP-1-78P.

**Landfill Layout**

The site is situated in the uplands above the Middle River valley to the south.
Expansion Areas are designated Cell 1 (2007), Cell 2 (2007), Cell 3 (2011), Cell 4 (2016), and Cell 5 (2018) in the western landfilling area. A contiguous closed landfill is situated to the west of the Subtitle D Landfill Cells 1 and 2 and north of Cell 5. Cell 1, Cell 2, Cell 3, Cell 4, and Cell 5 are actively receiving waste from the planning area.

The Cell A and Cell B of the Phase 1 Expansion Area was approved for waste acceptance on December 11, 2023 in Permit Revision 7 (Doc #108426).

**Applicable Rules**

Iowa Administrative Code (IAC) 567-113 is applicable to the site due to the contiguous nature of the Closed Landfill and the active areas (Cell 1, 2, 3, 4, and 5). IAC 567-113 is also applicable to Cell A and Cell B of the Phase 1 Expansion Area.

1.6 Summary of Hydrologic Monitoring System Plan (HMSP)

The HMSP sampling performed March 10, 2025, and September 4, 2025 conforms to Permit Provisions.

Water monitoring points and the gas monitoring network are illustrated on Figure 1, Figure 2, Figure 3, and Figure 4. Water Contour Maps are included as Figure 5, Figure 6, and Figure 11. Concentration summary maps are included as Figures 7, 8, 9, and 10 (Unconsolidated Formations - System #1) and as Figures 12, 13, and 14 (Exline Formation – System #4). The current HMSP is summarized in Table 1. The HMSP Implementation Schedule for 2026 is itemized in Table 2. A listing of all site monitoring points that currently exist on site is included in Appendix A.

## MONITORING WELL MAINTENANCE PERFORMANCE REEVALUATION

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

*High & Low Water Levels*

Current year water elevation data is included on Table 4. Historic water elevation data is included in Table 4A. Water Contour Maps (Figures 5, 6 and 11) dated September 2025 are included with this report. The Water Contour Maps illustrates the water surfaces in the formations of interest at this site. Review of the 2025 data does not indicate excessive variability compared to historic water elevation data.

*Well Depth & Sedimentation*

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

*Well Recharge Rates & Chemistry*

The originally measured horizontal hydraulic conductivity testing results (2016 through 2024) for each site monitoring well is included on Table 4. Horizontal hydraulic conductivities ranged between $10^{-3}$ cm/sec and $10^{-7}$ cm/sec.

Field recovery data recorded for March 6, 2024 (on Table 4) indicates that the monitoring wells recover to at least 90% recovery within 6 to 24 hours after purging. The exception is at MW-32 and the Exline Formation wells MW-14D, MW-39D, MW-41D, and MW-42D where greater than 24 hours was required for the wells to recover. Well recovery information indicates that recharge to the individual wells remained sufficient to promote collection of representative water quality samples and the wells were functioning as intended. Monitoring well recharge reevaluation is due biennially according to 113.10(2)”f”, and should be evaluated again in 2026.

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

*MW-4 (aka MW-4A), MW-4B, and MW4C*

The well heads at MW-4, MW-4B, and MW4C were severely damaged on March 5, 2022 by moving debris from a tornado that destroyed most structures on the site near MW-4, MW-4B, and MW4C. MW-4A and

MW-4C were properly plugged on October 25, 2024 (Doc #111164). The well head at MW-4B was successfully repaired on August 7, 2023. MW-4B is retained for water elevation measurements.

*Background Well MW-4 (aka MW-4A) Replacement by MW-34A*
The removal of background well MW-4A resulted in the need for a replacement well in the background system for this site. MW-34A is an existing monitoring well that is located near to the former MW-4A. A request to modify the HMSP to include MW-34A as a background well was submitted to IDNR on November 17, 2025 (Doc #114752). The request was approved in Special Provision 4.a. of the Permit, dated December 3, 2025 (Doc #115104).

*Background Surface Water Monitoring Point SW-1*
A request to modify the HMSP to remove background surface water monitoring point SW-1 was submitted to IDNR on November 17, 2025 (Doc #114752). The request is based on the fact that a background point is not necessary when the downgradient point is sampled for VOC only and is evaluated by the double quantification rule (DQR). The request was approved in Special Provision 4.a. of the Permit, dated December 3, 2025 (Doc #115104).

*GU-1*
GU-1 tile is a monitoring point for the west lagoon as required by IDNR for demonstration that the west lagoon is not leaking. The lagoon is built on unconsolidated fill that was historically placed on top of the underlying bedrock. GU-1 tile is placed within the unconsolidated fill soils. GU-1 has been consistently recorded as dry since installation. The fact that GU-1 is dry is interpreted to be a positive finding and sufficiently demonstrates that the west lagoon liner has not leaked. This information is deemed to be more valuable and more immediately telling than recording water quality trends over time.

*Cell A and Cell B, Phase 1 Expansion Area*
Groundwater underdrains constructed in 2023 in the Phase 1 Expansion include GU-2, the underdrain located below the east lagoon, GU-A, the underdrain beneath Cell A, and GU-B, the underdrain beneath Cell B. Water samples were collected from each of the underdrains March 10, 2025, and September 4, 2025.

Monitoring wells MW-45A (completed in the Ladore Shale) and MW-45D (completed in the Exline Limestone) were constructed December 8, 2023. The five (5) monitoring points (GU-2, GU-A, GU-B, MW-45A, and MW-45D) in the Phase I Expansion Area are incorporated in the HMSP as approved in Special Provision 4.a. of the Permit, dated November 18, 2024 (Doc #111332). Water sampling (baseline) at GU-2, GU-A, and GU-B was initiated in November, 2023 prior to waste acceptance in Cell A or Cell B. Monitoring wells MW-45A and MW-45D were developed on January 8, 2024. Water quality sampling at MW-45A and MW-45D was initiated on March 6, 2024 prior to waste acceptance in Cell A or Cell B.

The five (5) monitoring points (GU-2, GU-A, GU-B, MW-45A, and MW-45D) in the Phase I Expansion Area are evaluated by intrawell statistical methods as approved by IDNR July 2, 2025 (Doc #113340).

# Section 2.0 Reporting Period Monitoring Activities

A summary of the planned 2026 sample collection events at each monitoring point is included on Table 2. A comprehensive summary of all sampling episodes to date are included in the Table 2A. Field sampling data related to the March 10, 2025, and September 4, 2025 sampling episodes are included on the field forms (IDNR Form 542-1322) in Appendix B.

A comprehensive summary of Analytical Data for the episodes between March 25, 2008 and September 4, 2025 is included on Table 9.

Per the Permit dated December 3, 2025 (Doc #115104) the HMSP includes the following:

Glacial Till/Fill (System #1)
Background Points *MW-4A (historic data),* MW-18, MW-34A and MW-38A.
Downgradient Point of Compliance (POC) Wells MW-1R, MW-6A (Bethany Falls), and MW-45A (Ladore Shale)
Downgradient Attenuation Zone (AZPOC) points MW-21, MW-44, Tile 1 (corrective action system), Tile 2 (corrective action system).
Groundwater Underdrain Points GU-1 (west lagoon), GU-2 (east lagoon), GU-A (Cell A), and GU-B (Cell B).

Exline Limestone Formation (System #4)
Background MW-11C, MW-39D, MW-41D, and MW-42D
Downgradient POC MW-14D, MW-17R, MW-28, and MW-45D (intrawell methods too)

Surface Water Monitoring (System #5)
Downgradient POC SW-2B (VOC only)

Supplemental Groundwater Monitoring Wells
MW-8B (Unconsolidated). Cobalt SSL – AZPOC is MW-21
MW-9AR (Unconsolidated). Cobalt, cis-1,2-dichloroethylene, and Vinyl Chloride SSLs – AZPOC is Tile 1 & Tile 2
MW-15R (Unconsolidated). Arsenic SSL – AZPOC is MW-44

Passive Engineered Conveyance Structure
SW-102

Corrective Action Monitoring Points
MW-31
MW-32
Leachate Well LW-26
Passive Landfill Gas Vents (Vents) 1-6

It is recognized that GU-2, GU-A, GU-B, and MW-45A are completed in the Ladore Shale and will require consideration as a separate groundwater monitoring system based on the baseline water quality collected from the Ladore Shale sampling points in 2023 -2026. Intrawell statistical methods are appropriate to GU-2, GU-A, GU-B, and MW-45A since baseline water quality was established prior to acceptance of waste in Cell A and Cell B. Similarly, intrawell statistical methods are also appropriate to MW-45D (along with interwell methods) since baseline water quality at MW-45D was established prior to acceptance of waste in Cell A and Cell B.

2.1 Current Detection Monitoring Activities/Sampling Requirements
*Till/Bedrock Interface* - Background wells are the *historic well MW-4A*, MW-18, MW-34A, and MW-38A. Downgradient wells/points are MW-1R (POC), monitoring well MW-21 (AZPOC), monitoring well MW-45A (POC), west lagoon underdrain GU-1 (POC), east lagoon underdrain GU-2 (POC), Cell A underdrain GU-A (POC), and Cell B underdrain GU-B (POC), remain in detection monitoring.

*Exline Bedrock System* - Background wells MW-11C, MW-39D, MW-41D, and MW-42D and downgradient monitoring well MW-45D remain in detection monitoring.

*Surface Water System* - Surface water sampling point SW-2B remain in detection monitoring.

2.2 Current Assessment Monitoring Activities

*Till/Bedrock Interface* – MW-6A (POC) and MW-44 (AZPOC) are included in the Assessment Monitoring Program.

*Exline Bedrock System* –MW-14D (POC), MW-17R (POC), and MW-28 (POC) are in the Assessment Monitoring Program.

2.3 Current Corrective Action Activities

MW-8B, MW-9AR, and MW-15R are Supplemental wells within the originally defined plumes that are included in the Corrective Action Monitoring System. Tile 1 (AZPOC – Corrective Action System) and Tile 2 (AZPOC – Corrective Action System) are discharges from the corrective action remedy below MW-9AR (groundwater cutoff tile). AZPOC Wells MW-21 and MW-44 are located below the corrective action remedy (Monitored Natural Attenuation) in place near MW-8B and MW-15R, respectively.

Additional monitoring points are included in the approved Corrective Action Monitoring System; MW-31, MW-32, LW-26, and Vents 1-6.

2.4 Passive Engineered Conveyance Structure (PECS)

The Passive Engineered Conveyance Structure (PECS) performance is monitored for VOC at SW-102.

# Section 3.0 Data Evaluation and Summary

Statistical Evaluations are prepared by Otter Creek Environmental Services for each monitoring episode. The Groundwater Statistics Report for the South Central Iowa Landfill, First Semi-Annual Monitoring Event in 2025, dated April, 2025 is included in Appendix C.1. The Groundwater Statistics Report for the South Central Iowa Landfill, Second Semi-Annual Monitoring Event in 2025, dated September, 2025 is included in Appendix C.2.

The Analytical Reports for the laboratory testing of March 10, 2025, and September 4, 2025 sampling episodes are included in Appendix D.

**QUALITY ASSURANCE/QUALITY CONTROL**

A blind duplicate sample was collected at MW-28 during the March 10, 2025 sampling episode. A blind duplicate was collected at MW-39D during the September 4, 2025 sampling episode. The purpose of the field duplicate is to evaluate the precision of sample collection and analysis process from the field through the laboratory. The calculation of the Relative Percent Difference (RPD) for duplicate pair results is used as the means to evaluate the precision.

The Quality Control (QC) limit for the RPD on field duplicates is established at thirty percent (30%) for duplicate pairs that have reported concentrations five (5) times greater than the laboratory Reporting

Limit. For samples and respective duplicates with reported analyte concentrations nearer the Reporting Limit, the RPD calculations demonstrate greater variability and the RPD can be very large. RPD values are considered non-representative in the following conditions:

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

The results of the blind duplicate and the monitoring well results (both March 10, 2025, and September 4, 2025) were within the limits established and indicate that the data quality is acceptable without restriction.

**BACKGROUND DATA VALIDATION**

On July 10, 2014 an unnumbered Permit Amendment and Memo was issued by the IDNR regarding turbidity (Doc # 80699). A TSS and Field Turbidity Evaluation Report was prepared and submitted on January 28, 2015 (Doc# 82349) and was approved by IDNR on May 5, 2015 (Doc #83305). 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.

"No-Purge" sample methods were employed at this site beginning September 23, 2014. The background data for sample collection episodes that occurred prior to September 23, 2014 have been removed in accordance with IDNR requests to do so. A summary table of field measured turbidity is included in Appendix E.

Upgradient Data, Table 1, Attachment B (shallow groundwater), and Upgradient Data, Table 1, Attachment D (bedrock groundwater) included in the September 2025 Statistical Evaluation Report (Appendix C.2) includes a summary of the background data. The site prediction limits established in the 2025 Statistical Evaluation Reports (Appendix C.1 and C.2) are based on the validated background. The calculated Site Prediction Limits are in Table 5.

**SITE SPECIFIC GWPS**

Table 5 includes the comparison of the site prediction limits to the published IAC 567, Chapter 137 Statewide Standard. The instances where the Prediction Limit exceeds the published IAC 567, Chapter 137 Statewide Standard are highlighted in yellow in Table 5.

Previously approved Site-Specific GWPS include the following:

***Shallow System***

| *Compound* | *Site-Specific GWPS* | *IAC 137 GWPS* |
|---|---|---|
| Arsenic | 48.58 ug/L | 10.0 ug/L |
| Cobalt | 7.2 ug/L | 2.1 ug/L |

***Exline System***

| *Compound* | *Prediction Limit* | *IAC 137 GWPS* |
|---|---|---|
| Antimony | 10.9 ug/L | 6.0 ug/L |
| Cobalt | 5.4 ug/L | 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 values itemized above are utilized as the Site-Specific GWPS for the respective HMSP Systems. For all other compounds the published IAC 567, Chapter 137 Statewide Standard are utilized as the GWPS. Site-Specific GWPS are included on Table 7, 8, and 10.

**SUPPLEMENTAL WELL EVALUATION**

Supplemental Wells MW-8B, MW-9AR, and MW-15R are not evaluated statistically. Time series trend analyses are evaluated at MW-8B, MW-9AR, and MW-15R to observe changes in water quality over time.

Time Series plots illustrate the trends in Supplemental Wells MW-8B, MW-9AR, and MW-15R and are included in Attachment F of The Groundwater Statistics Report for the South Central Iowa Landfill, Second Semi-Annual Monitoring Event in 2025, dated September, 2025 (Appendix C.2).

**STATISTICALLY SIGNIFICANT INCREASE (SSI) EVALUATION**

The detected concentrations of each compound are compared to the site prediction limit for each respective compound calculated based on the background data set. In *detection monitoring wells*, a detected concentration for a compound that is in excess of the calculated site prediction limit is recorded as a Statistically Significant Increase (SSI). In 2025 there were no SSI recorded in detection monitoring wells.

In assessment monitoring wells (MW-6A, MW-44, Tile 1, Tile 2, MW-14D, MW-17R, MW-28), the exceedances are not required to be reported as SSI. A running summary of recorded exceedances of the prediction limit is included in Appendix F.

Table 6 is a summary of all compounds at site monitoring wells that have exceeded a *current* prediction limit in 2025. Table 7 includes brown highlighted values that signify detected concentrations that exceeded the prediction limits (SSI) over time at the assessment monitoring wells.

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

**ASSESSMENT MONITORING SUMMARY**

Assessment monitoring is required to be repeated annually per IAC 567-113.10(6)b. However, a five (5) year full Appendix II sampling frequency is approved (in Special Provision 4.f. of the Permit dated December 3, 2025 (Doc #115104)) where at least two (2) full Appendix II samples have been collected.

Full rounds of Appendix II assessment monitoring have been completed at MW-6A (3 episodes), MW-8B (3 episodes), MW-9A/9AR (4 episodes), MW-15/15R (2 episodes), MW-14D (3 episodes), MW-17R (3 episodes), Tile 1 (2 episodes), Tile 2 (2 episodes), MW-28 (2 episodes), and at MW-44 (2 episode).

Appendix II detections (beyond the Appendix I list) have **not** been detected above laboratory method detection limits, with the following exceptions:

*MW-9A (Supplemental)* - bis(2-ethylhexyl) phthalate (9.0 ug/L) in September, 2010
*MW-15R (Supplemental)* - bis(2-ethylhexyl) phthalate (12.0 ug/L) in March, 2017
*MW-6A (assessment)* - bis(2-ethylhexyl) phthalate (55.0 ug/L) in March, 2019; (7.0 ug/L) at MW-6A in March, 2020

*MW-14D (assessment)* - bis(2-ethylhexyl) phthalate (10.0 ug/L) in March, 2024.
*MW-17R (assessment)* - bis(2-ethylhexyl) phthalate (13.0 ug/L) in March, 2022.
*MW-44(assessment)* - bis(2-ethylhexyl) phthalate (14.0 ug/L) in March, 2024, (10.0 ug/L) in September, 2024, and (6.0 ug/L) in March, 2025.

Based on the results to date, the detection of bis (2-ethylhexyl) phthalate occurs as isolated events. The request to discontinue bis (2-ethylhexyl) phthalate sampling at assessment and corrective action monitoring points, except during the required full Appendix II sampling events on the five (5) year frequency was approved by IDNR on June 9, 2017 (Doc #89661).

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

**STATISTICALLY SIGNIFICANT LEVEL (SSL) EVALUATION**

The compounds with detections that exceed site prediction limits (see summary in Table 1) are utilized to calculate the Confidence Interval (the 95% lower confidence limits (LCL) and the 95% upper control limits (UCL)) in accordance with the 2009 Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities by US EPA. The 95% LCL values 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 Measures (ACM).

The exception to this method is MW-28. An Alternate Source Determination (ASD) has been completed at MW-28 and the inorganic compounds detections at MW-28 are attributed to the reducing conditions documented in the subsurface near MW-28. The ASD was completed in late 2021 (Doc #102120) has been confirmed in the field in 2022 (Doc #104138); in 2023 (Doc # 106469); in 2024 (Doc #110008); and in 2025 (Doc #114757) as required.

The SSL Evaluation is based on data for each downgradient monitoring well. The Confidence Intervals (95% LCL and 95% UCL) are calculated during each statistical evaluation based on the most recent four (4) data points. The 95% LCL evaluation is presented in Table 7.

The 95% LCL values at assessment/corrective action monitoring wells are below the applicable Site Specific GWPS or Statewide Standards published in IAC 567, Chapter 137, except where highlighted in yellow in Table 7.

Based on the evaluations to date and review of Table 7, the following exceedances of the 95% LCL are identified (none in the last 3 years):

Attenuation Zone Point of Compliance (AZPOC) Wells
95% LCL Exceedances in 2025 at MW-21 – None
95% LCL Exceedances in 2025 at MW-44 – None
95% LCL Exceedances in 2025 at Tile 1 – None
95% LCL Exceedances in 2025 at Tile 2 – None

Point of Compliance Wells
There were no new 95% LCL Exceedances at any POC wells (including MW-6A, MW-14D, MW-17R).

Alternate Source Demonstration (ASD) Findings MW-28

Elevated detections of arsenic, barium, cobalt, and nickel are recorded at MW-28, and the cobalt concentrations yield 95% LCL concentrations above the GWPS. However, the elevated inorganic compound detections are attributed to the reducing conditions documented in the subsurface near MW-28. The reducing conditions are characterized by low dissolved oxygen concentrations, and a negative ORP. Low pH is also documented at MW-28 and facilitates the release of inorganics from the mining spoils present at MW-28. Based on the ASD, the assessment of corrective measures are not warranted at MW-28. Due to the on-going detection of low-level (below the GWPS) concentrations of VOC at MW-28 (cis-1,2-dichloroethylene and vinyl chloride), MW-28 is maintained in the assessment monitoring program at the site.

## ASSESSMENT OF CORRECTIVE MEASURES

The initial Assessment of Corrective Measures report related to MW-9A was submitted July 1, 2011. Revision of the ACM for the area near MW-9A and near MW-8B was submitted in March, 2017 (Doc #88918) and a Supplement was submitted September 11, 2019 (Doc #95931) that addressed MW-8B, MW-9AR, and MW-14D. The ACM report was approved by IDNR on October 11, 2019 (Doc #96104).

The arsenic impact at MW-15R was incorporated into the approved ACM on August 14, 2023 (Doc # 107470).

## CORRECTIVE ACTION MONITORING & EVALUATIONS

The corrective measure was selected by SCILA on January 15, 2020 and the final Corrective Action Plan (CAP) and Corrective Action Monitoring Plan (CAMP) was submitted January 24, 2020. The CAP/CAMP was approved by IDNR on June 4, 2020 (Doc #97864). The Corrective Action includes Monitored Natural Attenuation coupled with the construction of six (6) passive landfill gas vents along the west edge of the waste mass. The six (6) vents were constructed August 17, 2020 and August 18, 2020. Construction documentation for the six (6) vents was submitted on September 11, 2020 (Doc # 98442) and was approved September 25, 2020 (Doc #98526).

The arsenic impact at MW-15R was assessed and incorporated into the remedy (Monitored Natural Attenuation coupled with the construction of six (6) passive landfill gas vents along the west edge of the waste mass) in 2023. The Corrective Action Plan (CAP)/Corrective Action Monitoring Plan (CAMP) were revised and submitted on August 3, 2023 (Doc #107390) to address the arsenic at MW-15R. The revised CAP/CAMP was approved by IDNR on August 14, 2023 (Doc #107470).

The Confidence Intervals of Attenuation Zone Point of Compliance (AZPOC) Wells (MW-21, MW-44, Tile 1, and Tile 2) are utilized to determine the success of the Corrective Measures (Monitored Natural Attenuation) implemented June 4, 2020 at Supplemental Wells MW-8B, MW-9AR, and MW-15R.

### *Evaluation of Cobalt at Supplemental Well MW-8B and AZPOC MW-21*

Based on recorded data, there is no SSI for cobalt at MW-21 (Table 7). The remedy is considered complete as of June, 2023 (three years following selection of the remedy). IDNR agreement with this conclusion is included in the IDNR Letter dated July 2, 2025 (Doc #113340).

### *Evaluation of Arsenic at Supplemental Well MW-15R and AZPOC MW-44*

Based on recorded data, there are no SSI for arsenic at MW-44 (Table 7). If the water quality at MW-44 remains the same, the remedy at MW-15R will be complete in August of 2026 (three years following selection of the remedy).

*Evaluation of Cobalt, Cis-1,2 DCE, and Vinyl Chloride at Supplemental Well MW-9AR and AZPOC Tile 1 & Tile 2*
The 95% LCL value for cobalt, cis-1,2-dichloroethylene, and vinyl chloride at Tile 1 are below the GWPS. The 95% LCL value for cobalt and cis-1,2-dichloroethylene, at Tile 2 are also below the GWPS. Only the 95% LCL/95% UCL value for vinyl chloride at Tile 2 remains above the GWPS. This indicates that additional time is required until the remedy can be considered complete at MW-9AR.

The detection of VOC at Tile 1 and Tile 2 is expected, as the sample collection points represent the outfall of the cut-off trench and groundwater collection tile installed to truncate the VOC migration route, to release migrating gas, and to actively remedy the release near MW-9AR. The remedy is documented as effective, but not yet complete.

The 95% UCL evaluation for vinyl chloride at Tile 2 is presented in Table 8. The green highlights in Table 8 indicate the 95% UCL values for vinyl chloride that exceed the GWPS.

Table 10 represents the summary of the recorded SSI and SSL over time at Tile 2. Table 11 includes the evaluation of the corrective action trends over time at Tile 2. Table 11A is an evaluation of all remedies over time.

Note that there are no ACM or corrective measures required at Tile 2 based on the SSL. Tile 2 is the collected groundwater discharge from the corrective action for the facility. The discharge from Tile 2 is directed to the Passive Engineered Conveyance System (PECS) and is successfully treated.

The performance of the Passively Engineered Conveyance System (PECS) to treat the VOC impacts at Tile 1 and Tile 2 is demonstrated to be effective as all VOC at PECS sampling point (SW-102) are undetected and reported as below the MRL (Table 12).

*Corrective Action Monitoring Plan Findings*
Corrective Action Monitoring has been on-going at MW-31 and MW-32 (Table 13). Corrective Action Monitoring at Leachate Well LW-26 was initiated in 2020 (Table 14). Monitoring of landfill gas at Vents 1-6 was initiated in 2020 (Table 15). The required annual Corrective Action Monitoring of dissolved methane, ethane, ethene and alkalinity and pH at LW-26 and Supplemental Wells (MW-8B, MW-9AR) was initiated in 2020 (Table 16). Corrective Action Monitoring of dissolved methane, ethane, ethene and alkalinity and pH at Supplemental Well MW-15R started in 2023 (Table 16).

At MW-31 and MW-32 (Table 13) the detected VOC compound concentrations in 2020-2025 are below the applicable GWPS (Statewide Standards published in IAC 567, Chapter 137).

CAMP monitoring events at LW-26 (Table 14) indicate that ammonia (as nitrogen), benzene, and cobalt are typically detected at concentrations that exceed GWPS. Time series graphs are included on Table 14.

Monitoring events have been ongoing (quarterly) since 2020 at landfill gas Vents 1-6 (Table 15). Review of the data indicates gas concentrations (%LEL) indicate a slightly increasing trend at all vents, except Vent #1 and Vent #3. The data is still considered preliminary and is anticipated to change over time.

Monitoring for dissolved methane, ethane, ethene and alkalinity and pH have been completed as part of the CAMP (Table 16). Fewer data points are available at MW-15R, and CAMP testing is no longer required at MW-14D. Trends are not established, but do not appear to be increasing. It is noted that

ethane and ethene are undetected at all monitoring points (LW-26, MW-8B, MW-9AR, MW-14D, and MW-15R).

# Section 4.0 Leachate Collection System Performance Evaluation

Between January 1, 2025, and December 31, 2025, staff reported that approximately 2,250,000 gallons of leachate were recirculated to Cells 1, 2, 3, 4, and 5 in accordance with Special Provision X.5 of the July 12, 2021, SDP Permit. Dates and reported volumes of leachate recirculation are included on the Daily/Weekly Leachate Recirculation Log forms for 2025 in Appendix H.1.

A revised Leachate Recirculation Operation Plan was submitted to IDNR on August 27, 2018 (Doc #93043) and approved in Special Provision X.5 in SDP Permit dated December 11, 2023 (Doc #108426). Note that, in accordance with the Leachate Recirculation Operation Plan, compliant measurements from LW-101 were taken weekly during recirculation in 2025 and leachate thickness at LW-101 was recorded at less than 1' during recirculation activities. The dates of measurement of LW-101 are included on the Daily/Weekly Leachate Recirculation Log forms for 2025 in Appendix H.1 and in Table 17.

The facility also has an Authorization to Discharge leachate at the Des Moines Metropolitan Wastewater Reclamation Authority (WRA); however, no leachate was disposed of at the WRA in 2025.

*RCRA Subtitle D Cells 1, 2, 3, 4, and 5 LCP*

The leachate collection system in Cell 1 and Cell 2 was completed in July, 2007. Cell 1 and Cell 2 were approved for waste deposition by IDNR on August 3, 2007. The leachate collection system in Cell 3 was completed in October, 2011. Cell 3 was approved for waste deposition by IDNR on October 25, 2011. The leachate collection system in Cell 4 was completed in September, 2016. Cell 4 was approved for waste deposition by IDNR on September 15, 2016. The leachate collection system in Cell 5 was completed in August, 2018. Cell 5 was approved for waste deposition by IDNR on August 20, 2018. A leachate head monitoring point (LPZ-101) is constructed near the lowest point of Cell 1, 2, 3, 4, and 5. LPZ-101 measurements are recorded in Table 17 and demonstrate that less than one (1.0) foot of leachate head was recorded in LPZ-101 during all measurement events in 2025.

*RCRA Subtitle D Phase 1, Cell A & Cell B*

Leachate head piezometers were constructed in Cell A (LPZ-A) and Cell B (LPZ-B). Measurements were initiated on January 8, 2024. LPZ-A and LPZ-B measurements are recorded in Table 17 and demonstrate that less than one (1.0) foot of leachate head was recorded at these points during all measurement events in 2025.

*Closed Landfill LCP*

In December, 2010 five (5) leachate wells designated LW-21 through LW-25 were installed in satisfaction of Special Provision 2.b. of the SDP Permit. Leachate well LW-1E existed prior to December, 2010 but was not useable as the extraction pump was stuck in the well. Efforts to remove this pump were unsuccessful, and LW-1E was replaced by LW-26 in October, 2015.

Dedicated leachate extraction pumps have been installed in each LW with leachate conveyance piping also installed to each LW. The leachate conveyance piping conveys leachate from the leachate extraction wells

to the leachate storage lagoon. Construction documentation on the leachate conveyance piping and pumping system for LW-21 through LW-25 was submitted to IDNR on September 26, 2013 and approved in Permit Amendment #7 dated December 2, 2013. Construction documentation for LW-26 was submitted to IDNR on November 13, 2015. The documentation for the construction of LW-26 and abandonment of LW-1E was incorporated into the permit on April 15, 2016. Figure 1 in the body of the report illustrates the location of the leachate head monitoring points.

Prior to 2015, the extraction wells were only operated seasonally due to the exposed leachate discharge piping at each well head. Pitless adaptors were installed at each LW in September and October, 2015 to move the discharge piping below the frost line and allow year round operation of the extraction wells.

PVC piping (1-inch or 2-inch diameter) was installed in LW-21, -22, -23, -24, and -25 in August, 2013 and in LW-26 during construction of LW-26 in 2015. The PVC piping allows measurement of leachate elevations in the wells when the pumps, discharge piping, electrical wire, etc. are installed. The monthly leachate head monitoring point measurements are recorded in Table 17.

In the late fall of 2020 separate electric supply lines were installed from the control panel to LW-21 and LW-22. Separate electric services were installed in order to eliminate the recurring overload (and tripped circuit) experienced on the original service line that supplied both LW-21 and LW-22.

On August 17, 2020 the main supply service line to the control panel for the extraction well pumps (located near LW-24) was severed during construction of Landfill Gas Vent #4. Repair of the main supply line was hindered by the inability to get electric materials and equipment during the pandemic. Repair of the main supply line was completed on December 3, 2020.

New pumps and controls for the leachate wells were ordered in November, 2022 with delivery in March, 2023. The pumps and controls were installed in June, 2023 and began operation. It was discovered on July 12, 2023 that the pumps at LW-21 and LW-26 were not operating. Several months were required to properly diagnose the problem with the controls at LW-21 and LW-26. The equipment supplier and the installation contractor eventually determined that the controls at LW-21 and LW-26 had a corrupted configuration file in the system firmware. On December 14, 2023, the configuration files were replaced and the pumping systems at LW-21 and LW-26 began operation.

The controls at LW-21 stopped operating after January 8, 2024 and were removed and sent in for repair. The control box was replaced prior to May 22, 2024 and the pump in LW-21 resumed operation.

The new pumps and controls have led to a marked decrease in downtime for the pumps in the leachate wells with the only pump repaired in 2025 at LW-22. The LCSPE will again be reevaluated in the 2026 AWQR as required by rule.

*Leachate Storage System*

Leachate collected at the site is stored in either the east or west leachate storage lagoons (Figure 3). Both the east and the west leachate lagoons are constructed with a Subtitle D composite liner.

The west lagoon has a capacity of approximately 651,000 gallons. The lagoon was constructed in 2013 and use of the lagoon was approved by IDNR in Permit Amendment #7 dated December 2, 2013.

The east lagoon was constructed in 2023 in the Phase 1 Expansion Area and has a capacity of 1,005,700 gallons. The lagoon was approved by IDNR in Permit Revision #7 dated December 11, 2023 (Doc #108426).

*Leachate Line Cleaning*

The leachate gravity collection and conveyance lines in the Subtitle D composite lined area are illustrated in the Figure in Appendix I. The leachate lines were cleaned in December, 2024. As per IDNR regulations, the lines should be cleaned every 3 years (next cleaning will be scheduled for 2027).

# Section 5.0 Gas Monitoring

A Summary table for gas monitoring is included as Table 18.

Explosive gas monitoring per 113.9(2) and the approved GMSP was conducted quarterly during the last reporting period (2024). Recorded gas concentrations are below actionable levels.

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

# Section 6.0 Recommendations

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

Based on the Alternate Source Demonstration completed at MW-28 for metals (including cobalt), we recommend continued detection/assessment water quality monitoring at MW-28 for 2026 and beyond. Water Quality at MW-28 should continue to be evaluated, along with the site conditions that justify the Alternate Source of cobalt impact, until the statistical evaluation can be augmented with intrawell statistics (in 2026 when 13 data points are available).

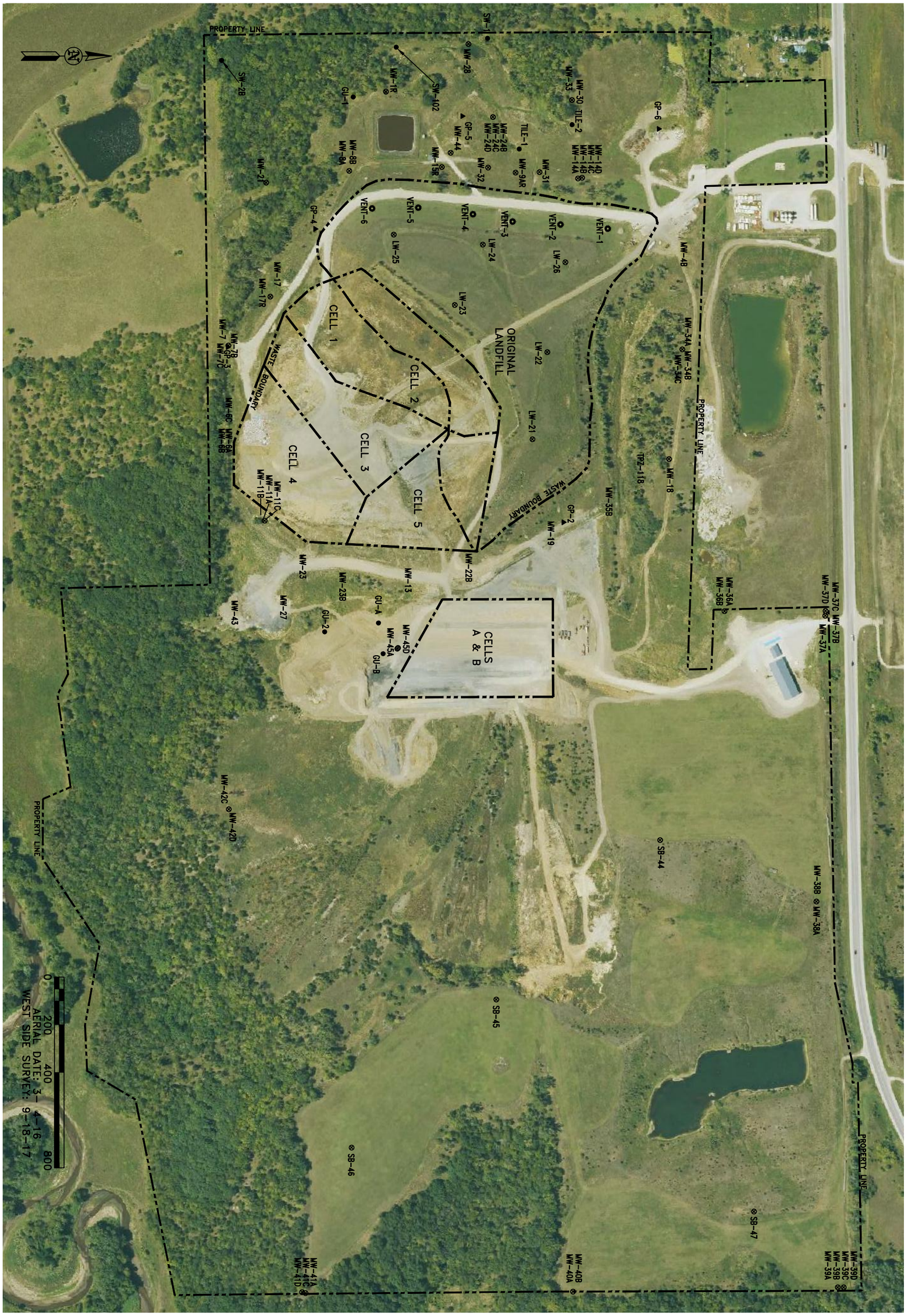
We recommend that MW-9AR remain in the HMSP as a Supplemental Well until the cobalt, cis-1,2-dichloroetylene, and vinyl chloride concentrations diminish. The remedy will be considered complete when vinyl chloride concentrations at Tile 1 and Tile 2 demonstrate compliance with water quality standards for three (3) years (estimated 2030).

We recommend that MW-8B remain in the HMSP as a Supplemental Well, but the remedy be considered complete.

We recommend that MW-15R remain in the HMSP as a Supplemental Well until the arsenic concentrations diminish. The remedy will be considered complete when arsenic concentrations at MW-44 demonstrate compliance with water quality standards for three (3) years (estimated 2026).

Continue to monitor the operation of the leachate extraction equipment in the leachate extraction wells.

# Figures

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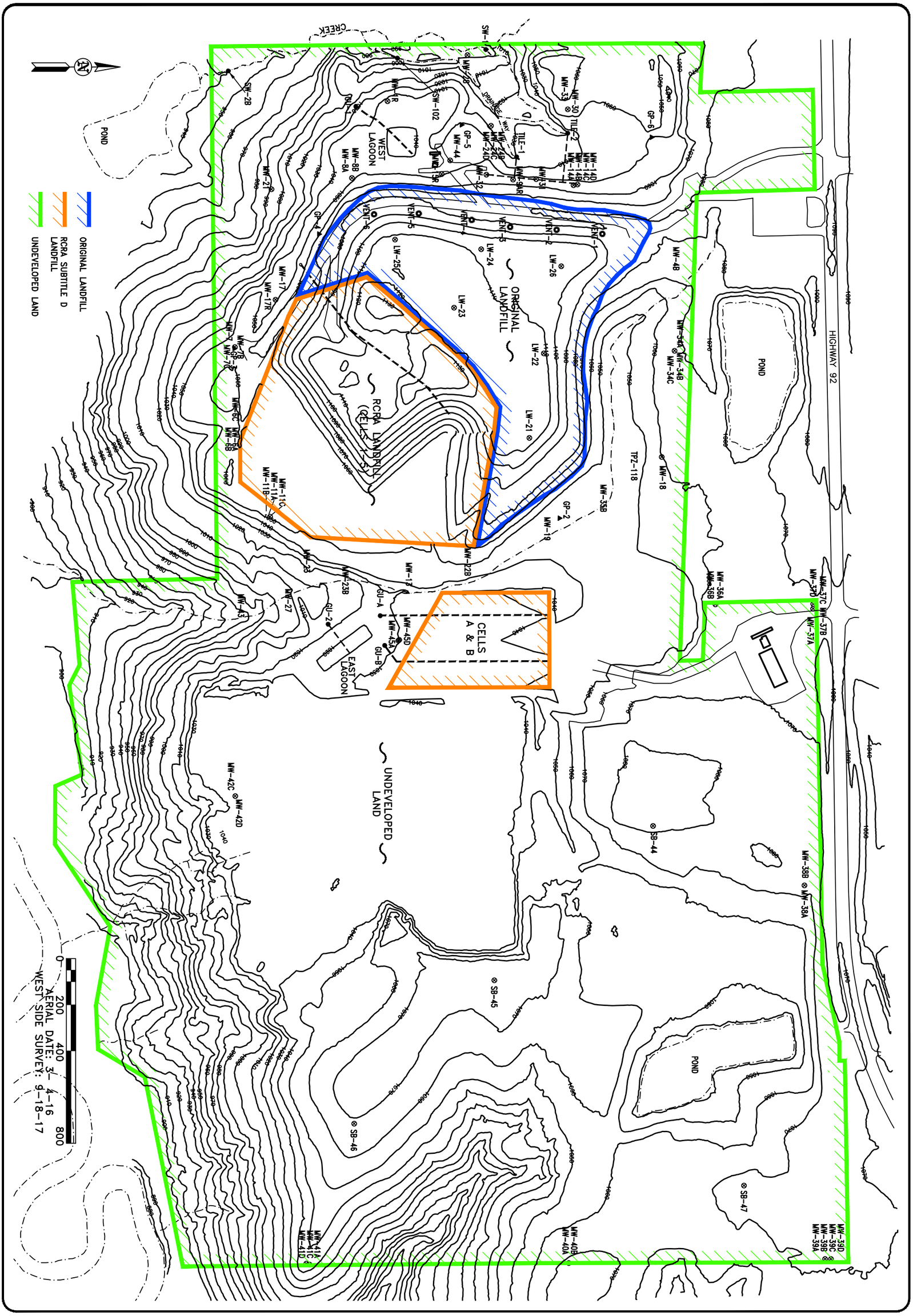
# SITE PLAN – AERIAL

SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

FIGURE: 1

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 12-31-25 |

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# SITE PLAN – TOPO

SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

| FIGURE: | 2 | |
|---|---|---|
| REVISION | NO. | DATE |
| DRAWN DRA | PROJECT NO. 6022 | DATE 1-16-26 |

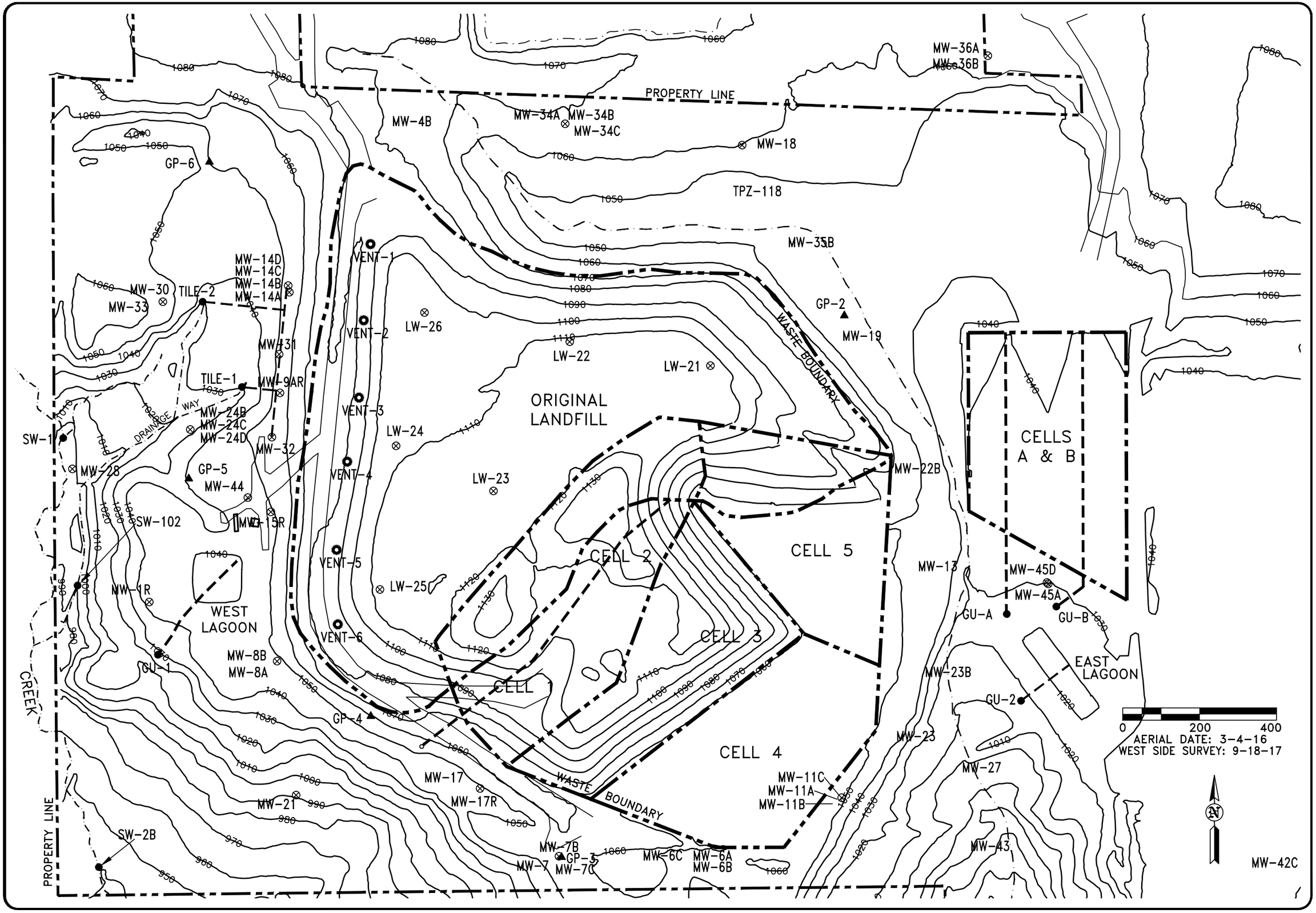


FIGURE: 3

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 1-16-26 |

# SITE PLAN
# AREA OF INTEREST

SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA


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EDGE OF UNCONSOLIDATED FILL

EDGE OF BASAL BETHANY FALLS SHALE

EDGE OF HUSHPUCKNEY SHALE

EDGE OF MIDDLE CREEK LIMESTONE

PROPERTY LINE

MW-36A
MW-36B
MW-4B
MW-34A
MW-34B
MW-34C
MW-18
GP-6
TPZ-118
MW-35B
BEDROCK FORMATIONS BELOW MIDDLE CREEK
MIDDLE CREEK LIMESTONE SURFACE
MW-14D
MW-14C
MW-14B
MW-14A
MW-30
MW-33
TILE-2
LADORE SHALE SURFACE
GP-2
MW-19
LW-26
LW-22
LW-21
WASTE BOUNDARY
TILE-1
ORIGINAL LANDFILL
LW-24
LW-23
MW-22R
CELLS A & B
SW-1
MW-29
MW-32
GP-5
MW-44
SW-02
MW-15R
CELL 2
CELL 5
MIDDLE CREEK LIMESTONE SURFACE
MW-13
MW-45D
MW-45A
GU-A
GU-B
LW-25
MW-9R
CELL 3
MW-8B
MW-8A
GU-1
CELL 1
MW-23B
EDGE OF HERTHA LIMESTONE
GP-4
CELL 4
MW-23
MW-27
MW-17
MW-17R
WASTE BOUNDARY
MW-11C
MW-11A
MW-11B
BEDROCK FORMATIONS BELOW LADORE
MW-43
MW-21
SW-2B
MW-7B
GP-3
MW-7
MW-7C
MW-6C
MW-6A
MW-6B
MW-42C
PROPERTY LINE

0 200 400
AERIAL DATE: 3-4-16
WEST SIDE SURVEY: 9-18-17

N

FIGURE: 4

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 12-31-25 |

# SITE PLAN
# WITH BEDROCK OUTCROPPING
## SOUTH CENTRAL IOWA SANITARY LANDFILL
## WINTERSET, IOWA

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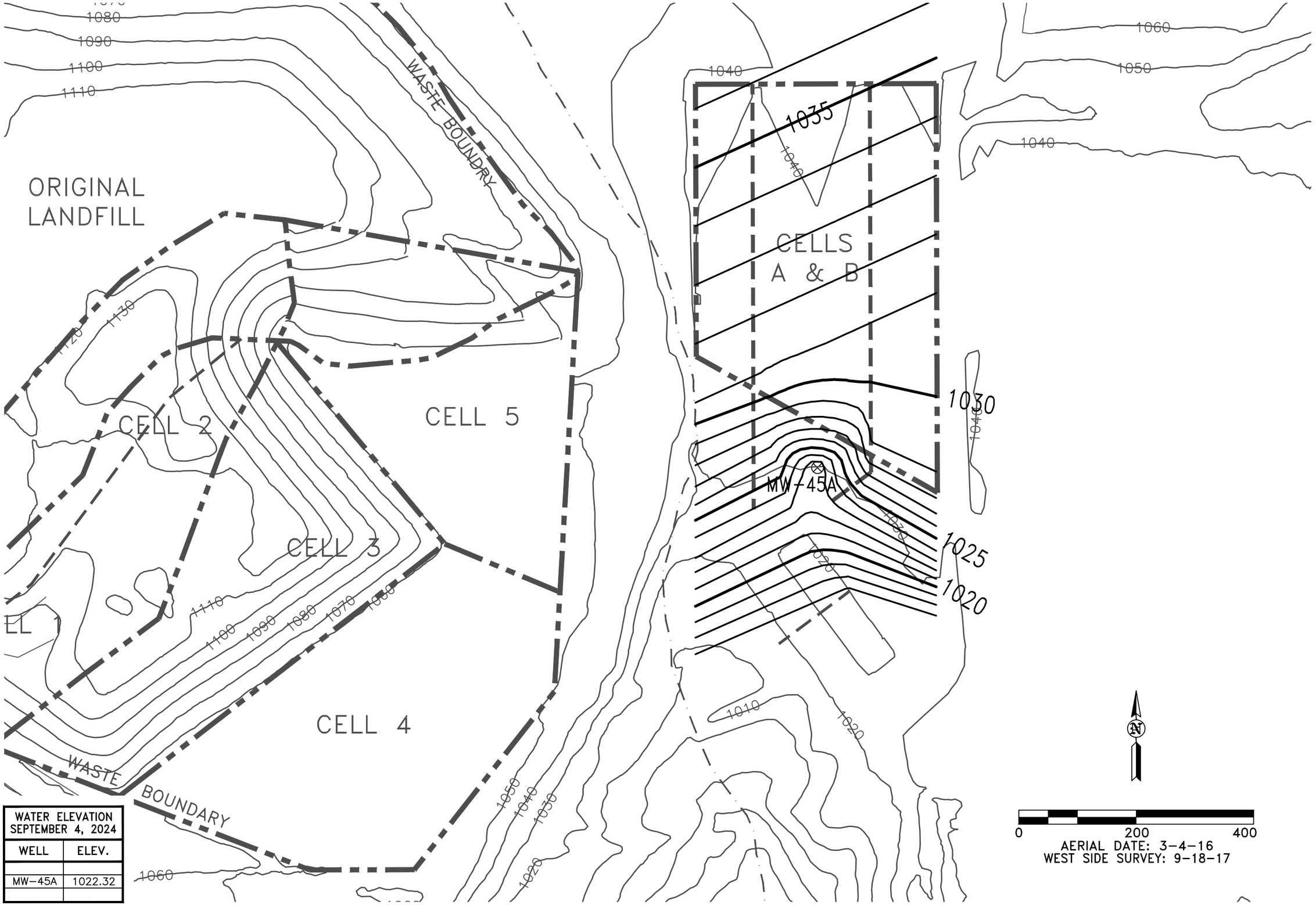


| WATER ELEVATION SEPTEMBER 4, 2024 | |
|---|---|
| WELL | ELEV. |
| | |
| MW-45A | 1022.32 |
| | |

FIGURE: 5

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 12-31-25 |

# GROUNDWATER CONTOURS
# GROUNDWATER SYSTEM #6
# LADORE SHALE

SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

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| WATER ELEVATION, SEPTEMBER 4, 2025 | | | | | |
|---|---|---|---|---|---|
| WELL | ELEV. | WELL | ELEV. | WELL | ELEV. |
| | | | | | |
| MW-1R | <1005.01 | MW-31 | 1030.78 | MW-41A | <1016.31 |
| MW-8B | 1026.16 | MW-32 | 1035.96 | MW-44 | 1042.09 |
| MW-9AR | 1031.91 | MW-34A | 1051.08 | LW-21 | 1047.86 |
| MW-14A | 1037.42 | MW-36A | 1042.91 | LW-22 | 1041.00 |
| MW-15R | 1038.49 | MW-37A | 1051.32 | LW-23 | 1047.98 |
| MW-18 | 1041.40 | MW-38A | 1049.12 | LW-24 | 1040.03 |
| MW-21 | 968.45 | MW-39A | 1044.80 | LW-25 | 1057.61 |
| MW-30 | 1030.13 | MW-40A | 1043.02 | LW-26 | 1050.50 |
| | | | | | |

TABLE NOTE:
1. MW-1R AND MW-41A ELEVATIONS ARE THE BOTTOMS OF DRY WELLS.

0 200 400 800

AERIAL DATE: 3- 4-16
WEST SIDE SURVEY: 9-18-17

FIGURE: 6

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 12-31-25 |

# GROUNDWATER CONTOURS UNCONSOLIDATED SYSTEM #1 TILL/FILL

SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

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NOTES:
1. ALL CONCENTRATIONS IN ug/L.
2. FOR TESTED WELLS:
   <1 NON-DETECTED
   1.2 DETECTED
3. NT = NOT TESTED
4. KEY: <1 / 1.2 3/11/25 RESULT
   <1 / 1.2 9/4/25 RESULT

PROPERTY LINE
MW-34A ⊗ <1 / <1
MW-18 DRY / NT
TILE-2 <1 / 4.2
MW-31 <1 / DRY
TILE-1 <1 / 1.4
MW-9AR <1 / 8.2
LW-26 <1 / <1
SW-1 <1 / DRY
MW-32 <1 / <1
MW-44 <1 / <1
MW-15R <1 / <1
MW-1R DRY / DRY
SW-102 <1 / <1
GU-1 DRY / DRY
MW-8B <1 / <1
MW-21 <1 / <1
SW-2B <1 / <1
MW-6A <1 / <1
MW-45A
GU-A
GU-B
GU-2
ORIGINAL LANDFILL
WASTE BOUNDRY
CELL 1
CELL 2
CELL 3
CELL 4
CELL 5
CELLS A & B
DRAINAGE WAY
CREEK
PROPERTY LINE
WASTE BOUNDARY
0 200 400
AERIAL DATE: 3-4-16
WEST SIDE SURVEY: 9-18-17
N

FIGURE: 7

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 12-31-25 |

CONCENTRATION SUMMARY
UNCONSOLIDATED SYSTEM #1
VINYL CHLORIDE
SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

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NOTES:
1. ALL CONCENTRATIONS IN ug/L.
2. FOR TESTED WELLS:
   <1 NON-DETECTED
   1.2 DETECTED
3. NT = NOT TESTED
4. KEY: <1 3/11/25 RESULT
   1.2 9/4/25 RESULT

PROPERTY LINE
MW-34A ⊗ <1 / <1
MW-18 NT / NT
TILE-2 1.1 / 4.1
MW-31 <1 / DRY
LW-26 <1 / <1
TILE-1 <1 / <1
MW-9AR 56.4 / 34.5
SW-1 <1 / DRY
MW-32 <1 / <1
MW-44 <1 / <1
MW-15R <1 / <1
MW-1R DRY / DRY
SW-102 <1 / <1
GU-1 DRY / DRY
MW-8B <1 / <1
MW-21 <1 / <1
SW-2B <1 / <1
MW-6A <1 / <1
MW-45A
GU-A
GU-B
GU-2
ORIGINAL LANDFILL
WASTE BOUNDRY
CELL 1
CELL 2
CELL 3
CELL 4
CELL 5
CELLS A & B
DRAINAGE WAY
CREEK
PROPERTY LINE
WASTE BOUNDARY
0 200 400
AERIAL DATE: 3-4-16
WEST SIDE SURVEY: 9-18-17

FIGURE: 8

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 12-31-25 |

# CONCENTRATION SUMMARY
# UNCONSOLIDATED SYSTEM #1
# CIS-1,2 DICHLOROETHANE
SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

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NOTES:
1. ALL CONCENTRATIONS IN ug/L.
2. FOR TESTED WELLS:
   - <0.4 COBALT DETECTED BELOW THE PREDICTION LIMIT
   - 1.2 COBALT DETECTED ABOVE THE PREDICTION LIMIT
3. NT = NOT TESTED
4. KEY: <0.4 3/11/25 RESULT; 1.2 9/4/25 RESULT
5. FALL 2025 PREDICTION LIMIT FOR COBALT IS 5.0934 ug/L

PROPERTY LINE
MW-34A ⊗ 4.0 / <0.5
MW-18 0.4 / 4.0
TILE-2 0.6 / 1.6
TILE-1 2.1 / 3.3
MW-9AR 0.4 / 1.0
LW-26 14.3 / 10.7
ORIGINAL LANDFILL
WASTE BOUNDRY
CELLS A & B
CELL 1
CELL 2
CELL 3
CELL 4
CELL 5
0.6 / 0.5 MW-44
MW-15R 1.2 / 1.2
MW-1R DRY / DRY
GU-1 DRY / DRY
MW-8B 11.9 / 10.7
MW-21 <0.4 / <0.5
6.8 / 0.5 MW-6A
MW-11C <0.4 / <0.5
MW-45A
GU-A
GU-B
GU-2
DRAINAGE WAY
CREEK
PROPERTY LINE
0 200 400
AERIAL DATE: 3-4-16
WEST SIDE SURVEY: 9-18-17
N

FIGURE: 9

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 12-31-25 |

CONCENTRATION SUMMARY
UNCONSOLIDATED SYSTEM #1
COBALT
SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

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NOTES:

1. ALL CONCENTRATIONS IN ug/L.
2. FOR TESTED WELLS:
   - <0.4 ARSENIC DETECTED BELOW THE PREDICTION LIMIT
   - 1.2 ARESNIC DETECTED ABOVE THE PREDICTION LIMIT
3. NT = NOT TESTED
4. KEY: <0.4 3/11/25 RESULT; 1.2 9/4/25 RESULT
5. FALL 2025 PREDICTION LIMIT FOR ARESNIC IS 46.0382 ug/L

PROPERTY LINE

MW-34A ⊗ 13.8 / 4.7

MW-18 <4 / 2.2

TILE-2 <4 / 2.2

TILE-1 <4 / 10.2

MW-9AR <4 / <2

MW-32 <4 / <2

MW-44 <4 / <2

MW-15R 71.5 / 77.3

MW-1R DRY / DRY

GU-1 DRY / DRY

MW-8B 14.4 / 18.1

MW-21 <4 / <2

LW-26 NT / NT

ORIGINAL LANDFILL

WASTE BOUNDRY

CELL 1

CELL 2

CELL 3

CELL 4

CELL 5

CELLS A & B

MW-45A

GU-A

GU-B

GU-2

MW-11C <4 / <2

MW-6A <4 / <2

DRAINAGE

CREEK

PROPERTY LINE

0 200 400

AERIAL DATE: 3-4-16
WEST SIDE SURVEY: 9-18-17

FIGURE: 10

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 12-31-25 |

CONCENTRATION SUMMARY
UNCONSOLIDATED SYSTEM #1
ARSENIC

SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

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| WATER ELEVATION, SEPTEMBER 4, 2025 | | | |
|---|---|---|---|
| WELL | ELEV. | WELL | ELEV. |
| | | | |
| MW-7B | 1013.58 | MW-37D | <993.51 |
| MW-11C | 1012.43 | MW-39D | 1019.34 |
| MW-14D | 1002.07 | MW-41D | 991.70 |
| MW-17R | 1012.52 | MW-42D | 1000.89 |
| MW-24D | 1008.38 | MW-45D | 1010.98 |
| MW-28 | 995.31 | | |

TABLE NOTE:
1. MW-37D ELEVATION IS THE BOTTOM OF A DRY WELL.

# GROUNDWATER CONTOURS
# GROUNDWATER SYSTEM #4
# EXLINE LIMESTONE

SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

| FIGURE: 11 | NO. | DATE |
|---|---|---|
| REVISION | PROJECT NO. 6022 | DATE 12-31-25 |
| DRAWN DRA | | |

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NOTES:
1. ALL CONCENTRATIONS IN ug/L.
2. FOR TESTED WELLS:
   <1 NON-DETECTED
   1.2 DETECTED
3. NT = NOT TESTED
4. KEY: <1 3/11/25 RESULT
   1.2 9/4/25 RESULT

MW-14D
<1
<1

MW-28
<1
<1

MW-17R
<1
<1

MW-11C
<1
<1

MW-45D
<1
<1

PROPERTY LINE

ORIGINAL LANDFILL

WASTE BOUNDRY

CELL 1

CELL 2

CELL 3

CELL 4

CELL 5

CELLS A & B

DRAINAGE WAY

CREEK

WASTE BOUNDARY

PROPERTY LINE

0 200 400

AERIAL DATE: 3-4-16
WEST SIDE SURVEY: 9-18-17

N

FIGURE: 12

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 12-31-25 |

# VINYL CHLORIDE IMPACT GROUNDWATER SYSTEM #4 EXLINE LIMESTONE

SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

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

HLW Engineering Group

NOTES:
1. ALL CONCENTRATIONS IN ug/L.
2. FOR TESTED WELLS:
   <1 NON-DETECTED
   1.2 DETECTED
3. NT = NOT TESTED
4. KEY: <1 3/11/25 RESULT
   1.2 9/4/25 RESULT

MW-14D
<1
<1

MW-28
4.9
3.4

MW-17R
<1
<1

MW-11C
<1
<1

MW-45D
<1
<1

PROPERTY LINE

ORIGINAL LANDFILL

WASTE BOUNDRY

CELL 1

CELL 2

CELL 3

CELL 4

CELL 5

CELLS A & B

DRAINAGE WAY

CREEK

WASTE BOUNDARY

0 200 400

AERIAL DATE: 3-4-16
WEST SIDE SURVEY: 9-18-17

FIGURE: 13

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 12-31-25 |

CIS-1,2 DICHLOROETHANE
GROUNDWATER SYSTEM #4
EXLINE LIMESTONE
SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

HLW Engineering Group
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Story City, Iowa 50248
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FAX: (515) 733-4146

HLW Engineering Group

NOTES:

1. ALL CONCENTRATIONS IN ug/L.
2. FOR TESTED WELLS:
   - <0.4 COBALT DETECTED BELOW THE PREDICTION LIMIT
   - 1.2 COBALT DETECTED ABOVE THE PREDICTION LIMIT
3. NT = NOT TESTED
4. KEY: <0.4 3/11/25 RESULT; 1.2 9/4/25 RESULT
5. FALL 2025 PREDICTION LIMIT FOR COBALT IS 5.4 ug/L

PROPERTY LINE

WASTE BOUNDRY

ORIGINAL LANDFILL

CELL 1

CELL 2

CELL 3

CELL 4

CELL 5

CELLS A & B

DRAINAGE WAY

CREEK

PROPERTY LINE

WASTE BOUNDARY

MW-14D
2.6
<0.5

MW-28
59.0
17.2

MW-17R
1.9
1.6

MW-11C
<0.4
<0.5

MW-45D
1.11
<0.5

0 200 400

AERIAL DATE: 3-4-16
WEST SIDE SURVEY: 9-18-17

N

FIGURE: 14

| REVISION | NO. | DATE |
|---|---|---|
| DRAWN DRA | PROJECT NO. 6022 | DATE 12-31-25 |

# COBALT IMPACT GROUNDWATER SYSTEM #4 EXLINE LIMESTONE

SOUTH CENTRAL IOWA SANITARY LANDFILL
WINTERSET, IOWA

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HLW Engineering Group

# Tables
# (in IDNR Format)

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Table 1 – Monitoring Program Summary

**Table 1**
**Monitoring Program Summary**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Monitoring Well | Formation | Current Monitoring Program | Change for next sampling event | Historically detected Constituents w/ SSI | Current Year Constituents w/ SSI | Current Year Constituents w/ SSL | Total # of Samples in each monitoring program since September 23, 2014 | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Detection | Assessment | Corrective Action |
| Glacial Till/Mining Spoils | | | | | | | | | |
| MW-34A | Glacial Till, Fm. #1 | Background | NC | None | None | None | 2 | 0 | 0 |
| MW-18 | Glacial Till/Mining Spoils, Fm. #1 | Background | NC | None | None | None | 25 | 0 | 0 |
| MW-38A | Glacial Till/Mining Spoils, Fm. #1 | Background | NC | Typically Dry | Typically Dry | Typically Dry | 0 | 0 | 0 |
| GU-1 | Glacial Till/Mining Spoils, Fm. #1 | Detection - West Lagoon | NC | None | None | None | 0 | 0 | 0 |
| **GU-2** | Glacial Till/Mining Spoils, Fm. #1 | Detection -East Lagoon | NC | 2026 Evaluation - intrawell | 2026 Evaluation - intrawell | 2026 Evaluation - intrawell | 8 | 0 | 0 |
| **GU-A** | Glacial Till/Mining Spoils, Fm. #1 | Detection - Detection Cell A | NC | 2026 Evaluation - intrawell | 2026 Evaluation - intrawell | 2026 Evaluation - intrawell | 7 | 0 | 0 |
| **GU-B** | Glacial Till/Mining Spoils, Fm. #1 | Detection - Detection Cell B | NC | 2026 Evaluation - intrawell | 2026 Evaluation - intrawell | 2026 Evaluation - intrawell | 8 | 0 | 0 |
| MW-1R | Glacial Till/Mining Spoils, Fm. #1 | Detection - POC | NC | Typically Dry | Typically Dry | Typically Dry | 0 | 0 | 0 |
| MW-6A | Bethany Falls - Fm. #1 | Assessment - POC | NC | **Antimony, Cobalt, Nickel, Selenium** | **Cobalt** | None | 0 | 20 | 0 |
| MW-8B (Supplemental) | Glacial Till/Mining Spoils, Fm. #1 | Corrective Action - Supplemental | NC | **N/A** | **N/A** | **N/A** | 0 | 0 | 22 |
| MW-21 (AZPOC) | Glacial Till/Mining Spoils, Fm. #1 | Detection - AZPOC | NC | None | None | None | 24 | 0 | 0 |
| MW-9AR (Supplemental) | Glacial Till/Mining Spoils, Fm. #1 | Corrective Action - Supplemental | NC | **N/A** | **N/A** | **N/A** | 0 | 0 | 17 |
| Tile 1 (AZPOC) | Glacial Till/Mining Spoils, Fm. #1 | Corrective Action - AZPOC | NC | **Barium, Cobalt, Nickel, 1,4-dichlorobenzene, benzene, chlorobenzene, cis-1,2-DCE, vinyl chloride** | **Barium, 1,4-dichlorobenzene, benzene, chlorobenzene, cis-1,2-DCE, vinyl chloride** | None | 0 | 0 | 20 |
| Tile 2 (AZPOC) | Glacial Till/Mining Spoils, Fm. #1 | Corrective Action - AZPOC | NC | **Barium, Cobalt, 1,4-dichlorobenzene, chlorobenzene, cis-1,2-DCE, vinyl chloride** | **chlorobenzene, cis-1,2-DCE, vinyl chloride** | vinyl chloride treated in PECS. | 0 | 0 | 15 |
| MW-15R (Supplemental) | Glacial Till/Mining Spoils, Fm. #1 | Corrective Action - Supplemental | NC | **N/A** | **N/A** | **N/A** | 0 | 0 | 13 |
| MW-44 (AZPOC) | Glacial Till/Mining Spoils, Fm. #1 | Assessment - AZPOC | NC | **Barium, bis(2-ethylhexyl)phthalate** | **Barium** | None | 6 | 0 | 0 |
| **MW-45A** | Glacial Till/Mining Spoils, Fm. #1 | Detection - POC | NC | 2027 Evaluation - intrawell | 2027 Evaluation - intrawell | 2027 Evaluation - intrawell | 5 | 0 | 0 |
| Exline | | | | | | | | | |
| MW-11C | Exline, Fm. #4 | Background | NC | None | None | None | 19 | 0 | 0 |
| MW-39D | Exline, Fm. #4 | Background | NC | None | None | None | 12 | 0 | 0 |
| MW-41D | Exline, Fm. #4 | Background | NC | None | None | None | 12 | 0 | 0 |
| MW-42D | Exline, Fm. #4 | Background | NC | None | None | None | 12 | 0 | 0 |
| **MW-45D** | Exline, Fm. #4 | Detection - POC | NC | 2027 Evaluation - intrawell | 2027 Evaluation - intrawell | 2027 Evaluation - intrawell | 5 | 0 | 0 |
| MW-14D | Exline, Fm. #4 | Assessment - POC | NC | **Antimony, Cobalt, Selenium, cis-1,2-DCE** | None | None | 0 | 5 | 14 |
| MW-17R | Exline, Fm. #4 | Assessment - POC | NC | **Barium, Cobalt, Nickel, cis-1,2-DCE, trans-1,2-DCE** | **Barium, Nickel** | None | 0 | 21 | 0 |
| MW-28 | Exline, Fm. #4 | Assessment - AZPOC* | NC | **Arsenic, Barium, Cobalt, Nickel, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, vinyl chloride** | **Arsenic, Barium, Cobalt, Nickel, cis-1,2-dichloroethylene** | **Cobalt*** | 0 | 13 | 0 |
| Surface Water | | | | | | | | | |
| SW-1 | Surface Water, Fm. #5 | Background | NC | None | None | None | 17 | 0 | 0 |
| SW-2B | Surface Water, Fm. #5 | Detection | NC | None | None | None | 20 | 0 | 0 |
| Corrective Action | | | | | | | | | |
| MW-31 | Glacial Till/Mining Spoils, Fm. #1 | CAMP | NC | N/A | N/A | N/A | 0 | 0 | 15 |
| MW-32 | Glacial Till/Mining Spoils, Fm. #1 | CAMP | NC | N/A | N/A | N/A | 0 | 0 | 16 |
| LW-26 | Landfill Leachate | CAMP | NC | N/A | N/A | N/A | 0 | 0 | 15 |
| Vents 1-6 | LEL% | CAMP | NC | N/A | N/A | N/A | 0 | 0 | 27 |
| Passively Engineered Conveyance Structure | | | | | | | | | |
| SW-102 | PECS | Performance | NC | N/A | N/A | N/A | 0 | 0 | 20 |

* Alternate Source is determined for for metals SSI & SSL

Corrective Action System

**Red Text** = new monitoring point associated with the Phase 1, Cell A and Cell B Expansion Area

Table 2 – Monitoring Program Implementation Schedule

**Table 2**
**Monitoring Program Implementation Schedule**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Monitoring Well | Recent Sampling Dates & Constituents | Upcoming Sampling Dates and Constituents | | | | Full Appendix II Sample Dates | |
|---|---|---|---|---|---|---|---|
| | | March, 2026 | June, 2026 | September, 2026 | December, 2026 | Previously Collected | Next Event |
| Glacial Till/Mining Spoils | | | | | | | |
| MW-34A | | Appendix I | | Appendix I | | | |
| MW-18 | | Appendix I | | Appendix I | | | |
| MW-38A | | Appendix I | | Appendix I | | | |
| GU-1 | **See following pages** | Appendix I | | Appendix I | | | |
| **GU-2** | | Appendix I | | Appendix I | | | |
| **GU-A** | | Appendix I | | Appendix I | | | |
| **GU-B** | | Appendix I | | Appendix I | | | |
| MW-1R | | Appendix I | | Appendix I | | | |
| MW-6A | | Appendix I | | Appendix I | | 3/26/2019, 3/24/2020, 3/10/2025 | 2030 |
| MW-8B (Supplemental) | | Appendix I + Note 3 | | Appendix I | | 1/27/2010, 3/19/2010, 3/4/2016 | N/A |
| MW-21 (AZPOC) | | Appendix I | | Appendix I | | | |
| MW-9AR (Supplemental) | | Appendix I + Note 3 | | Appendix I | | 6/8/2009, 10/23/2009, 9/14/2010, 3/4/2016 | N/A |
| Tile 1 (AZPOC) | | Appendix I | | Appendix I | | 3/8/2021, 3/28/2022 | N/A |
| Tile 2 (AZPOC) | | Appendix I | | Appendix I | | 3/8/2021, 3/28/2022 | N/A |
| MW-15R (Supplemental) | | Appendix I + Note 3 | | Appendix I | | 3/9/2017, 3/13/2018 | N/A |
| MW-44 (AZPOC) | | Appendix I | | Appendix I | | 3/6/2024, 3/10/2025 | 2030 |
| **MW-45A** | | Appendix I | | Appendix I | | | |
| | | | | | | | |
| Exline | | | | | | | |
| MW-11C | | Appendix I | | Appendix I | | | |
| MW-39D | | Appendix I Metals | | Appendix I Metals | | | |
| MW-41D | | Appendix I Metals | | Appendix I Metals | | | |
| MW-42D | | Appendix I Metals | | Appendix I Metals | | | |
| **MW-45D** | | Appendix I | | Appendix I | | | |
| MW-14D | | Appendix I | | Appendix I | | 9/14/2017, 3/13/2018, 3/6/2024 | 2029 |
| MW-17R | | Appendix I | | Appendix I | | 3/4/2016, 3/9/2017, 3/28/2022 | 2027 |
| MW-28 | | Appendix I | | Appendix I | | 3/8/2021, 3/28/2022 | 2027 |
| | | | | | | | |
| Surface Water | | | | | | | |
| SW-1 | | Appendix I - VOC | | Appendix I - VOC | | | |
| SW-2B | | Appendix I - VOC | | Appendix I - VOC | | | |
| | | | | | | | |
| Corrective Action | | | | | | | |
| MW-31 (spoils) | | Appendix I - VOC | | None | | N/A | N/A |
| MW-32 (spoils) | | Appendix I - VOC + arsenic | | None | | N/A | N/A |
| LW-26 | | Appendix I - VOC + Note 2 + Note 3 | | None | | N/A | N/A |
| Vents 1-6 | | %LEL | %LEL | %LEL | %LEL | N/A | N/A |
| | | | | | | | |
| Passive Engineered Conveyance Structure (PECS) | | | | | | | |
| SW-102 | | Appendix I - VOC | | Appendix I - VOC | | N/A | N/A |
| | | | | | | | |
| QA/QC | | | | | | | |
| Blind Duplicate | | Appendix I | | Appendix I | | N/A | N/A |
| | | | | | | | |

Note 1 = bis(2-ethylhexyl)phthalate
Note 2 = Arsenic (total), Cobalt (total), ammonia (N), sulfate, chloride, TDS, BOD5
Note 3 = dissolved methane, ethane, ehene **and alkalinity and pH**

Key
Red Text = Monitoring Point related to Phase 1, Cell A and Cell B by Intrawell methods

Table 2A – Summary of Monitoring to Date

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

| WELL | 3/24/08 | 5/30/08 | 7/17/08 | 9/11/08 | 12/20/08 |
|---|---|---|---|---|---|
| MW-4A(b) | Appendix I | Appendix I | Appendix I | Appendix I | Appendix I |
| MW-18 (b) | | | | | |
| MW-19 | | | | | |
| MW-14 | | | | | |
| MW-9A | Appendix I | Appendix I | Appendix I | Appendix I | Appendix I |
| MW-15 | | | | | |
| MW-8B | | Appendix I | Appendix I | Appendix I | Appendix I |
| MW-16 | | | | | |
| MW-17 | | | | | |
| SW-1 | | | | Appendix I | Appendix I |
| SW-2A-1 | Appendix I | Appendix I | Appendix I | Appendix I | Appendix I |
| SW-2A-2 | | | Appendix I | Appendix I | Appendix I |
| SW-2B | | | Appendix I | Appendix I | Appendix I |
| Duplicate | N/A | N/A | N/A | At MW-9A | At MW-9A |

| WELL | 4/22/09 | 6/8/09 | 8/13/09 | 10/30/09 | 1/27/10 | 3/19/10 |
|---|---|---|---|---|---|---|
| MW-4A(b) | Appendix I | Appendix I | | Appendix I | | Appendix I |
| MW-18 (b) | | | | Appendix I | Appendix I | Appendix I |
| MW-19 | | | | Appendix I | Appendix I | Appendix I |
| MW-14 | | | | Appendix I | **Appendix II** | **Appendix II** |
| MW-9A | Appendix I | **Appendix II** | | **Appendix II** | | Appendix I |
| MW-15 | | | Appendix I | Appendix I | **Appendix II** | **Appendix II** |
| MW-8B | Appendix I | | | Appendix I | **Appendix II** | **Appendix II** |
| MW-16 | | | | Dry | | Dry |
| MW-17 | | Appendix I | Appendix I | Appendix I | | Appendix I |
| SW-1 | Appendix I | Appendix I | Appendix I | Appendix I | | Appendix I |
| SW-2A-1 | Appendix I | **Appendix II** | | **Appendix II** | | Appendix I |
| SW-2A-2 | Appendix I | | | Appendix I | | Appendix I |
| SW-2B | Appendix I | Appendix I | Appendix I | Appendix I | Appendix I | Appendix I |
| Duplicate | At SW-2A-2 | At MW-17 | N/A | At MW-4A | N/A | At SW-2A-2 |

| WELL | 6/17/10 | 9/14/10 | 3/4/11 | 4/29/11 | 9/26/11 |
|---|---|---|---|---|---|
| MW-4A(b) | | Appendix I | Appendix I | | Appendix I |
| MW-18 (b) | Appendix I | Appendix I | Appendix I | | Appendix I |
| MW-19 | Appendix I | **Appendix II** | **Appendix II** | cobalt | Appendix I |
| MW-14 | Appendix I | Appendix I | Appendix I | cobalt | Appendix I |
| MW-9A | | **Appendix II** | **Appendix I+** | | **Appendix I+** |
| MW-15 | Appendix I | Appendix I | Appendix I | | Appendix I |
| MW-8B | | Appendix I | Dry | | Dry |
| MW-16 | | Dry | Dry | | Dry |
| MW-17 | **Appendix II** | **Appendix II** | Appendix I | | Appendix I |
| SW-1 | | Appendix I | Appendix I | | Appendix I |
| SW-2A-1 | | **Appendix II** | Appendix I | | Appendix I |
| SW-2A-2 | | Appendix I | **Appendix II** | | **Appendix II** |
| SW-2B | | Appendix I | Appendix I | | Appendix I |
| Duplicate | At MW-15 | At MW-1 | At SW-2A-2 | | At MW-14 |

| WELL | **3/13/12** | **6/27/12** | **9/19/12** | **3/25/13** | **5/8/13** |
|---|---|---|---|---|---|
| MW-4A(b) | Appendix I | | Appendix I | Appendix I | |
| MW-18 (b) | Appendix I | | Appendix I | Appendix I | |
| MW-19 | Appendix I | | Appendix I | Appendix I | |
| MW-14 | Appendix I | | Appendix I | Appendix I | |
| MW-9A | Appendix I+ | | Appendix I+ | Appendix I+ | |
| MW-15 | Appendix I | | Appendix I | Appendix I | |
| MW-8B | Dry | | Dry | Dry | |
| MW-16 | Dry | | Removed | Removed | |
| MW-17 | Appendix I | | Appendix I | Appendix I | |
| MW-20 | Appendix I- | | Appendix I- | Appendix I- | Appendix I- |
| MW-21 | N/A | | Appendix I++ | Appendix I | |
| SW-1 | Appendix I | | Appendix I | Appendix I | |
| SW-2A-2 | Appendix I | Selenium | Appendix I | Appendix I | |
| SW-2A-1 | Appendix I | Selenium | Appendix I | Appendix I | |
| SW-2B | Appendix I | | Appendix I | Appendix I | |
| Duplicate | At MW-14 | | At MW-4A | At MW-17 | |

| WELL | **7/17/13** | **9/19/13** | **3/28/14** | **7/8/14** | **9/23/14** | **12/2/14** |
|---|---|---|---|---|---|---|
| MW-4A(b) | | Appendix I | Appendix I | | Appendix I | Appendix I |
| MW-18 (b) | | Appendix I | Appendix I | | Appendix I | Appendix I |
| MW-19 | | Appendix I | Appendix I | | Appendix I | |
| MW-14 | | Appendix I | Appendix I | | **plugged** | |
| MW-9A | VOC | Appendix I+ | Appendix I+ | | Appendix I+ | |
| MW-15 | | Appendix I | Appendix I | | Appendix I | |
| MW-8B | | Appendix I | Appendix I | | Appendix I | |
| MW-17 | | Appendix I | Appendix I | | Appendix I | |
| MW-20 | VOC | Appendix I- | Appendix I- | | Appendix I- | |
| MW-21 | | Appendix I | Appendix I | | Appendix I | |
| MW-1/1R | | | Broken | | Dry | |
| GU-1 | | | Dry | Dry | Dry | |
| SW-1 | | Dry | Appendix I | | Appendix I | |
| SW-101 | | Dry | Appendix I | Appendix I | Appendix I | |
| SW-102 | | Appendix I | Appendix I | | Appendix I | |
| SW-2B | | Dry | Appendix I | | Appendix I | |
| Duplicate | | At MW-22 | At MW-17 | | At SW-1 | |
| MW-4B | | | | | | Appendix I |
| MW-4C | | | | | | Appendix I |
| MW-33 | | | | | | Appendix I |
| MW-28 | | | | | | VOC |
| MW-24D | | | | | | VOC |
| MW-14D | | | | | | VOC |
| SW-103 | | | | | | VOC |
| Duplicate | | At MW-22 | At MW-17 | | At SW-1 | |

(+) = Appendix I plus bis(2-ethylhexyl)phthalate
(++)=Appendix I plus Appendix I metals, dissolved phase
(VOC) = Appendix I VOC compounds only

| WELL | 3/19/15 | 6/17/15 | 8/27/15 | 10/26/15 | 12/10/15 |
|---|---|---|---|---|---|
| MW-4A(b) | Appendix I | Appendix I | Appendix I | | |
| MW-18 (b) | Appendix I | Appendix I | Appendix I | | |
| MW-6A | Appendix I | | Appendix I | | |
| MW-7B | Appendix I | | Appendix I | | |
| MW-8B | Appendix I | | Appendix I | | |
| MW-9A | Appendix I+ | | Appendix I+ | | |
| MW-15 | Appendix I | | Appendix I | Resample-zn | |
| MW-21 | Appendix I | | Appendix I | | |
| MW-17R | VOC | | VOC | | |
| GU-1 | Dry | | Dry | | |
| | | | | | |
| MW-4C (b) | Appendix I | Appendix I | Appendix I | | |
| MW-19 (b) | Appendix I | Appendix I | Appendix I | | |
| MW-22B (b) | Appendix I | Appendix I | Appendix I | | |
| MW-13 | Appendix I | | Appendix I | | |
| MW-23B | Appendix I | | Appendix I | | |
| MW-11B | Dry | | Dry | | |
| | | | | | |
| SW-1 (b) | Appendix I | | Appendix I | | |
| SW-2B | Appendix I | | Appendix I | | |
| SW-101 | Dry | | Appendix I | Resample-cd & se | |
| SW-102 | Appendix I | | Appendix I | | |
| SW-103 | VOC | | Appendix I | | |
| | | | | | |
| MW-14B | **NT** | | **NT** | | |
| MW-14D | VOC | | VOC | | |
| MW-24A | **NT** | | VOC | | |
| MW-24D | VOC | | VOC | | |
| TMW-25 | **NT** | | **NT** | | |
| TMW-26 | **NT** | | **NT** | | |
| MW-28 | VOC | | VOC | VOC | VOC |
| MW-29 | **NT** | | **NT** | | |
| MW-31 | Appendix I | | **NT** | | |
| MW-32 | Appendix I | | **NT** | | |
| SW-106 | VOC | | VOC | | |
| | | | | | |
| Duplicate | At MW-4A | | At MW-13 | | |

(+) = Appendix I plus bis(2-ethylhexyl)phthalate
(VOC) = Appendix I VOC compounds only

| WELL | 2/11/16 | 3/4/16 | 5/10/16 | 9/20/16 | 11/9/16 |
|---|---|---|---|---|---|
| MW-4A(b) | | Appendix I | | Appendix I | |
| MW-18 (b) | | Appendix I | | Appendix I | |
| MW-6A | | Appendix I | | Appendix I | |
| MW-7B | | Appendix I | | Appendix I | |
| MW-8B | | **Appendix II** | | Appendix I | |
| MW-9A | | **Appendix II** | | Appendix I+ | |
| MW-15 | | Appendix I | Ba-resample | Appendix I | Zn-resample |
| MW-21 | | Appendix I | | Appendix I | |
| MW-17R | | **Appendix II** | | Appendix I | |
| GU-1 | | Dry | | Dry | |
| MW-1R | | Dry | | Dry | |
| | | | | | |
| MW-4C (b) | | Appendix I | | | |
| MW-19 (b) | | Appendix I | | | |
| MW-22B (b) | | Appendix I | | | |
| MW-13 | | Appendix I | | Appendix I | |
| MW-23B | | **Appendix II** | | Appendix I | |
| MW-11B | | Dry | | | |
| | | | | | |
| SW-1 (b) | | Appendix I | | Appendix I | |
| SW-2B | | Appendix I | | Appendix I | |
| SW-101 | | **Appendix II** | | Appendix I | |
| SW-102 | | Appendix I | Se – resample | VOC | |
| SW-103 | | **Appendix II** | VOC | VOC | |
| | | | | | |
| MW-14B | | VOC | | | |
| MW-14D | | VOC | | Appendix I | |
| MW-24A | | VOC | | | |
| MW-24D | | VOC | | VOC | |
| TMW-26 | | VOC | | VOC | |
| MW-28 | VOC | VOC | VOC | VOC | |
| SW-109 | VOC | | VOC | VOC | |
| Tile 1 | | | | VOC | VOC |
| MW-29 | | VOC | | VOC | |
| MW-31 | | VOC | | VOC | |
| MW-32 | | VOC | | VOC | |
| SW-106 | | VOC | VOC | VOC | |
| | | | | | |
| Duplicate | | At MW-28 | | At MW-9A | |

(+) = Appendix I plus bis(2-ethylhexyl)phthalate
(VOC) = Appendix I VOC compounds only

| WELL | 3/9/17 | 6/6/17 | 7/12/17 | 9/14/17 | 12/13/17 |
|---|---|---|---|---|---|
| SW-1 | Appendix I | | | Dry | |
| SW-2B | Appendix I | | | Dry | |
| | | | | | |
| MW-4A | Appendix I | | | Appendix I | |
| MW-18 | Appendix I | | Arsenic | Appendix I | Arsenic |
| GU-1 | Dry | | | Dry | |
| MW-9A/9AR | Appendix I+ | | | **Destroyed** | Appendix I |
| MW-15 | **Appendix II** | Resample | | Appendix I | Resample |
| MW-8B | Appendix I | | | Appendix I | |
| MW-21 | Appendix I | | | Appendix I | |
| MW-6A | Appendix I | | | Appendix I | Resample |
| MW-1R | Dry | | | | |
| | | | | | |
| MW-11C | Appendix I | | | Appendix I | |
| MW-7B | Appendix I | | | Appendix I | |
| MW-14D | Appendix I | | | **Appendix II** | |
| MW-17R | **Appendix II** | | | Appendix I | Resample |
| | | | | | |
| MW-13 | Appendix I | | | Appendix I | |
| MW-23B | Appendix I | | | Appendix I | |
| | | | | | |
| MW-24D | VOC | | | VOC | |
| MW-28 | VOC | | | VOC | |
| SW/Pond-109 | VOC | | | VOC | |
| Tile 1 | VOC | | | VOC | |
| MW-31 | VOC | | | VOC | |
| MW-32 | VOC | | | VOC | |
| SW-101 | **Appendix II** | | | VOC | |
| SW-102 | VOC | | | VOC | |
| SW-103 | VOC | | | VOC | |
| | | | | | |
| Duplicate | At MW-11C | | | At MW-21 | |

(+) = Appendix I plus bis(2-ethylhexyl)phthalate
(VOC) = Appendix I VOC compounds only

| WELL | 3/13/18 | 6/6/18 | 6/11/18 | 9/10/18 | 11/14/18 |
|---|---|---|---|---|---|
| SW-1 | Appendix I | | | Appendix I | |
| SW-2B | Appendix I | | | Appendix I | |
| | | | | | |
| MW-4A | Appendix I | | | Appendix I | |
| MW-18 | Appendix I | | | Appendix I | |
| GU-1 | Dry | | | Dry | |
| MW-9A/9AR | Appendix I | Appendix I | | Appendix I | |
| MW-15 | **Appendix II** | | | **Destroyed** | |
| MW-8B | Appendix I | | | Appendix I | |
| MW-21 | Appendix I | | | Appendix I | |
| MW-6A | Appendix I | | | Appendix I | R – Ni |
| MW-1R | Dry | | | Dry | |
| | | | | | |
| MW-11C | Appendix I | | | Appendix I | |
| MW-7B | Appendix I | | | Appendix I | |
| MW-14D | **Appendix II** | | R – Sb, Se | Appendix I | |
| MW-17R | Appendix I | | | Appendix I | |
| | | | | | |
| MW-13 | Appendix I | | | Appendix I | |
| MW-23B | Appendix I | | | Appendix I | |
| | | | | | |
| MW-24D | VOC | | | VOC | |
| MW-28 | VOC | | | VOC | |
| SW/Pond-109 | VOC | | | VOC | |
| Tile 1 | VOC | | | VOC | |
| Tile 2 | DNE | | | VOC | |
| MW-31 | VOC | | | VOC | |
| MW-32 | VOC | | | VOC | |
| SW-101 | VOC | | | VOC | |
| SW-102 | VOC | | | VOC | |
| SW-103 | VOC | | | Now Tile 2 | |
| | | | | | |
| Duplicate | At MW-6A | | | At MW-21 | |

DNE = Did Not Exist
(R) = Resample
(VOC) = Appendix I VOC compounds only

| WELL | 3/26/19 | 6/5/19 | 9/16/19 | 11/20/2019 | 12/2/2019 |
|---|---|---|---|---|---|
| SW-1 | Appendix I | | Appendix I | (R) cis-1,2-DCE | |
| SW-2B | Appendix I | (R) Se | Appendix I | | |
| | | | | | |
| MW-4A | Appendix I | | Appendix I | | |
| MW-18 | Appendix I | | Appendix I | | |
| MW-8B | Appendix I | | Appendix I | | |
| MW-9AR | Appendix I | | Appendix I | | |
| MW-15R | --- | Appendix I | Appendix I | | (R) Ba |
| MW-21 | Appendix I | | Appendix I | | |
| MW-6A | **Appendix II** | (R) Bis(2EH)P | Appendix I | | |
| GU-1 | Dry | | Dry | | |
| | | | | | |
| MW-11C | Appendix I | | Appendix I | | |
| MW-14D | Appendix I | | Appendix I | | |
| MW-17R | Appendix I | | Appendix I | | |
| | | | | | |
| MW-28 | VOC | | VOC+Se | | |
| MW-31 | VOC | | VOC+Co | | |
| MW-32 | VOC | | VOC+Co | | |
| Tile 1 | VOC | Appendix I | Appendix I | | |
| Tile 2 | VOC | Appendix I | Appendix I | | |
| | | | | | |
| SW-102 | VOC | | VOC | | |
| | | | | | |
| Duplicate | At MW-6A | | A MW-8B | | |

(R) = Resample
(VOC) = Appendix I VOC compounds only

| WELL | 3/24/20 | 4/14/20 | 6/3/20 | 7/20/20 | 9/2/20 | 12/28/20 |
|---|---|---|---|---|---|---|
| Glacial Till/Mining Spoil POC | | | | | | |
| MW-4A | Appendix I | --- | --- | --- | Appendix I | --- |
| MW-18 | Appendix I | --- | --- | --- | Appendix I | --- |
| GU-1 | Dry | --- | --- | --- | Dry | --- |
| MW-1R | Dry | --- | --- | --- | Dry | --- |
| MW-15R | Appendix I | --- | --- | --- | Appendix I | --- |
| MW-6A | **Appendix II** | --- | --- | --- | Appendix I | --- |
| MW-21 | Appendix I | --- | --- | --- | Appendix I | --- |
| Tile 1 | Appendix I | --- | --- | --- | Appendix I | --- |
| Tile 2 | Appendix I | --- | --- | --- | Appendix I | --- |
| Exline Formation POC | | | | | | |
| MW-11C | Appendix I | --- | --- | --- | Appendix I | --- |
| MW-39D | --- | --- | --- | --- | metals | --- |
| MW-41D | --- | --- | --- | --- | metals | --- |
| MW-42D | --- | --- | --- | --- | metals | --- |
| MW-17R | Appendix I | --- | --- | --- | Appendix I | --- |
| MW-28 | Appendix I | --- | --- | --- | Appendix I | --- |
| Supplemental Wells | | | | | | |
| MW-8B | Appendix I + Note 3 | --- | --- | --- | Appendix I + Note 3 | --- |
| MW-9AR | Appendix I + Note 3 | --- | --- | --- | Appendix I + Note 3 | --- |
| MW-14D | Appendix I + Note 3 | --- | --- | Se | Appendix I + Note 3 | --- |
| Surface Water | | | | | | |
| SW-1 | Appendix I | --- | --- | --- | Appendix I | --- |
| SW-2B | Appendix I | --- | Se | --- | Appendix I | --- |
| Corrective Action | | | | | | |
| MW-31 | Dry | --- | --- | --- | VOC | --- |
| MW-32 | VOC | --- | --- | --- | VOC | --- |
| LW-26 | --- | Note 2 | --- | --- | VOC+Note2+Note3 | --- |
| Vents 1-6 | --- | --- | --- | --- | %LEL | %LEL |
| Passive Engineered Conveyance Structure | | | | | | |
| SW-102 | VOC | --- | --- | --- | VOC | --- |
| QA/QC | | | | | | |
| Duplicate | At MW-32 | --- | --- | --- | At MW-8B | --- |

Note 1 – bis(2-ethylhexyl)phthalate
Note 2 – cobalt (T), ammonia (N), sulfate, chloride, TDS, BOD5
Note 3 – dissolved methane, ethane, ethene and alkalinity and pH
(R) = Resample
(VOC) = Appendix I VOC compounds only
(metals) = Appendix I metal compounds only
(%LEL) = % Lower Explosive Limit

| WELL | 3/8/2021 | 6/4/2021 | 9/14/2021 | 12/1/2021 |
|---|---|---|---|---|
| Glacial Till/Mining Spoil POC | | | | |
| MW-4A | Appendix I | --- | Appendix I | --- |
| MW-18 | Appendix I | --- | Appendix I | --- |
| GU-1 | Dry | --- | Dry | --- |
| MW-1R | Dry | --- | Dry | --- |
| MW-15R | Appendix I | --- | Appendix I | --- |
| MW-6A | Appendix I + Note 1 | --- | Appendix I + Note 1 | --- |
| MW-21 | Appendix I | --- | Appendix I | --- |
| Tile 1 | **Appendix II** | --- | Appendix I | --- |
| Tile 2 | **Appendix II** | --- | Appendix I | --- |
| Exline Formation POC | | | | |
| MW-11C | Appendix I | --- | Appendix I | --- |
| MW-39D | metals | --- | metals | --- |
| MW-41D | metals | --- | metals | --- |
| MW-42D | metals | --- | metals | --- |
| MW-17R | Appendix I | --- | Appendix I | --- |
| MW-28 | **Appendix II** | --- | Appendix I | --- |
| Supplemental Wells | | | | |
| MW-8B | Appendix I + Note 3 | --- | Appendix I | --- |
| MW-9AR | Appendix I + Note 3 | --- | Appendix I | --- |
| MW-14D | Appendix I + Note 3 | --- | Appendix I | --- |
| Surface Water | | | | |
| SW-1 | Appendix I | --- | Appendix I | --- |
| SW-2B | Appendix I | --- | Appendix I | --- |
| Corrective Action | | | | |
| MW-31 | VOC | --- | --- | --- |
| MW-32 | VOC | --- | --- | --- |
| LW-26 | VOC+Note2+Note3 | --- | --- | --- |
| Vents 1-6 | %LEL | %LEL | %LEL | %LEL |
| Passive Engineered Conveyance Structure | | | | |
| SW-102 | VOC | --- | VOC | --- |
| QA/QC | | | | |
| Duplicate | At MW-4A | --- | At MW-15R | --- |

Note 1 – bis(2-ethylhexyl)phthalate
Note 2 – cobalt (T), ammonia (N), sulfate, chloride, TDS, BOD5
Note 3 – dissolved methane, ethane, ethene and alkalinity and pH
(R) = Resample
(VOC) = Appendix I VOC compounds only
(metals) = Appendix I metal compounds only
(%LEL) = % Lower Explosive Limit

| WELL | 3/28/2022 | 6/20/2022 | 9/13/2022 | 12/1/2022 |
|---|---|---|---|---|
| Glacial Till/Mining Spoil POC | | | | |
| MW-4A | Broken | --- | Broken | --- |
| MW-18 | Appendix I | --- | Appendix I | --- |
| GU-1 | Dry | --- | Dry | --- |
| MW-1R | Dry | --- | Dry | --- |
| MW-15R | Appendix I | --- | Appendix I | R-As |
| MW-6A | Appendix I + Note 1 | --- | Appendix I | --- |
| MW-21 | Appendix I | --- | Appendix I | --- |
| Tile 1 | **Appendix II** | --- | Appendix I | --- |
| Tile 2 | **Appendix II** | --- | Appendix I | --- |
| Exline Formation POC | | | | |
| MW-11C | Appendix I | --- | Appendix I | --- |
| MW-39D | metals | --- | metals | --- |
| MW-41D | metals | --- | metals | --- |
| MW-42D | metals | --- | metals | --- |
| MW-17R | **Appendix II** | --- | Appendix I + Note 1 | --- |
| MW-28 | **Appendix II** | --- | Appendix I | --- |
| Supplemental Wells | | | | |
| MW-8B | Appendix I + Note 3 | --- | Appendix I | --- |
| MW-9AR | Appendix I + Note 3 | --- | Appendix I | --- |
| MW-14D | Appendix I + Note 3 | --- | Appendix I | --- |
| Surface Water | | | | |
| SW-1 | Appendix I | --- | Dry | --- |
| SW-2B | Appendix I | --- | VOC | --- |
| Corrective Action | | | | |
| MW-31 | VOC | --- | --- | As |
| MW-32 | VOC | --- | --- | --- |
| LW-26 | VOC+Note2+Note3 | --- | --- | --- |
| Vents 1-6 | %LEL | %LEL | %LEL | %LEL |
| Passive Engineered Conveyance Structure | | | | |
| SW-102 | VOC | --- | VOC | --- |
| QA/QC | | | | |
| Duplicate | At MW-41D | --- | At MW-15R | --- |

Note 1 – bis(2-ethylhexyl)phthalate
Note 2 – cobalt (T), ammonia (N), sulfate, chloride, TDS, BOD5
Note 3 – dissolved methane, ethane, ethene and alkalinity and pH
(R) = Resample
(VOC) = Appendix I VOC compounds only
(metals) = Appendix I metal compounds only
(%LEL) = % Lower Explosive Limit

| WELL | 3/23/23 | 5/9/23 | 7/12/23 | 9/5/23 | 11/13/23 | 11/28/23 | 12/6/23 |
|---|---|---|---|---|---|---|---|
| Glacial Till/Mining Spoil POC | | | | | | | |
| MW-4A | Broken | --- | --- | Broken | --- | --- | --- |
| MW-18 | Appendix I | --- | --- | Appendix I | --- | --- | --- |
| MW-38 | --- | --- | --- | Dry | --- | --- | --- |
| GU-1 | Dry | --- | --- | Dry | --- | --- | --- |
| MW-1R | Dry | --- | --- | Dry | --- | --- | --- |
| MW-6A | Appendix I | --- | --- | Appendix I | --- | --- | --- |
| MW-21 | Appendix I | --- | --- | Appendix I | --- | --- | --- |
| MW-44 | DNE | | Appendix I | Appendix I | --- | R- Ba +toluene | --- |
| Tile 1 | Appendix I | --- | --- | Appendix I | --- | --- | --- |
| Tile 2 | Appendix I | --- | --- | Appendix I | --- | --- | --- |
| GU-2 | DNE | DNE | DNE | DNE | metals | --- | metals |
| GU-A | DNE | DNE | DNE | DNE | Dry | --- | metals |
| GU-B | DNE | DNE | DNE | DNE | metals | --- | metals |
| MW-45A | DNE | DNE | DNE | DNE | DNE | DNE | DNE |
| Exline Formation POC | | | | | | | |
| MW-11C | Appendix I | --- | --- | Appendix I | --- | --- | --- |
| MW-39D | metals | --- | --- | metals | --- | --- | --- |
| MW-41D | metals | --- | --- | metals | --- | --- | --- |
| MW-42D | metals | --- | --- | Appendix I | --- | --- | --- |
| MW-14D | Appendix I + Note 3 | --- | --- | Appendix I | --- | R-Co | --- |
| MW-17R | Appendix I | --- | --- | Appendix I | --- | --- | --- |
| MW-45D | DNE | DNE | DNE | DNE | DNE | DNE | DNE |
| MW-28 | Appendix I | --- | --- | Appendix I | --- | --- | --- |
| Supplemental Wells | | | | | | | |
| MW-8B | Appendix I + Note 3 | R-acetone | --- | Appendix I + Note 4 | --- | --- | --- |
| MW-9AR | Appendix I + Note 3 | --- | --- | Appendix I + Note 4 | --- | --- | --- |
| MW-15R | Appendix I + Note 3 | --- | --- | Appendix I + Note 4 | --- | --- | --- |
| Surface Water | | | | | | | |
| SW-1 | Appendix I | --- | --- | Dry | --- | --- | --- |
| SW-2B | Appendix I | --- | --- | Dry | --- | --- | --- |
| Corrective Action | | | | | | | |
| MW-31 | VOC | --- | --- | --- | --- | --- | --- |
| MW-32 | VOC | --- | As | --- | --- | --- | --- |
| LW-26 | VOC+Note2+Note3 | --- | --- | --- | --- | --- | --- |
| Vents 1-6 | %LEL | %LEL | --- | %LEL | --- | --- | %LEL |
| Passive Engineered Conveyance Structure | | | | | | | |
| SW-102 | VOC | --- | --- | Dry | --- | --- | --- |
| QA/QC | | | | | | | |
| Duplicate | At MW-39D | --- | --- | At MW-44 | --- | --- | --- |

Note 1 – bis(2-ethylhexyl)phthalate
Note 2 – arsenic (T), cobalt (T), ammonia (N), sulfate, chloride, TDS, BOD5
Note 3 – dissolved methane, ethane, ethene and alkalinity and pH
Note 4 - alkalinity and pH
(R) = Resample
(VOC) = Appendix I VOC compounds only
(metals) = Appendix I metal compounds only
(%LEL) = % Lower Explosive Limit

| WELL | 1/8/24 | 3/6/24 | 6/3/2024 | 9/18/2024 | 12/9/2024 |
|---|---|---|---|---|---|
| Glacial Till/Mining Spoil POC | | | | | |
| MW-4A | | Broken | --- | Broken | Plugged 10-25-24 |
| MW-18 | | Dry | --- | Appendix I | --- |
| MW-38 | | Dry | --- | Dry | --- |
| GU-1 | | Dry | --- | Dry | --- |
| MW-1R | | Dry | --- | Dry | --- |
| MW-6A | | Dry | --- | Appendix I | --- |
| MW-21 | | Appendix I | --- | Appendix I | --- |
| MW-44 | | **Appendix II** | --- | Appendix I+Note1 | --- |
| Tile 1 | | Appendix I | --- | Appendix I | --- |
| Tile 2 | | Appendix I | --- | Appendix I | --- |
| GU-2 | metals | Appendix I | Appendix I | Appendix I | --- |
| GU-A | metals | Appendix I | Appendix I | Appendix I | --- |
| GU-B | metals | Appendix I | Appendix I | Appendix I | --- |
| MW-45A | | Appendix I | Appendix I | Appendix I | --- |
| Exline Formation POC | | | | | |
| MW-11C | | Appendix I | --- | Appendix I | --- |
| MW-39D | | metals | --- | metals | --- |
| MW-41D | | metals | --- | metals | --- |
| MW-42D | | metals | --- | Appendix I | --- |
| MW-14D | | **Appendix II** | --- | Appendix I+Note1 | --- |
| MW-17R | | Appendix I | --- | Appendix I | --- |
| MW-45D | | Appendix I | Appendix I | Appendix I | R-acetone+As |
| MW-28 | | Appendix I | --- | Appendix I | --- |
| Supplemental Wells | | | | | |
| MW-8B | | Appendix I + Note 4 | --- | Appendix I + Note 3 | --- |
| MW-9AR | | Appendix I + Note 4 | --- | Appendix I + Note 3 | --- |
| MW-15R | | Appendix I + Note 4 | --- | Appendix I + Note 3 | --- |
| Surface Water | | | | | |
| SW-1 | | Dry | --- | Dry | --- |
| SW-2B | | VOC | --- | VOC | --- |
| Corrective Action | | | | | |
| MW-31 | | Dry | --- | VOC | --- |
| MW-32 | | VOC + As | --- | --- | --- |
| LW-26 | | VOC+Note2+Note3 | --- | --- | --- |
| Vents 1-6 | | %LEL | %LEL | %LEL | %LEL |
| Passive Engineered Conveyance Structure | | | | | |
| SW-102 | --- | VOC | --- | VOC | --- |
| QA/QC | | | | | |
| Duplicate | --- | At MW-28 | --- | At MW-41D | --- |

Note 1 – bis(2-ethylhexyl)phthalate
Note 2 – arsenic (T), cobalt (T), ammonia (N), sulfate, chloride, TDS, BOD5
Note 3 – dissolved methane, ethane, ethene and alkalinity and pH
Note 4 - alkalinity and pH
(R) = Resample
(VOC) = Appendix I VOC compounds only
(metals) = Appendix I metal compounds only
(%LEL) = % Lower Explosive Limit

| WELL | 3/10/2025 | 6/2/2025 | 9/4/2025 | 12/20/2025 | |
|---|---|---|---|---|---|
| Glacial Till/Mining Spoil POC | | | | | |
| MW-34A | Appendix I | --- | Appendix I | --- | |
| MW-18 | Appendix I | --- | Appendix I | --- | |
| MW-38 | Dry | --- | Dry | --- | |
| GU-1 | Dry | --- | Dry | --- | |
| MW-1R | Dry | --- | Dry | --- | |
| MW-6A | **Appendix II** | --- | Appendix I | --- | |
| MW-21 | Appendix I | --- | Appendix I | --- | |
| MW-44 | **Appendix II** | --- | Appendix I+Note1 | --- | |
| Tile 1 | Appendix I | --- | Appendix I | --- | |
| Tile 2 | Appendix I | --- | Appendix I | --- | |
| GU-2 | Appendix I | --- | Appendix I | --- | |
| GU-A | Appendix I | --- | Appendix I | --- | |
| GU-B | Appendix I | --- | Appendix I | --- | |
| MW-45A | Appendix I | --- | Appendix I | --- | |
| Exline Formation POC | | | | | |
| MW-11C | Appendix I | --- | Appendix I | --- | |
| MW-39D | metals | --- | metals | --- | |
| MW-41D | metals | --- | metals | --- | |
| MW-42D | metals | --- | metals | --- | |
| MW-14D | Appendix I+Note1 | --- | Appendix I | --- | |
| MW-17R | Appendix I | --- | Appendix I | --- | |
| MW-45D | Appendix I | --- | Appendix I | --- | |
| MW-28 | Appendix I | --- | Appendix I | --- | |
| Supplemental Wells | | | | | |
| MW-8B | Appendix I + Note 3 | --- | Appendix I + Note 3 | --- | |
| MW-9AR | Appendix I + Note 3 | --- | Appendix I + Note 3 | --- | |
| MW-15R | Appendix I + Note 3 | --- | Appendix I + Note 3 | --- | |
| Surface Water | | | | | |
| SW-1 | Dry | --- | Dry | --- | |
| SW-2B | VOC | --- | VOC | --- | |
| Corrective Action | | | | | |
| MW-31 | VOC | --- | Dry | --- | |
| MW-32 | VOC + As + Co | --- | VOC + As + Co | --- | |
| LW-26 | VOC+Note2+Note3 | --- | VOC+Note2+Note3 | --- | |
| Vents 1-6 | %LEL | %LEL | %LEL | %LEL | |
| Passive Engineered Conveyance Structure | | | | | |
| SW-102 | VOC | --- | VOC | --- | |
| QA/QC | | | | | |
| Duplicate | At MW-28 | --- | At MW-39D | --- | |

Note 1 – bis(2-ethylhexyl)phthalate
Note 2 – arsenic (T), cobalt (T), ammonia (N), sulfate, chloride, TDS, BOD5
Note 3 – dissolved methane, ethane, ethene and alkalinity and pH
Note 4 - alkalinity and pH
(R) = Resample
(VOC) = Appendix I VOC compounds only
(metals) = Appendix I metal compounds only
(%LEL) = % Lower Explosive Limit

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

**Table 3**
**Monitoring Well Maintenance and Performance Revaluation Schedule**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Compliance with: | Monitoring Calendar Years | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| 567 IAC 113.10(2)"f"(1) high and low water levels (biennial) | X | X | X | X | X | X | X | X | X | X |
| 567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = biennial) | | X | | X | | X | | X | | X |
| 567 IAC 113.10(2)"f"(3) well depths (annual) | X | X | X | X | X | X | X | X | X | X |
| 567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial) | X | X | X | | X | X | | X | | X |
| Waste separation from ground water 113.6(2)"I" | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

| Compliance with: | Monitoring Calendar Years | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 |
| 567 IAC 113.10(2)"f"(1) high and low water levels (biennial) | X | X | X | X | X | X | X | P | P | P |
| 567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = biennial) | | X | | X | | X | | P | | P |
| 567 IAC 113.10(2)"f"(3) well depths (annual) | X | X | X | X | X | X | X | P | P | P |
| 567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial) | | X | | X | | X | | P | | P |
| Waste separation from ground water 113.6(2)"I" | N/A | N/A | N/A | N/A | N/A | X* | X* | N/A | N/A | N/A |

X = completed
P = Planned

X* - Phase A and Phase B have groundwater piezometers in-place for use in documenting separation in Phase A & B.

Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary

**Table 4**
**Monitoring Well Maintenance and Performance Summary**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Well | Top of casing | Top of Screen | Total Depth | | Date of Measurements | | Maximum Depth | Hydraulic Cond. | Most Recent Recharge Rate | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 3/10/2025 | 9/4/2025 | Discrepancy (ft) | (cm/sec)/date | **3/6/2024** | Change |
| MW-34A | 1072.82 | 1044.62 | 38.2 | Groundwater Level (ft) | 21.6 | 20.66 | 0 | 0.0000319 May, 2020 | NT | |
| | | | | Groundwater Elevation (Ft MSL) | 1051.22 | 1052.16 | | | | |
| | | | | Measured Well Depth (ft) | 38.2 | 38.2 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 6.6 | 7.54 | | | | |
| MW-18 | 1062.45 | 1048.62 | 23.83 | Groundwater Level (ft) | 21.62 | 21.05 | 0.23 | 0.00022 March, 2016 | Full recovery in 3 hour | None perceived |
| | | | | Groundwater Elevation (Ft MSL) | 1040.83 | 1041.4 | | | | |
| | | | | Measured Well Depth (ft) | 23.6 | 23.6 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | -7.79 | -7.22 | | | | |
| MW-9AR | 1057.54 | 1038.59 | 28.95 | Groundwater Level (ft) | 25.61 | 25.63 | 0 | 0.0000417 March, 2016 | Full recovery in 8 hour | None perceived |
| | | | | Groundwater Elevation (Ft MSL) | 1031.93 | 1031.91 | | | | |
| | | | | Measured Well Depth (ft) | 28.95 | 28.95 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | -6.66 | -6.68 | | | | |
| MW-15R | 1051.77 | 1035.67 | 21.6 | Groundwater Level (ft) | 13.62 | 13.28 | 0 | 0.000495 March, 2016 | Full recovery in 2 hour | None perceived |
| | | | | Groundwater Elevation (Ft MSL) | 1038.15 | 1038.49 | | | | |
| | | | | Measured Well Depth (ft) | 21.6 | 21.6 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 2.48 | 2.82 | | | | |
| MW-8B | 1049.46 | 1029.86 | 28.65 | Groundwater Level (ft) | 24.74 | 23.3 | -0.05 | 0.0000207 March, 2016 | Full recovery in 6 hour | None perceived |
| | | | | Groundwater Elevation (Ft MSL) | 1024.72 | 1026.16 | | | | |
| | | | | Measured Well Depth (ft) | 28.7 | 28.7 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | -5.14 | -3.7 | | | | |
| MW-21 | 993.9 | 961.8 | 42.1 | Groundwater Level (ft) | 27.22 | 25.45 | 0.4 | 0.00573 March, 2016 | Full recovery in 5 hour | None perceived |
| | | | | Groundwater Elevation (Ft MSL) | 966.68 | 968.45 | | | | |
| | | | | Measured Well Depth (ft) | 41.7 | 41.7 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 4.88 | 6.65 | | | | |
| MW-6A | 1055.48 | 1043.05 | 15.43 | Groundwater Level (ft) | 11.7 | 11.2 | -0.32 | 0.0000196 March, 2016 | Too Dry | None perceived |
| | | | | Groundwater Elevation (Ft MSL) | 1043.78 | 1044.28 | | | | |
| | | | | Measured Well Depth (ft) | 15.75 | 15.75 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 0.73 | 1.23 | | | | |
| MW-38A | 1075.92 | 1053.67 | 27.25 | Groundwater Level (ft) | 26.75 | 26.8 | 0.35 | pending 2025 too dry | Too Dry | None perceived |
| | | | | Groundwater Elevation (Ft MSL) | 1049.17 | 1049.12 | | | | |
| | | | | Measured Well Depth (ft) | 26.9 | 26.9 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | -4.5 | -4.55 | | | | |
| MW-44 | 1051.13 | 1037.71 | 18.4 | Groundwater Level (ft) | 8.53 | 9.24 | 0 | high March, 2024 | No Drawdown | None perceived |
| | | | | Groundwater Elevation (Ft MSL) | 1042.6 | 1041.89 | | | | |
| | | | | Measured Well Depth (ft) | 18.4 | 18.4 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 4.89 | 4.18 | | | | |
| MW-45A | 1033.1 | 1022.5 | 13.6 | Groundwater Level (ft) | 10.22 | 10.78 | 0 | 0.00000791 April, 2024 | Full recovery in 6 hour | None perceived |
| | | | | Groundwater Elevation (Ft MSL) | 1022.88 | 1022.32 | | | | |
| | | | | Measured Well Depth (ft) | 13.6 | 13.6 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 0.38 | -0.18 | | | | |
| MW-45D | 1033.44 | 997.49 | 38.45 | Groundwater Level (ft) | 24.28 | 22.46 | 0 | 0.0000159 April, 2024 | Full recovery in 12 hour | None perceived |
| | | | | Groundwater Elevation (Ft MSL) | 1009.16 | 1010.98 | | | | |
| | | | | Measured Well Depth (ft) | 38.45 | 38.45 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 11.67 | 13.49 | | | | |
| MW-31 | 1054.34 | 1034.34 | 25 | Groundwater Level (ft) | 20.05 | 23.6 | 0 | 0.0000116 March, 2016 | Too Dry | None perceived |
| | | | | Groundwater Elevation (Ft MSL) | 1034.29 | 1030.74 | | | | |
| | | | | Measured Well Depth (ft) | 25 | 25 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | -0.05 | -3.6 | | | | |
| MW-32 | 1056.82 | 1034.02 | 27.8 | Groundwater Level (ft) | 20.22 | 20.86 | 0 | 0.00000057 March, 2016 | Full recovery >24 hour | None percieved |
| | | | | Groundwater Elevation (Ft MSL) | 1036.6 | 1035.96 | | | | |
| | | | | Measured Well Depth (ft) | 27.8 | 27.8 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 2.58 | 1.94 | | | | |
| MW-28 | 1002.67 | 992.87 | 14.8 | Groundwater Level (ft) | 7.5 | 7.36 | -0.2 | 0.000212 March, 2016 | Full recovery in 1 hour | None percieved |
| | | | | Groundwater Elevation (Ft MSL) | 995.17 | 995.31 | | | | |
| | | | | Measured Well Depth (ft) | 15 | 15 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 2.3 | 2.44 | | | | |
| MW-11C | 1054.11 | 1003.56 | 51.55 | Groundwater Level (ft) | 45.08 | 41.68 | 0 | 0.00647 March, 2016 | Full recovery in 7 hour | None percieved |
| | | | | Groundwater Elevation (Ft MSL) | 1009.03 | 1012.43 | | | | |
| | | | | Measured Well Depth (ft) | 51.55 | 51.55 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 5.47 | 8.87 | | | | |
| MW-14D | 1057.28 | 997.28 | 65 | Groundwater Level (ft) | 56.92 | 55.21 | 0 | 0.000000107 June, 2010 | Full recovery >24 hour | None percieved |
| | | | | Groundwater Elevation (Ft MSL) | 1000.36 | 1002.07 | | | | |
| | | | | Measured Well Depth (ft) | 65 | 65 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 3.08 | 4.79 | | | | |
| MW-17R | 1058.27 | 1008.97 | 52.3 | Groundwater Level (ft) | 48.3 | 45.75 | 0 | 0.0001 March, 2016 | Full recovery in 5 hour | None percieved |
| | | | | Groundwater Elevation (Ft MSL) | 1009.97 | 1012.52 | | | | |
| | | | | Measured Well Depth (ft) | 52.3 | 52.3 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 1 | 3.55 | | | | |
| MW-39D | 1076.19 | 988.69 | 90.5 | Groundwater Level (ft) | 59.5 | 56.85 | 0.3 | 0.0000098 May, 2020 | Full recovery >24 hour | None percieved |
| | | | | Groundwater Elevation (Ft MSL) | 1016.69 | 1019.34 | | | | |
| | | | | Measured Well Depth (ft) | 90.2 | 90.2 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 28 | 30.65 | | | | |
| MW-41D | 1039.09 | 988.89 | 53.2 | Groundwater Level (ft) | 48.01 | 47.31 | 0.2 | 0.00000188 May, 2020 | Full recovery >24 hour | None percieved |
| | | | | Groundwater Elevation (Ft MSL) | 991.08 | 991.78 | | | | |
| | | | | Measured Well Depth (ft) | 53 | 53 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 2.19 | 2.89 | | | | |
| MW-42D | 1035.79 | 994.36 | 43.43 | Groundwater Level (ft) | 37.55 | 34.9 | 0.03 | 0.00000583 May, 2020 | Full recovery >24 hour | None percieved |
| | | | | Groundwater Elevation (Ft MSL) | 998.24 | 1000.89 | | | | |
| | | | | Measured Well Depth (ft) | 43.4 | 43.4 | | | | |
| | | | | Submerged (+) or Exposed screen (-) | 3.88 | 6.53 | | | | |

**Groundwater Underdrain Piezometer**

| Well | | Date of Measurements | |
|---|---|---|---|
| | | 3/10/2025 | 9/4/2025 |
| GUH - A | Top PVC (MSL) | 1042.52 | 1042.52 |
| | Depth to liquid (ft) | 12.15 | 12.2 |
| | Depth to bottom (ft) | 12.45 | 12.45 |
| | bottom of waste (feet MSL) | 1036.53 | 1036.53 |
| | Bottom Screen of GPZ (feet MSL) | 1030.07 | 1030.07 |
| | Thickness Water in GPZ (ft) | 0.3 | 0.25 |
| | Elevation water in GPZ (feet MSL) | 1030.37 | 1030.32 |
| | Minimum Separation (ft) | 6.16 | 6.21 |

| Well | | Date of Measurements | |
|---|---|---|---|
| | | 3/10/2025 | 9/4/2025 |
| GUH - B | Top PVC (MSL) | 1040.9 | 1040.9 |
| | Depth to liquid (ft) | 11.8 | 11.9 |
| | Depth to bottom (ft) | 11.9 | 11.9 |
| | bottom of waste (feet MSL) | 1034.63 | 1034.63 |
| | Bottom Screen of GPZ (feet MSL) | 1029 | 1029 |
| | Thickness Water in GPZ (ft) | 0.1 | 0 |
| | Elevation water in GPZ (feet MSL) | 1029.1 | 1029 |
| | Minimum Separation (ft) | 5.53 | 5.63 |

Table 4A – Summary of Water Elevations Over Time

Table 4A
Water Elevation Data
Annual Water Quality Report
South Central Iowa Landfill
61-SDP-1-78P

| Well/TOC | MW-1 | 1043.14 | MW-1R | 1044.51 | MW-2A | 1046.16 | MW2B | 1045.66 | MW-4A | 1082.35 | MW-4B | 1082.35 | MW-4C | 1082.24 | MW-5 | 1057.67 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation |
| 10/06/93 | | 1005.57 | | | | 1041.05 | | 1041.16 | | 1067.18 | | 1056.37 | | 1041.69 | | 1046.58 |
| 11/30/93 | | DRY | | | | 1042.11 | | 1040.76 | | 1065.8 | | 1056.22 | | 1040.24 | | 1046 |
| 01/21/94 | | DRY | | | | 1040.91 | | 1039.06 | | 1064.78 | | 1056.82 | | 1041.59 | | 1044.12 |
| 03/23/94 | | DRY | | | | 1042.21 | | 1041.01 | | 1064.4 | | 1054.9 | | 1042.88 | | 1033.45 |
| 05/10/94 | | DRY | | | | 1042.32 | | 1042.1 | | 1066.12 | | 1053.35 | | 1043.58 | | 1049.66 |
| 08/31/94 | | DRY | | | | 1039.94 | | 1039.08 | | 1063.65 | | 1052.67 | | 1037.21 | | 1029.54 |
| 10/28/94 | | DRY | | | | 1040.33 | | 1040.41 | | 1062.24 | | 1051.63 | | 1036.89 | | 1027.23 |
| 02/15/01 | | DRY | | | | 1039.46 | | 1035.16 | | 1060.15 | | 1064.35 | | 1038.04 | | 1019.87 |
| 04/18/01 | | DRY | | | | 1038.76 | | 1034.06 | | 1065.35 | | 1063.55 | | 1037.74 | | 1020.27 |
| 06/15/01 | | 1005.44 | | | | 1038.16 | | 1034.26 | | 1065.95 | | 1062.95 | | 1037.84 | | 1020.87 |
| 08/15/01 | | DRY | | | | 1036.36 | | 1033.06 | | 1062.35 | | 1061.85 | | 1037.14 | | 1021.07 |
| 01/06/03 | | DRY | | | | 1038.26 | | 1033.76 | | 1057.85 | | 1059.75 | | 1037.74 | | 1019.47 |
| 02/12/03 | | DRY | | | | 1038.56 | | 1033.76 | | 1057.95 | | 1059.75 | | 1037.74 | | 1019.57 |
| 03/11/03 | | DRY | | | | 1038.46 | | 1033.86 | | 1057.85 | | 1059.75 | | 1037.74 | | 1019.57 |
| 04/10/03 | | DRY | | | | 1039.46 | | 1034.56 | | 1057.95 | | 1059.75 | | 1037.44 | | 1019.57 |
| 05/13/03 | | DRY | | | | 1038.36 | | 1033.76 | | 1064.75 | | 1059.65 | | 1037.44 | | 1019.87 |
| 06/29/03 | | DRY | | | | 1038.66 | | 1033.76 | | 1064.85 | | 1059.65 | | 1037.44 | | 1019.77 |
| 07/08/03 | | DRY | | | | 1038.46 | | 1033.76 | | 1064.15 | | 1059.45 | | 1038.04 | | 1019.97 |
| 08/11/03 | | DRY | | | | 1036.96 | | 1034.16 | | 1062.35 | | 1059.55 | | 1037.94 | | 1019.97 |
| 09/02/03 | | DRY | | | | 1036.26 | | 1033.26 | | 1061.45 | | 1059.45 | | 1038.04 | | 1019.77 |
| 10/15/03 | | DRY | | | | 1036.76 | | 1033.66 | | 1060.65 | | 1059.45 | | 1037.94 | | 1019.57 |
| 11/14/03 | | DRY | | | | 1038.26 | | 1034.46 | | 1063.15 | | 1059.35 | | 1037.74 | | 1019.47 |
| 01/23/04 | DRY | DRY | | | 3.10 | 1043.06 | 11.90 | 1033.76 | 18.70 | 1063.65 | 23.10 | 1059.25 | 44.40 | 1037.84 | 38.30 | 1019.37 |
| 02/26/04 | DRY | DRY | | | 5.40 | 1040.76 | 7.10 | 1038.56 | 17.70 | 1064.65 | 23.10 | 1059.25 | 44.60 | 1037.64 | 38.20 | 1019.47 |
| 03/01/04 | DRY | DRY | | | NT | NT | NT | NT | 15.30 | 1067.05 | 23.10 | 1059.25 | 44.40 | 1037.84 | 37.80 | 1019.87 |
| 04/16/04 | DRY | DRY | | | 6.30 | 1039.86 | 11.50 | 1034.16 | 16.70 | 1065.65 | 23.10 | 1059.25 | 44.80 | 1037.44 | 37.80 | 1019.87 |
| 05/13/04 | DRY | DRY | | | 7.80 | 1038.36 | 11.90 | 1033.76 | 17.60 | 1064.75 | 22.70 | 1059.65 | 44.80 | 1037.44 | 37.80 | 1019.87 |
| 06/24/04 | 11.80 | 1031.34 | | | 22.00 | 1024.16 | 8.70 | 1036.96 | 14.60 | 1067.75 | 23.10 | 1059.25 | 44.50 | 1037.74 | 38.00 | 1019.67 |
| 07/25/04 | 33.10 | 1010.04 | | | 6.90 | 1039.26 | 12.20 | 1033.46 | 16.40 | 1065.95 | 23.00 | 1059.35 | 45.20 | 1037.04 | 38.10 | 1019.57 |
| 08/29/04 | 33.30 | 1009.84 | | | 6.90 | 1039.26 | 11.70 | 1033.96 | 16.90 | 1065.45 | 23.10 | 1059.25 | 44.50 | 1037.74 | 38.10 | 1019.57 |
| 09/20/04 | DRY | DRY | | | 7.80 | 1038.36 | 12.20 | 1033.46 | 17.40 | 1064.95 | 23.60 | 1058.75 | 44.80 | 1037.44 | 38.10 | 1019.57 |
| 10/26/04 | 12.00 | 1031.14 | | | 10.10 | 1036.06 | 9.00 | 1036.66 | 15.10 | 1067.25 | 23.10 | 1059.25 | 46.60 | 1035.64 | 38.10 | 1019.57 |
| 01/12/05 | 11.80 | 1031.34 | | | 21.00 | 1025.16 | 8.10 | 1037.56 | 16.10 | 1066.25 | 23.40 | 1058.95 | 46.20 | 1036.04 | 36.00 | 1021.67 |
| 02/23/05 | DRY | DRY | | | 8.00 | 1038.16 | 12.20 | 1033.46 | 14.90 | 1067.45 | 23.30 | 1059.05 | 45.40 | 1036.84 | 37.80 | 1019.87 |
| 03/08/05 | DRY | DRY | | | 8.10 | 1038.06 | 13.70 | 1031.96 | 15.90 | 1066.45 | 24.00 | 1058.35 | 43.20 | 1039.04 | 39.40 | 1018.27 |
| 04/26/05 | DRY | DRY | | | 8.00 | 1038.16 | 11.40 | 1034.26 | 18.20 | 1064.15 | 23.20 | 1059.15 | 45.50 | 1036.74 | 38.20 | 1019.47 |
| 05/20/05 | DRY | DRY | | | 7.60 | 1038.56 | 12.40 | 1033.26 | 17.80 | 1064.55 | 21.70 | 1060.65 | 44.90 | 1037.34 | 37.80 | 1019.87 |
| 06/17/05 | DRY | DRY | | | 8.30 | 1037.86 | 11.60 | 1034.06 | 18.50 | 1063.85 | 23.50 | 1058.85 | 45.10 | 1037.14 | 38.60 | 1019.07 |
| 07/14/05 | 29.90 | 1013.24 | | | 6.70 | 1039.46 | 12.80 | 1032.86 | 16.50 | 1065.85 | 23.40 | 1058.95 | 44.60 | 1037.64 | 38.40 | 1019.27 |
| 08/03/05 | DRY | DRY | | | 5.20 | 1040.96 | 7.00 | 1038.66 | 17.50 | 1064.85 | 23.00 | 1059.35 | 44.20 | 1038.04 | 38.10 | 1019.57 |
| 09/20/05 | DRY | DRY | | | 9.20 | 1036.96 | 11.80 | 1033.86 | 23.30 | 1059.05 | 23.00 | 1059.35 | 45.60 | 1036.64 | Removed | Removed |
| 10/06/05 | DRY | DRY | | | 9.00 | 1037.16 | 11.90 | 1033.76 | 23.40 | 1058.95 | 23.10 | 1059.25 | 45.30 | 1036.94 | Removed | Removed |
| 11/10/05 | DRY | DRY | | | 6.50 | 1039.66 | NT | NT | 23.50 | 1058.85 | 23.20 | 1059.15 | 45.60 | 1036.64 | Removed | Removed |
| 12/06/05 | DRY | DRY | | | 6.50 | 1039.66 | 7.50 | 1038.16 | 20.70 | 1061.65 | 23.90 | 1058.45 | 43.20 | 1039.04 | Removed | Removed |
| 01/11/06 | DRY | DRY | | | 6.30 | 1039.86 | 7.50 | 1038.16 | 20.30 | 1062.05 | 23.70 | 1058.65 | 43.40 | 1038.84 | Removed | Removed |
| 02/13/06 | DRY | DRY | | | 6.30 | 1039.86 | 7.80 | 1037.86 | 20.70 | 1061.65 | 23.60 | 1058.75 | 43.70 | 1038.54 | Removed | Removed |
| 03/15/06 | DRY | DRY | | | 6.10 | 1040.06 | 7.30 | 1038.36 | 19.00 | 1063.35 | 23.00 | 1059.35 | 43.20 | 1039.04 | Removed | Removed |
| 04/06/06 | DRY | DRY | | | 6.00 | 1040.16 | 7.80 | 1037.86 | 20.40 | 1061.95 | 23.80 | 1058.55 | 43.60 | 1038.64 | Removed | Removed |
| 05/02/06 | DRY | DRY | | | 4.20 | 1041.96 | 6.00 | 1039.66 | 20.60 | 1061.75 | 23.40 | 1058.95 | 43.70 | 1038.54 | Removed | Removed |
| 06/05/06 | DRY | DRY | | | 6.10 | 1040.06 | 7.90 | 1037.76 | 20.80 | 1061.55 | 23.70 | 1058.65 | 43.70 | 1038.54 | Removed | Removed |
| 07/10/06 | DRY | DRY | | | 6.00 | 1040.16 | 7.70 | 1037.96 | 20.70 | 1061.65 | 23.50 | 1058.85 | 43.90 | 1038.34 | Removed | Removed |
| 08/08/06 | DRY | DRY | | | 6.20 | 1039.96 | 7.50 | 1038.16 | 20.10 | 1062.25 | 23.50 | 1058.85 | 43.30 | 1038.94 | Removed | Removed |
| 09/11/06 | DRY | DRY | | | 6.00 | 1040.16 | 7.30 | 1038.36 | 20.60 | 1061.75 | 23.30 | 1059.05 | 43.30 | 1038.94 | Removed | Removed |
| 10/18/06 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged | 19.20 | 1063.15 | 23.60 | 1058.75 | 43.60 | 1038.64 | Removed | Removed |
| 12/06/06 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged | 16.40 | 1065.95 | 15.90 | 1066.45 | 44.20 | 1038.04 | Removed | Removed |
| 01/05/07 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged | 17.70 | 1064.65 | 18.20 | 1064.15 | 42.40 | 1039.84 | Removed | Removed |
| 02/08/07 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged | 17.40 | 1064.95 | 18.40 | 1063.95 | 42.10 | 1040.14 | Removed | Removed |
| 03/15/07 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged | 18.00 | 1064.35 | 18.60 | 1063.75 | 42.80 | 1039.44 | Removed | Removed |
| 04/07/07 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged | 17.10 | 1065.25 | 17.10 | 1065.25 | 42.40 | 1039.84 | Removed | Removed |
| 05/16/07 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged | 17.60 | 1064.75 | 18.40 | 1063.95 | 42.60 | 1039.64 | Removed | Removed |
| 06/26/07 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged | 16.20 | 1066.15 | 15.80 | 1066.55 | 44.00 | 1038.24 | Removed | Removed |
| 07/17/07 | 29.10 | 1014.04 | | | Plugged | Plugged | Plugged | Plugged | 16.40 | 1065.95 | 16.00 | 1066.35 | 44.20 | 1038.04 | Removed | Removed |
| 08/02/07 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged | 16.90 | 1065.45 | 16.80 | 1065.55 | 41.30 | 1040.94 | Removed | Removed |
| 09/04/07 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged | 18.60 | 1063.75 | 18.40 | 1063.95 | 42.60 | 1039.64 | Removed | Removed |
| 10/16/07 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged | 17.60 | 1064.75 | 18.00 | 1064.35 | 42.70 | 1039.54 | Removed | Removed |
| 03/24/08 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | 15.18 | 1067.17 | 13.55 | 1068.80 | 41.92 | 1040.32 | Removed | Removed |
| 05/30/08 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | 14.32 | 1068.03 | NT | NT | NT | NT | Removed | Removed |
| 07/17/08 | 15.12 | 1028.02 | | | Plugged | Plugged | Plugged | Plugged | 14.80 | 1067.55 | 12.55 | 1069.80 | 41.90 | 1040.34 | Removed | Removed |
| 09/11/08 | 31.90 | 1011.24 | | | Plugged | Plugged | Plugged | Plugged | 16.51 | 1065.84 | 12.80 | 1069.55 | 41.80 | 1040.44 | Removed | Removed |
| 12/20/08 | 27.60 | 1015.54 | | | Plugged | Plugged | Plugged | Plugged | 14.95 | 1067.40 | 12.90 | 1069.45 | 41.30 | 1040.94 | Removed | Removed |
| 04/22/08 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | 14.20 | 1068.15 | 12.80 | 1069.55 | 41.20 | 1041.04 | Removed | Removed |
| 10/30/09 | 35.45 | 1007.69 | | | Plugged | Plugged | Plugged | Plugged | 15.80 | 1066.55 | 12.90 | 1069.45 | 41.40 | 1040.84 | Removed | Removed |
| 01/27/10 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | NT | NT | NT | NT | NT | NT | Removed | Removed |
| 03/19/10 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | 12.50 | 1069.85 | NT | NT | NT | NT | Removed | Removed |
| 06/17/10 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | NT | NT | NT | NT | NT | NT | Removed | Removed |
| 09/14/10 | 19.00 | 1024.14 | | | Plugged | Plugged | Plugged | Plugged | 11.70 | 1070.65 | 10.90 | 1071.45 | 41.80 | 1040.44 | Removed | Removed |
| 03/14/11 | 19.20 | 1023.94 | | | Plugged | Plugged | Plugged | Plugged | 14.85 | 1067.50 | 13.55 | 1068.80 | 43.40 | 1038.84 | Removed | Removed |
| 09/26/11 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | 15.25 | 1067.10 | 11.30 | 1071.05 | 41.30 | 1040.94 | Removed | Removed |
| 03/13/12 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | 12.55 | 1069.80 | 11.80 | 1070.55 | 40.75 | 1041.49 | Removed | Removed |
| 09/19/12 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | 20.55 | 1061.80 | 12.70 | 1069.65 | 41.60 | 1040.64 | Removed | Removed |
| 03/25/13 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | 15.15 | 1067.20 | 12.80 | 1069.55 | 41.00 | 1041.24 | Removed | Removed |
| 09/19/13 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | 18.90 | 1063.45 | 12.10 | 1070.25 | 40.70 | 1041.54 | Removed | Removed |
| 03/28/14 | NT | NT | | | Plugged | Plugged | Plugged | Plugged | 23.15 | 1059.20 | 13.80 | 1068.55 | 41.25 | 1040.99 | Removed | Removed |
| 09/23/14 | NT | NT | 39.50 | DRY | Plugged | Plugged | Plugged | Plugged | 15.50 | 1066.85 | 52.30 | 1030.05 | 47.15 | 1035.09 | Removed | Removed |
| 12/02/14 | Plugged | Plugged | NT | NT | Plugged | Plugged | Plugged | Plugged | 15.50 | 1066.85 | 50.60 | 1031.75 | 41.30 | 1040.94 | Removed | Removed |
| 03/19/15 | Plugged | Plugged | 39.50 | DRY | Plugged | Plugged | Plugged | Plugged | 16.42 | 1065.93 | 49.10 | 1033.25 | 41.55 | 1040.69 | Removed | Removed |
| 06/17/15 | Plugged | Plugged | NT | NT | Plugged | Plugged | Plugged | Plugged | 12.10 | 1070.25 | NT | NT | 39.74 | 1042.50 | Removed | Removed |
| 08/27/15 | Plugged | Plugged | 39.50 | DRY | Plugged | Plugged | Plugged | Plugged | 11.25 | 1071.10 | 35.95 | 1046.40 | 39.20 | 1043.04 | Removed | Removed |
| 03/03/16 | Plugged | Plugged | 39.50 | DRY | Plugged | Plugged | Plugged | Plugged | 12.42 | 1069.93 | 31.95 | 1050.40 | 39.37 | 1042.87 | Removed | Removed |
| 09/20/16 | Plugged | Plugged | 39.50 | DRY | Plugged | Plugged | Plugged | Plugged | 14.87 | 1067.48 | 28.02 | 1054.33 | 40.01 | 1042.23 | Removed | Removed |
| 03/09/17 | Plugged | Plugged | 39.50 | DRY | Plugged | Plugged | Plugged | Plugged | 18.81 | 1063.54 | 27.57 | 1054.78 | 39.39 | 1042.85 | Removed | Removed |
| 09/14/17 | Plugged | Plugged | 39.50 | DRY | Plugged | Plugged | Plugged | Plugged | 21.17 | 1061.18 | 26.54 | 1055.81 | 40.90 | 1041.34 | Removed | Removed |
| 11/15/17 | Plugged | Plugged | NT | NT | Plugged | Plugged | Plugged | Plugged | NT | NT | NT | NT | NT | NT | Removed | Removed |
| 12/13/17 | Plugged | Plugged | NT | NT | Plugged | Plugged | Plugged | Plugged | NT | NT | NT | NT | NT | NT | Removed | Removed |
| 03/12/18 | Plugged | Plugged | 39.50 | DRY | Plugged | Plugged | Plugged | Plugged | 22.81 | 1059.54 | 26.55 | 1055.80 | 40.30 | 1041.94 | Removed | Removed |
| 09/10/18 | Plugged | Plugged | 39.70 | DRY | Plugged | Plugged | Plugged | Plugged | 15.17 | 1067.18 | 26.31 | 1056.04 | 38.75 | 1043.49 | Removed | Removed |
| 03/26/19 | Plugged | Plugged | 39.60 | DRY | Plugged | Plugged | Plugged | Plugged | 12.88 | 1069.47 | 16.48 | 1065.87 | 38.86 | 1043.38 | Removed | Removed |
| 09/16/19 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | 15.71 | 1066.64 | 12.91 | 1069.44 | 40.83 | 1041.41 | Removed | Removed |
| 03/24/20 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | 9.84 | 1072.51 | 11.01 | 1071.34 | 34.72 | 1047.52 | Removed | Removed |
| 09/02/20 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | 19.55 | 1062.80 | 12.78 | 1069.57 | 41.16 | 1041.08 | Removed | Removed |
| 03/08/21 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | 15.95 | 1066.40 | 14.20 | 1068.15 | 41.04 | 1041.20 | Removed | Removed |
| 09/14/21 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | 20.26 | 1062.09 | 14.65 | 1067.70 | 41.66 | 1040.58 | Removed | Removed |
| 03/28/22 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | Broken | Broken | Broken | Broken | Broken | Broken | Removed | Removed |
| 09/13/22 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | Broken | Broken | Broken | Broken | Broken | Broken | Removed | Removed |
| 03/23/23 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | Broken | Broken | Broken | Broken | Broken | Broken | Removed | Removed |
| 09/05/23 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | Broken | Broken | 20.35 | 1062.00 | Broken | Broken | Removed | Removed |
| 03/06/24 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | Broken | Broken | 23.25 | 1059.10 | Broken | Broken | Removed | Removed |
| 09/18/24 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | Broken | Broken | 21.38 | 1060.97 | Broken | Broken | Removed | Removed |
| 03/11/25 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | Plugged | Plugged | 24.46 | 1057.89 | Plugged | Plugged | Removed | Removed |
| 09/04/25 | Plugged | Plugged | 39.55 | DRY | Plugged | Plugged | Plugged | Plugged | Plugged | Plugged | 20.89 | 1061.46 | Plugged | Plugged | Removed | Removed |

Table 4A
Water Elevation Data
Annual Water Quality Report
South Central Iowa Landfill
61-SDP-1-78P

| Well/TOC | MW-6A | 1055.48 | MW-6B | 1055.13 | MW-6C | 1057.25 | MW-7A | 1058.64 | MW-7B | 1059.4 | MW-7C | 1057.95 | MW-8A | 1042.28 | MW-8B | 1049.46 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | | | Water Depth | Water Elevation | Water Depth | Water Elevation |
| 10/06/93 | | 1046.44 | | DRY | | | | 1042.02 | | | | | | DRY | | 1027.52 |
| 11/30/93 | | 1045.78 | | DRY | | | | 1041.22 | | | | | | DRY | | 1026.75 |
| 01/21/94 | | 1045.13 | | DRY | | | | 1041.22 | | | | | | 1031.86 | | 1026.02 |
| 03/23/94 | | 1047.11 | | DRY | | | | 1041.99 | | | | | | DRY | | 1025.16 |
| 05/10/94 | | 1047.25 | | DRY | | | | 1044.34 | | | | | | DRY | | 1026.26 |
| 08/31/94 | | 1041.18 | | DRY | | | | 1040.34 | | | | | | DRY | | 1025.11 |
| 10/28/94 | | 1041.02 | | DRY | | | | 1040.16 | | | | | | DRY | | 1024.7 |
| 02/15/01 | | DRY | | DRY | | | | DRY | | | | | | DRY | | 1022.86 |
| 04/18/01 | | 1044.78 | | 1043.53 | | | | 1043.74 | | | | | | DRY | | 1031.16 |
| 06/15/01 | | 1044.48 | | 1036.53 | | | | 1041.94 | | | | | | DRY | | 1028.46 |
| 08/15/01 | | DRY | | DRY | | | | DRY | | | | | | DRY | | 1025.26 |
| 01/06/03 | | DRY | | DRY | | | | DRY | | | | | | DRY | | 1023.76 |
| 02/12/03 | | DRY | | DRY | | | | DRY | | | | | | DRY | | 1023.86 |
| 03/11/03 | | DRY | | DRY | | | | DRY | | | | | | DRY | | 1023.86 |
| 04/10/03 | | DRY | | DRY | | | | DRY | | | | | | DRY | | 1023.86 |
| 05/13/03 | | 1041.08 | | 1034.63 | | | | 1041.74 | | | | | | 1023.88 | | 1028.26 |
| 06/29/03 | | 1041.38 | | 1034.73 | | | | 1041.84 | | | | | | 1023.88 | | 1028.26 |
| 07/08/03 | | DRY | | DRY | | | | 1041.64 | | | | | | 1018.38 | | DRY |
| 08/11/03 | | DRY | | DRY | | | | 1040.04 | | | | | | DRY | | 1025.26 |
| 09/02/03 | | DRY | | DRY | | | | 1039.94 | | | | | | DRY | | 1024.96 |
| 10/15/03 | | DRY | | DRY | | | | 1039.84 | | | | | | DRY | | 1024.86 |
| 11/14/03 | | DRY | | DRY | | | | 1041.94 | | | | | | DRY | | 1023.06 |
| 01/23/04 | DRY | DRY | DRY | DRY | | | 16.30 | 1042.34 | | | | | DRY | DRY | 24.80 | 1024.66 |
| 02/26/04 | DRY | DRY | DRY | DRY | | | 14.70 | 1043.94 | | | | | DRY | DRY | 21.80 | 1027.66 |
| 03/01/04 | DRY | DRY | 9.00 | 1046.13 | | | 14.60 | 1044.04 | | | | | 17.60 | 1024.68 | 18.20 | 1031.26 |
| 04/16/04 | DRY | DRY | 18.70 | 1036.43 | | | 16.80 | 1041.84 | | | | | 17.40 | 1024.88 | 19.30 | 1030.16 |
| 05/13/04 | 14.40 | 1041.08 | 20.50 | 1034.63 | | | 16.90 | 1041.74 | | | | | 18.40 | 1023.88 | 21.20 | 1028.26 |
| 06/24/04 | 9.10 | 1046.38 | 5.90 | 1049.23 | | | 13.90 | 1044.74 | | | | | 16.00 | 1026.28 | 21.10 | 1028.36 |
| 07/25/04 | 12.40 | 1043.08 | 18.80 | 1036.33 | | | 17.90 | 1040.74 | | | | | DRY | DRY | 22.70 | 1026.76 |
| 08/29/04 | 12.30 | 1043.18 | 18.80 | 1036.33 | | | 17.50 | 1041.14 | | | | | DRY | DRY | 22.70 | 1026.76 |
| 09/20/04 | 14.70 | 1040.78 | 20.50 | 1034.63 | | | 17.00 | 1041.64 | | | | | 18.60 | 1023.68 | 21.20 | 1028.26 |
| 10/26/04 | 10.00 | 1045.48 | 5.60 | 1049.53 | | | 13.90 | 1044.74 | | | | | 16.30 | 1025.98 | 21.20 | 1028.26 |
| 01/12/05 | 9.00 | 1046.48 | 6.10 | 1049.03 | | | 13.90 | 1044.74 | | | | | 16.90 | 1025.38 | 22.30 | 1027.16 |
| 02/23/05 | DRY | DRY | 9.50 | 1045.63 | | | 14.60 | 1044.04 | | | | | 17.70 | 1024.58 | 19.10 | 1030.36 |
| 03/08/05 | DRY | DRY | 9.80 | 1045.33 | | | 14.60 | 1044.04 | | | | | DRY | DRY | 25.40 | 1024.06 |
| 04/26/05 | DRY | DRY | DRY | DRY | | | 15.80 | 1042.84 | | | | | DRY | DRY | 25.00 | 1024.46 |
| 05/20/05 | 15.40 | 1040.08 | 20.20 | 1034.93 | | | 16.60 | 1042.04 | | | | | DRY | DRY | 22.60 | 1026.86 |
| 06/17/05 | DRY | DRY | DRY | DRY | | | 16.10 | 1042.54 | | | | | DRY | DRY | 25.20 | 1024.26 |
| 07/14/05 | 12.10 | 1043.38 | 18.00 | 1037.13 | | | DRY | DRY | | | | | DRY | DRY | 23.00 | 1026.46 |
| 08/03/05 | DRY | DRY | DRY | DRY | | | 14.90 | 1043.74 | | | | | DRY | DRY | 21.60 | 1027.86 |
| 09/20/05 | DRY | DRY | DRY | DRY | | | DRY | DRY | | | | | 17.30 | 1024.98 | 25.20 | 1024.26 |
| 10/06/05 | DRY | DRY | DRY | DRY | | | DRY | DRY | | | | | 17.70 | 1024.58 | 25.00 | 1024.46 |
| 11/10/05 | DRY | DRY | DRY | DRY | | | DRY | DRY | | | | | 17.30 | 1024.98 | 25.10 | 1024.36 |
| 12/06/05 | 5.50 | 1049.98 | DRY | DRY | | | 14.40 | 1044.24 | | | | | DRY | DRY | 25.70 | 1023.76 |
| 01/11/06 | 5.70 | 1049.78 | DRY | DRY | | | 14.20 | 1044.44 | | | | | DRY | DRY | 25.40 | 1024.06 |
| 02/13/06 | 5.30 | 1050.18 | DRY | DRY | | | 13.90 | 1044.74 | | | | | DRY | DRY | 26.00 | 1023.46 |
| 03/15/06 | 5.70 | 1049.78 | DRY | DRY | | | 13.80 | 1044.84 | | | | | DRY | DRY | 25.30 | 1024.16 |
| 04/06/06 | 5.40 | 1050.08 | DRY | DRY | | | 13.90 | 1044.74 | | | | | DRY | DRY | 26.10 | 1023.36 |
| 05/02/06 | 5.20 | 1050.28 | DRY | DRY | | | 13.90 | 1044.74 | | | | | DRY | DRY | 25.80 | 1023.66 |
| 06/05/06 | 5.20 | 1050.28 | DRY | DRY | | | 14.00 | 1044.64 | | | | | DRY | DRY | 26.00 | 1023.46 |
| 07/10/06 | 5.60 | 1049.88 | DRY | DRY | | | 14.20 | 1044.44 | | | | | DRY | DRY | 25.90 | 1023.56 |
| 08/08/06 | 5.80 | 1049.68 | DRY | DRY | | | 14.00 | 1044.64 | | | | | DRY | DRY | 25.50 | 1023.96 |
| 09/11/06 | 5.60 | 1049.88 | DRY | DRY | | | 14.10 | 1044.54 | | | | | DRY | DRY | 25.30 | 1024.16 |
| 10/18/06 | DRY | DRY | DRY | DRY | | | 14.90 | 1043.74 | | | | | 12.80 | 1029.48 | 25.60 | 1023.86 |
| 12/06/06 | 15.00 | 1040.48 | 20.40 | 1034.73 | | | DRY | DRY | | | | | DRY | DRY | 24.30 | 1025.16 |
| 01/05/07 | DRY | DRY | DRY | DRY | | | 18.40 | 1040.24 | 47.80 | 1011.60 | | | 17.20 | 1025.08 | 23.70 | 1025.76 |
| 02/08/07 | DRY | DRY | DRY | DRY | | | 18.80 | 1039.84 | 48.00 | 1011.40 | | | 17.60 | 1024.68 | 23.90 | 1025.56 |
| 03/15/07 | DRY | DRY | DRY | DRY | | | 18.90 | 1039.74 | 48.10 | 1011.30 | | | 17.80 | 1024.48 | 23.40 | 1026.06 |
| 04/07/07 | DRY | DRY | DRY | DRY | | | 17.30 | 1041.34 | 48.90 | 1010.50 | | | DRY | DRY | 24.40 | 1025.06 |
| 05/16/07 | DRY | DRY | DRY | DRY | | | 18.00 | 1040.64 | 47.70 | 1011.70 | | | 17.20 | 1025.08 | 23.60 | 1025.86 |
| 06/26/07 | 13.40 | 1042.08 | 20.00 | 1035.13 | | | DRY | DRY | 48.40 | 1011.00 | | | DRY | DRY | 24.10 | 1025.36 |
| 07/17/07 | 13.50 | 1041.98 | 20.00 | 1035.13 | | | 18.50 | 1040.14 | 48.40 | 1011.00 | | | DRY | DRY | 24.10 | 1025.36 |
| 08/02/07 | DRY | DRY | DRY | DRY | | | 18.80 | 1039.84 | 48.00 | 1011.40 | | | DRY | DRY | 24.00 | 1025.46 |
| 09/04/07 | DRY | DRY | DRY | DRY | | | 18.90 | 1039.74 | 47.80 | 1011.60 | | | 17.80 | 1024.48 | 23.40 | 1026.06 |
| 10/16/07 | DRY | DRY | DRY | DRY | | | 18.60 | 1040.04 | 47.60 | 1011.80 | | | 17.00 | 1025.28 | 23.80 | 1025.66 |
| 03/24/08 | 7.21 | 1048.27 | 16.28 | 1038.85 | | | 15.45 | 1043.19 | 45.05 | 1014.35 | | | DRY | DRY | 24.71 | 1024.75 |
| 05/30/08 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | NT | NT | 22.50 | 1026.96 |
| 07/17/08 | 9.28 | 1046.20 | 7.25 | 1047.88 | | | 16.60 | 1042.04 | 45.30 | 1014.10 | | | DRY | DRY | 23.05 | 1026.41 |
| 09/11/08 | 11.65 | 1043.83 | 20.40 | 1034.73 | | | 18.40 | 1040.24 | 47.10 | 1012.30 | | | DRY | DRY | 24.10 | 1025.36 |
| 12/20/08 | 9.70 | 1045.78 | 18.90 | 1036.23 | | | 16.40 | 1042.24 | 47.35 | 1012.05 | | | DRY | DRY | 23.20 | 1026.26 |
| 04/22/08 | 7.90 | 1047.58 | 17.45 | 1037.68 | | | 16.68 | 1041.96 | 46.50 | 1012.90 | | | DRY | DRY | 21.45 | 1028.01 |
| 10/30/09 | 11.25 | 1044.23 | DRY | DRY | | | 14.45 | 1044.19 | 47.50 | 1011.90 | | | DRY | DRY | 24.20 | 1025.26 |
| 01/27/10 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | NT | NT | 22.75 | 1026.71 |
| 03/19/10 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | DRY | DRY | 20.65 | 1028.81 |
| 06/17/10 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | NT | NT | NT | NT |
| 09/14/10 | NT | NT | NT | NT | | | 17.50 | 1041.14 | 46.30 | 1013.10 | | | DRY | DRY | 22.60 | 1026.86 |
| 03/14/11 | NT | NT | NT | NT | | | 16.70 | 1041.94 | 47.40 | 1012.00 | | | DRY | DRY | DRY | DRY |
| 09/26/11 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | DRY | DRY | DRY | DRY |
| 03/13/12 | NT | NT | NT | NT | | | 16.70 | 1041.94 | 48.00 | 1011.40 | | | DRY | DRY | 23.75 | 1025.71 |
| 09/19/12 | NT | NT | NT | NT | | | 18.80 | DRY | 48.25 | 1011.15 | | | DRY | DRY | DRY | DRY |
| 03/25/13 | NT | NT | NT | NT | | | 16.60 | 1042.04 | 47.70 | 1011.70 | | | DRY | DRY | DRY | DRY |
| 09/19/13 | 10.80 | 1044.68 | 20.80 | DRY | | | 18.80 | DRY | 48.05 | 1011.35 | | | 17.50 | DRY | 24.30 | 1025.16 |
| 03/28/14 | 11.95 | 1043.53 | 20.80 | DRY | | | 18.80 | DRY | 43.55 | 1015.85 | | | 17.50 | DRY | 23.18 | 1026.28 |
| 09/23/14 | 5.10 | 1050.38 | 5.55 | 1049.58 | 30.40 | DRY | 18.80 | DRY | 43.30 | 1016.10 | 31.90 | DRY | 17.50 | DRY | 20.25 | 1029.21 |
| 12/02/14 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 03/19/15 | 9.65 | 1045.83 | 19.55 | 1035.58 | 30.40 | DRY | 17.45 | 1041.19 | 45.90 | 1013.50 | 32.00 | DRY | 17.50 | DRY | 23.80 | 1025.66 |
| 06/17/15 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 08/27/15 | 5.45 | 1050.03 | 5.60 | 1049.53 | 30.45 | DRY | 16.50 | 1042.14 | 44.15 | 1015.25 | 32.00 | DRY | 17.50 | DRY | 21.25 | 1028.21 |
| 03/03/16 | 7.12 | 1048.36 | 9.70 | 1045.43 | 30.45 | DRY | 16.70 | 1041.94 | 43.10 | 1016.30 | 32.00 | DRY | 17.50 | DRY | 21.47 | 1027.99 |
| 09/20/16 | 9.25 | 1046.23 | 20.80 | DRY | 30.45 | DRY | 16.80 | 1041.84 | 45.49 | 1013.91 | 32.00 | DRY | 17.50 | DRY | 24.24 | 1025.22 |
| 03/09/17 | 9.03 | 1046.45 | 21.00 | DRY | 30.45 | DRY | 16.89 | 1041.75 | 45.79 | 1013.61 | 32.00 | DRY | 17.50 | DRY | 24.12 | 1025.34 |
| 09/14/17 | 11.18 | 1044.30 | 21.05 | DRY | 30.45 | DRY | 17.17 | 1041.47 | 45.81 | 1013.59 | 32.00 | DRY | 17.50 | DRY | 24.40 | 1025.06 |
| 11/15/17 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 12/13/17 | 11.76 | 1043.72 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 03/12/18 | 12.85 | 1042.63 | 21.10 | DRY | 30.80 | DRY | 16.65 | 1041.99 | 45.76 | 1013.64 | 32.40 | DRY | 17.65 | DRY | 24.99 | 1024.47 |
| 09/10/18 | 9.55 | 1045.93 | 6.15 | 1048.98 | 30.50 | DRY | 13.42 | 1045.22 | 45.07 | 1014.33 | 32.30 | DRY | 17.70 | DRY | 23.46 | 1026.00 |
| 03/26/19 | 5.16 | 1050.32 | 3.99 | 1051.14 | 30.40 | DRY | 14.65 | 1043.99 | 39.84 | 1019.56 | 32.10 | DRY | 17.65 | DRY | 20.61 | 1028.85 |
| 09/16/19 | 11.20 | 1044.28 | 21.10 | DRY | 30.55 | DRY | 16.03 | 1042.61 | 45.85 | 1013.55 | 32.35 | DRY | 17.80 | DRY | 23.36 | 1026.10 |
| 03/24/20 | 4.64 | 1050.84 | 3.11 | 1052.02 | 30.55 | DRY | 14.42 | 1044.22 | 41.47 | 1017.93 | 32.35 | DRY | 17.80 | DRY | 22.61 | 1026.85 |
| 09/02/20 | 11.45 | 1044.03 | 21.10 | DRY | 30.55 | DRY | 16.03 | 1042.61 | 46.05 | 1013.35 | 32.35 | DRY | 17.80 | DRY | 24.28 | 1025.18 |
| 03/08/21 | 8.19 | 1047.29 | 4.48 | 1050.65 | 30.55 | DRY | 15.08 | 1043.56 | 45.79 | 1013.61 | 32.35 | DRY | 17.80 | DRY | 24.40 | 1025.06 |
| 09/14/21 | 11.58 | 1043.90 | 21.10 | DRY | 30.55 | DRY | 14.00 | 1044.64 | 46.09 | 1013.31 | 32.35 | DRY | 17.80 | DRY | 24.48 | 1024.98 |
| 03/28/22 | 10.71 | 1044.77 | 19.74 | 1035.39 | 30.55 | DRY | 15.18 | 1043.46 | 45.83 | 1013.57 | 32.35 | DRY | 17.80 | DRY | 24.80 | 1024.66 |
| 09/13/22 | 11.60 | 1043.88 | 21.10 | DRY | 30.45 | DRY | 15.18 | 1043.46 | 46.04 | 1013.36 | 32.35 | DRY | 17.80 | DRY | 24.41 | 1025.05 |
| 03/23/23 | 10.45 | 1045.03 | 21.00 | 1034.13 | 30.45 | DRY | 15.27 | 1043.37 | 45.97 | 1013.43 | 32.35 | DRY | 17.80 | DRY | 22.90 | 1026.56 |
| 09/05/23 | 10.45 | 1045.03 | 21.00 | 1034.13 | 30.45 | DRY | 16.99 | 1041.65 | 46.08 | 1013.32 | 32.35 | DRY | 17.80 | DRY | 24.63 | 1024.83 |
| 03/06/24 | 13.95 | 1041.53 | 21.10 | DRY | 30.45 | DRY | 16.66 | 1041.98 | 46.14 | 1013.26 | 32.35 | DRY | 17.80 | DRY | 24.94 | 1024.52 |
| 09/18/24 | 11.65 | 1043.83 | 21.00 | 1034.13 | 30.45 | DRY | 16.92 | 1041.72 | 46.06 | 1013.34 | 32.35 | DRY | 17.80 | DRY | 24.39 | 1025.07 |
| 03/11/25 | 11.70 | 1043.78 | 21.10 | DRY | 30.45 | DRY | 14.91 | 1043.73 | 45.97 | 1013.43 | 32.35 | DRY | 17.80 | DRY | 24.74 | 1024.72 |
| 09/04/25 | 11.20 | 1044.28 | 21.10 | DRY | 30.45 | DRY | 16.71 | 1041.93 | 45.52 | 1013.88 | 32.40 | DRY | 17.80 | DRY | 23.30 | 1026.16 |

Table 4A
Water Elevation Data
Annual Water Quality Report
South Central Iowa Landfill
61-SDP-1-78P

| Well/TOC | MW-9A | 1058.35 | MW-9B | 1059.13 | MW-10 | 1070.13 | MW-11A | 1061.06 | MW-11B | 1061.22 | MW-11C | 1054.11 | MW-12A | 1065.52 | MW-12B | 1066.12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **MW-9AR** | **1057.54** | | **1049.01** | | | | | | | | | | | | |
| | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | | | Water Depth | Water Elevation | Water Depth | Water Elevation |
| 10/06/93 | | 1032.79 | | 1029.35 | | 1034.26 | | 1035-34 | | 1021.97 | | | | 1039.69 | | 1057.37 |
| 11/30/93 | | 1032.67 | | 1028.93 | | 1022.21 | | 1035.26 | | 1022.04 | | | | 1038.95 | | 1057.67 |
| 01/21/94 | | 1032.6 | | 1028.83 | | 1021.53 | | 1035.42 | | 1021.87 | | | | 1038.6 | | 1055.77 |
| 03/23/94 | | 1032.61 | | 1029.56 | | 1020.78 | | 1035.74 | | 1021.92 | | | | 1036.98 | | 1055.56 |
| 05/10/94 | | 1032.58 | | 1028.95 | | 1020.68 | | 1036.64 | | 1022.06 | | | | 1037.16 | | 1057.56 |
| 08/31/94 | | 1032.47 | | 1028.48 | | 1021.4 | | 1034.36 | | 1021.94 | | | | 1038.8 | | 1055.24 |
| 10/28/94 | | 1032.49 | | 1028.26 | | 1021.43 | | DRY | | 1021.91 | | | | 1039.02 | | 1053.75 |
| 02/15/01 | | 1032.35 | | 1029.13 | | 1032.33 | | DRY | | 1022.02 | | | | 1037.62 | | 1054.92 |
| 04/18/01 | | 1033.45 | | 1029.93 | | 1031.13 | | 1035.76 | | 1021.92 | | | | 1037.72 | | 1054.82 |
| 06/15/01 | | 1033.15 | | 1029.13 | | 1031.73 | | 1035.26 | | 1021.82 | | | | 1040.42 | | 1055.72 |
| 08/15/01 | | 1032.75 | | 1028.83 | | 1031.83 | | DRY | | 1021.92 | | | | 1040.52 | | 1057.12 |
| 01/06/03 | | 1032.85 | | 1027.53 | | 1031.53 | | DRY | | DRY | | | | 1041.22 | | 1055.52 |
| 02/12/03 | | 1032.65 | | 1027.63 | | 1031.53 | | DRY | | DRY | | | | 1041.32 | | 1055.52 |
| 03/11/03 | | 1032.55 | | 1027.53 | | 1031.53 | | DRY | | DRY | | | | 1041.22 | | 1055.52 |
| 04/10/03 | | 1032.55 | | 1028.43 | | 1031.43 | | DRY | | DRY | | | | 1037.62 | | 1054.82 |
| 05/13/03 | | 1032.65 | | 1028.93 | | 1032.53 | | 1035.26 | | 1020.72 | | | | 1039.22 | | 1056.02 |
| 06/29/03 | | 1032.75 | | 1028.93 | | 1031.93 | | 1035.26 | | 1020.82 | | | | 1039.22 | | 1055.62 |
| 07/08/03 | | 1032.55 | | 1028.93 | | 1032.33 | | 1034.36 | | 1020.62 | | | | 1040.12 | | 1056.72 |
| 08/11/03 | | 1032.45 | | 1028.93 | | 1032.23 | | DRY | | DRY | | | | 1040.12 | | 1057.02 |
| 09/02/03 | | 1032.45 | | 1028.83 | | 1032.13 | | DRY | | DRY | | | | 1040.52 | | 1057.52 |
| 10/15/03 | | 1032.35 | | 1028.93 | | 1031.93 | | DRY | | DRY | | | | 1040.42 | | 1057.52 |
| 11/14/03 | | 1032.45 | | 1027.93 | | 1032.23 | | DRY | | DRY | | | | 1039.22 | | 1055.22 |
| 01/23/04 | 25.90 | 1032.45 | 37.80 | 1021.33 | 37.90 | 1032.23 | 26.00 | 1035.06 | DRY | 1061.22 | | | 23.50 | 1042.02 | 8.20 | 1057.92 |
| 02/26/04 | 25.90 | 1032.45 | 29.70 | 1029.43 | 38.10 | 1032.03 | 25.00 | 1036.06 | 40.30 | 1020.92 | | | 23.60 | 1041.92 | 9.40 | 1056.72 |
| 03/01/04 | 25.40 | 1032.95 | 29.40 | 1029.73 | 37.60 | 1032.53 | 25.10 | 1035.96 | 39.70 | 1021.52 | | | 25.00 | 1040.52 | 12.70 | 1053.42 |
| 04/16/04 | 25.70 | 1032.65 | 29.50 | 1029.63 | 38.20 | 1031.93 | 25.60 | 1035.46 | 40.40 | 1020.82 | | | 22.60 | 1042.92 | 9.70 | 1056.42 |
| 05/13/04 | 25.70 | 1032.65 | 30.20 | 1028.93 | 37.60 | 1032.53 | 25.80 | 1035.26 | 40.50 | 1020.72 | | | 26.30 | 1039.22 | 10.10 | 1056.02 |
| 06/24/04 | 25.30 | 1033.05 | 29.40 | 1029.73 | NT | NT | 24.00 | 1037.06 | 39.50 | 1021.72 | | | 5.60 | 1059.92 | 9.60 | 1056.52 |
| 07/25/04 | 25.80 | 1032.55 | 29.70 | 1029.43 | 37.60 | 1032.53 | 26.90 | 1034.16 | 41.30 | 1019.92 | | | 18.70 | 1046.82 | 8.90 | 1057.22 |
| 08/29/04 | 25.80 | 1032.55 | 29.80 | 1029.33 | 37.50 | 1032.63 | 26.10 | 1034.96 | 40.60 | 1020.62 | | | 18.40 | 1047.12 | 8.50 | 1057.62 |
| 09/20/04 | 25.10 | 1033.25 | 30.20 | 1028.93 | 37.60 | 1032.53 | DRY | DRY | DRY | DRY | | | 26.90 | 1038.62 | 10.40 | 1055.72 |
| 10/26/04 | 25.90 | 1032.45 | 29.90 | 1029.23 | 37.10 | 1033.03 | 24.40 | 1036.66 | 39.50 | 1021.72 | | | 6.20 | 1059.32 | 9.90 | 1056.22 |
| 01/12/05 | 25.80 | 1032.55 | 29.30 | 1029.83 | 37.40 | 1032.73 | 22.00 | 1039.06 | 39.50 | 1021.72 | | | 15.70 | 1049.82 | 9.70 | 1056.42 |
| 02/23/05 | 26.10 | 1032.25 | 29.30 | 1029.83 | 38.80 | 1031.33 | 26.10 | 1034.96 | 39.80 | 1021.42 | | | 25.20 | 1040.32 | 11.40 | 1054.72 |
| 03/08/05 | 26.10 | 1032.25 | 30.20 | 1028.93 | 37.70 | 1032.43 | 24.90 | 1036.16 | 39.70 | 1021.52 | | | 24.80 | 1040.72 | 10.90 | 1055.22 |
| 04/26/05 | 25.80 | 1032.55 | 37.90 | 1021.23 | 37.40 | 1032.73 | 25.80 | 1035.26 | DRY | DRY | | | 22.80 | 1042.72 | 8.20 | 1057.92 |
| 05/20/05 | 25.60 | 1032.75 | 31.90 | 1027.23 | 38.50 | 1031.63 | 25.60 | 1035.46 | 40.00 | 1021.22 | | | 26.30 | 1039.22 | 10.80 | 1055.32 |
| 06/17/05 | 25.10 | 1033.25 | 38.20 | 1020.93 | 37.70 | 1032.43 | 26.60 | 1034.46 | DRY | DRY | | | 23.20 | 1042.32 | 8.60 | 1057.52 |
| 07/14/05 | 25.90 | 1032.45 | 28.10 | 1031.03 | 39.40 | 1030.73 | 26.20 | 1034.86 | DRY | DRY | | | 18.10 | 1047.42 | 10.20 | 1055.92 |
| 08/03/05 | 25.60 | 1032.75 | 29.70 | 1029.43 | 38.00 | 1032.13 | 25.10 | 1035.96 | 40.00 | 1021.22 | | | 23.80 | 1041.72 | 9.80 | 1056.32 |
| 09/20/05 | 26.10 | 1032.25 | 30.00 | 1029.13 | 38.50 | 1031.63 | DRY | DRY | DRY | DRY | | | 15.00 | 1050.52 | 10.30 | 1055.82 |
| 10/06/05 | 26.40 | 1031.95 | 30.10 | 1029.03 | 38.40 | 1031.73 | DRY | DRY | DRY | DRY | | | 15.70 | 1049.82 | 10.20 | 1055.92 |
| 11/10/05 | 26.30 | 1032.05 | 30.30 | 1028.83 | NT | NT | DRY | DRY | DRY | DRY | | | 15.70 | 1049.82 | 12.80 | 1053.32 |
| 12/06/05 | 26.70 | 1031.65 | 30.20 | 1028.93 | 39.60 | 1030.53 | 25.50 | 1035.56 | DRY | DRY | | | 24.40 | 1041.12 | 12.60 | 1053.52 |
| 01/11/06 | 26.40 | 1031.95 | 30.00 | 1029.13 | 39.80 | 1030.33 | 25.00 | 1036.06 | DRY | DRY | | | 24.30 | 1041.22 | 12.40 | 1053.72 |
| 02/13/06 | 26.60 | 1031.75 | 30.50 | 1028.63 | 39.20 | 1030.93 | 25.50 | 1035.56 | DRY | DRY | | | 21.60 | 1043.92 | 12.00 | 1054.12 |
| 03/15/06 | 26.10 | 1032.25 | 29.90 | 1029.23 | 39.60 | 1030.53 | 24.80 | 1036.26 | DRY | DRY | | | 24.00 | 1041.52 | 12.20 | 1053.92 |
| 04/06/06 | 26.80 | 1031.55 | 30.70 | 1028.43 | 39.70 | 1030.43 | 25.50 | 1035.56 | DRY | DRY | | | 21.70 | 1043.82 | 11.10 | 1055.02 |
| 05/02/06 | 26.00 | 1032.35 | 30.10 | 1029.03 | 39.00 | 1031.13 | 25.10 | 1035.96 | DRY | DRY | | | 21.50 | 1044.02 | 12.10 | 1054.02 |
| 06/05/06 | 26.10 | 1032.25 | 30.00 | 1029.13 | 39.40 | 1030.73 | 25.00 | 1036.06 | DRY | DRY | | | 24.80 | 1040.72 | 12.30 | 1053.82 |
| 07/10/06 | 26.00 | 1032.35 | 30.10 | 1029.03 | 39.60 | 1030.53 | 25.20 | 1035.86 | DRY | DRY | | | 34.60 | 1030.92 | 12.40 | 1053.72 |
| 08/08/06 | 26.10 | 1032.25 | 30.00 | 1029.13 | 39.80 | 1030.33 | 25.00 | 1036.06 | DRY | DRY | | | 34.20 | 1031.32 | 12.60 | 1053.52 |
| 09/11/06 | 26.30 | 1032.05 | 30.20 | 1028.93 | 39.60 | 1030.53 | 25.10 | 1035.96 | DRY | DRY | | | 34.30 | 1031.22 | 12.60 | 1053.52 |
| 10/18/06 | 26.10 | 1032.25 | 30.00 | 1029.13 | 37.60 | 1032.53 | DRY | DRY | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 12/06/06 | 25.40 | 1032.95 | 28.70 | 1030.43 | NT | NT | 20.30 | 1040.76 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 01/05/07 | 26.10 | 1032.25 | 20.20 | 1038.93 | 29.10 | 1041.03 | DRY | DRY | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 02/08/07 | 26.00 | 1032.35 | 30.30 | 1028.83 | 39.30 | 1030.83 | DRY | DRY | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 03/15/07 | 26.40 | 1031.95 | 30.60 | 1028.53 | 39.40 | 1030.73 | DRY | DRY | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 04/07/07 | 26.00 | 1032.35 | 29.70 | 1029.43 | NT | NT | 25.50 | 1035.56 | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 05/16/07 | 25.80 | 1032.55 | 30.00 | 1029.13 | 29.00 | 1041.13 | DRY | DRY | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 06/26/07 | 25.30 | 1033.05 | 29.50 | 1029.63 | NT | NT | 25.60 | 1035.46 | 40.20 | 1021.02 | | | Plugged | Plugged | Plugged | Plugged |
| 07/17/07 | 25.30 | 1033.05 | 29.60 | 1029.53 | 37.60 | 1032.53 | 25.70 | 1035.36 | 40.30 | 1020.92 | | | Plugged | Plugged | Plugged | Plugged |
| 08/02/07 | 25.60 | 1032.75 | 28.90 | 1030.23 | NT | NT | DRY | DRY | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 09/04/07 | 26.10 | 1032.25 | 30.40 | 1028.73 | 39.30 | 1030.83 | DRY | DRY | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 10/16/07 | 26.60 | 1031.75 | 30.10 | 1029.03 | 39.00 | 1031.13 | DRY | DRY | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 03/24/08 | 25.44 | 1032.91 | 29.30 | 1029.83 | NT | NT | 25.12 | 1035.94 | 39.96 | 1021.26 | | | Plugged | Plugged | Plugged | Plugged |
| 05/30/08 | 25.82 | 1032.53 | NT | NT | NT | NT | NT | NT | NT | NT | | | Plugged | Plugged | Plugged | Plugged |
| 07/17/08 | 24.10 | 1034.25 | 29.30 | 1029.83 | NT | NT | 25.60 | 1035.46 | 40.10 | 1021.12 | | | Plugged | Plugged | Plugged | Plugged |
| 09/11/08 | 23.70 | 1034.65 | 29.45 | 1029.68 | NT | NT | DRY | DRY | DRY | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 12/20/08 | 25.25 | 1033.10 | 29.85 | 1029.28 | NT | NT | 25.60 | 1035.46 | 40.20 | 1021.02 | | | Plugged | Plugged | Plugged | Plugged |
| 04/22/08 | 24.70 | 1033.65 | 29.50 | 1029.63 | NT | NT | 25.50 | 1035.56 | 40.15 | 1021.07 | | | Plugged | Plugged | Plugged | Plugged |
| 10/30/09 | 25.50 | 1032.85 | 29.85 | 1029.28 | NT | NT | 24.75 | 1036.31 | 40.15 | 1021.07 | | | Plugged | Plugged | Plugged | Plugged |
| 01/27/10 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | Plugged | Plugged | Plugged | Plugged |
| 03/19/10 | 23.60 | 1034.75 | NT | NT | NT | NT | NT | NT | NT | NT | | | Plugged | Plugged | Plugged | Plugged |
| 06/17/10 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | Plugged | Plugged | Plugged | Plugged |
| 09/14/10 | 25.45 | 1032.90 | 29.40 | 1029.73 | NT | NT | NT | NT | NT | NT | | | Plugged | Plugged | Plugged | Plugged |
| 03/14/11 | 25.50 | 1032.85 | NT | NT | NT | NT | NT | NT | NT | NT | | | Plugged | Plugged | Plugged | Plugged |
| 09/26/11 | 25.75 | 1032.60 | 30.40 | 1028.73 | NT | NT | NT | NT | NT | NT | | | Plugged | Plugged | Plugged | Plugged |
| 03/13/12 | 25.50 | 1032.85 | 29.30 | 1029.83 | NT | NT | NT | NT | NT | NT | | | Plugged | Plugged | Plugged | Plugged |
| 09/19/12 | 25.90 | 1032.45 | 30.10 | 1029.03 | NT | NT | NT | NT | NT | NT | | | Plugged | Plugged | Plugged | Plugged |
| 03/25/13 | 25.30 | 1033.05 | 29.35 | 1029.78 | NT | NT | NT | NT | NT | NT | | | Plugged | Plugged | Plugged | Plugged |
| 09/19/13 | 25.75 | 1032.60 | 30.05 | 1029.08 | NT | NT | 25.70 | 1035.36 | 40.50 | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 03/28/14 | 25.60 | 1032.75 | 29.95 | 1029.18 | NT | NT | 25.70 | 1035.36 | 40.50 | DRY | | | Plugged | Plugged | Plugged | Plugged |
| 09/23/14 | 25.17 | 1033.18 | 29.55 | 1029.58 | NT | NT | 25.50 | 1035.56 | 40.50 | DRY | 42.33 | 1011.78 | Plugged | Plugged | Plugged | Plugged |
| 12/02/14 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | Plugged | Plugged | Plugged | Plugged |
| 03/19/15 | 25.45 | 1032.90 | 30.40 | 1028.73 | NT | NT | 26.30 | 1034.76 | 40.50 | DRY | 44.65 | 1009.46 | Plugged | Plugged | Plugged | Plugged |
| 06/17/15 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | Plugged | Plugged | Plugged | Plugged |
| 08/27/15 | 24.15 | 1034.20 | 30.08 | 1029.05 | NT | NT | 26.30 | 1034.76 | 40.50 | DRY | 40.69 | 1013.42 | Plugged | Plugged | Plugged | Plugged |
| 03/03/16 | 25.50 | 1032.85 | 31.13 | 1028.00 | NT | NT | 25.60 | 1035.46 | 40.50 | DRY | 39.70 | 1014.41 | Plugged | Plugged | Plugged | Plugged |
| 09/20/16 | 24.86 | 1033.49 | 20.67 | 1028.34 | NT | NT | 26.30 | 1034.76 | 40.50 | DRY | 44.84 | 1009.27 | Plugged | Plugged | Plugged | Plugged |
| 03/09/17 | 25.49 | 1032.86 | 20.53 | 1028.48 | NT | NT | 25.84 | 1035.22 | 40.50 | DRY | 45.50 | 1008.61 | Plugged | Plugged | Plugged | Plugged |
| 09/14/17 | NR | NR | NR | NR | NT | NT | 26.00 | 1035.06 | 40.50 | DRY | 45.98 | 1008.13 | Plugged | Plugged | Plugged | Plugged |
| 11/15/17 | 26.26 | 1031.28 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | Plugged | Plugged | Plugged | Plugged |
| 12/13/17 | 26.10 | 1031.44 | NR | NR | NT | NT | NT | NT | NT | NT | NT | NT | Plugged | Plugged | Plugged | Plugged |
| 03/12/18 | 26.05 | 1031.49 | NR | NR | NT | NT | 26.10 | 1034.96 | 40.70 | DRY | 45.60 | 1008.51 | Plugged | Plugged | Plugged | Plugged |
| 09/10/18 | 25.59 | 1031.95 | NR | NR | NT | NT | 25.83 | 1035.23 | 40.50 | DRY | 41.55 | 1012.56 | Plugged | Plugged | Plugged | Plugged |
| 03/26/19 | 25.61 | 1031.93 | NR | NR | NT | NT | 25.63 | 1035.43 | 40.28 | DRY | 36.42 | 1017.69 | Plugged | Plugged | Plugged | Plugged |
| 09/16/19 | 25.63 | 1031.91 | NR | NR | NT | NT | 25.84 | 1035.22 | 40.73 | DRY | 45.90 | 1008.21 | Plugged | Plugged | Plugged | Plugged |
| 03/24/20 | 25.47 | 1032.07 | NR | NR | NT | NT | 25.45 | 1035.61 | 39.70 | 1021.52 | 45.90 | 1008.21 | Plugged | Plugged | Plugged | Plugged |
| 09/02/20 | 25.89 | 1031.65 | NR | NR | NT | NT | 25.92 | 1035.14 | 40.73 | DRY | 46.71 | 1007.40 | Plugged | Plugged | Plugged | Plugged |
| 03/08/21 | 25.75 | 1031.79 | NR | NR | NT | NT | 25.61 | 1035.45 | 40.54 | 1020.68 | 44.95 | 1009.16 | Plugged | Plugged | Plugged | Plugged |
| 09/14/21 | 25.99 | 1031.55 | NR | NR | NT | NT | 26.22 | 1034.84 | 40.73 | DRY | 47.01 | 1007.10 | Plugged | Plugged | Plugged | Plugged |
| 03/28/22 | 25.60 | 1031.94 | NR | NR | NT | NT | 25.54 | 1035.52 | 40.55 | 1020.67 | 45.35 | 1008.76 | Plugged | Plugged | Plugged | Plugged |
| 09/13/22 | 25.62 | 1031.92 | NR | NR | NT | NT | 26.19 | 1034.87 | 40.73 | DRY | 45.65 | 1008.46 | Plugged | Plugged | Plugged | Plugged |
| 03/23/23 | 25.59 | 1031.95 | NR | NR | NT | NT | 25.55 | 1035.51 | 40.50 | 1020.72 | 43.14 | 1010.97 | Plugged | Plugged | Plugged | Plugged |
| 09/05/23 | 25.65 | 1031.89 | NR | NR | NT | NT | 26.20 | 1034.86 | 40.73 | DRY | 46.42 | 1007.69 | Plugged | Plugged | Plugged | Plugged |
| 03/06/24 | 25.70 | 1031.84 | NR | NR | NT | NT | 25.95 | 1035.11 | 40.66 | 1020.56 | 45.55 | 1008.56 | Plugged | Plugged | Plugged | Plugged |
| 09/18/24 | 25.64 | 1031.90 | NR | NR | NT | NT | 25.94 | 1035.12 | 40.62 | 1020.60 | 45.05 | 1009.06 | Plugged | Plugged | Plugged | Plugged |
| 03/11/25 | 25.61 | 1031.93 | NR | NR | NT | NT | 25.18 | 1035.88 | 40.55 | 1020.67 | 45.08 | 1009.03 | Plugged | Plugged | Plugged | Plugged |
| 09/04/25 | 25.63 | 1031.91 | NR | NR | NT | NT | 25.61 | 1035.45 | 40.55 | 1020.67 | 41.68 | 1012.43 | Plugged | Plugged | Plugged | Plugged |

Table 4A
Water Elevation Data
Annual Water Quality Report
South Central Iowa Landfill
61-SDP-1-78P

| Well/TOC | MW-13 | 1051.87 | MW-14 | 1057.50 | MW-14A | 1057.47 | MW-14B | 1057.82 | MW-14C | 1057.50 | MW-14D | 1057.28 | MW-15<br>**MW-15R** | 1049.40<br>**1051.77** | MW-16 | 1056.50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Water Depth | Water Elevation | Water Depth | Water Elevation | | | | | | | | | Water Depth | Water Elevation | Water Depth | Water Elevation |
| 10/06/93 | | | | | | | | | | | | | | | | |
| 11/30/93 | | | | | | | | | | | | | | | | |
| 01/21/94 | | | | | | | | | | | | | | | | |
| 03/23/94 | | | | | | | | | | | | | | | | |
| 05/10/94 | | | | | | | | | | | | | | | | |
| 08/31/94 | | | | | | | | | | | | | | | | |
| 10/28/94 | | | | | | | | | | | | | | | | |
| 02/15/01 | | | | | | | | | | | | | | | | |
| 04/18/01 | | | | | | | | | | | | | | | | |
| 06/15/01 | | | | | | | | | | | | | | | | |
| 08/15/01 | | | | | | | | | | | | | | | | |
| 01/06/03 | | | | | | | | | | | | | | | | |
| 02/12/03 | | | | | | | | | | | | | | | | |
| 03/11/03 | | | | | | | | | | | | | | | | |
| 04/10/03 | | | | | | | | | | | | | | | | |
| 05/13/03 | | | | | | | | | | | | | | | | |
| 06/29/03 | | | | | | | | | | | | | | | | |
| 07/08/03 | | | | | | | | | | | | | | | | |
| 08/11/03 | | | | | | | | | | | | | | | | |
| 09/02/03 | | | | | | | | | | | | | | | | |
| 10/15/03 | | | | | | | | | | | | | | | | |
| 11/14/03 | | | | | | | | | | | | | | | | |
| 01/23/04 | | | | | | | | | | | | | | | | |
| 02/26/04 | | | | | | | | | | | | | | | | |
| 03/01/04 | | | | | | | | | | | | | | | | |
| 04/16/04 | | | | | | | | | | | | | | | | |
| 05/13/04 | | | | | | | | | | | | | | | | |
| 06/24/04 | | | | | | | | | | | | | | | | |
| 07/25/04 | | | | | | | | | | | | | | | | |
| 08/29/04 | | | | | | | | | | | | | | | | |
| 09/20/04 | | | | | | | | | | | | | | | | |
| 10/26/04 | | | | | | | | | | | | | | | | |
| 01/12/05 | | | | | | | | | | | | | | | | |
| 02/23/05 | | | | | | | | | | | | | | | | |
| 03/08/05 | | | | | | | | | | | | | | | | |
| 04/26/05 | | | | | | | | | | | | | | | | |
| 05/20/05 | | | | | | | | | | | | | | | | |
| 06/17/05 | | | | | | | | | | | | | | | | |
| 07/14/05 | | | | | | | | | | | | | | | | |
| 08/03/05 | | | | | | | | | | | | | | | | |
| 09/20/05 | | | | | | | | | | | | | | | | |
| 10/06/05 | | | | | | | | | | | | | | | | |
| 11/10/05 | | | | | | | | | | | | | | | | |
| 12/06/05 | | | | | | | | | | | | | | | | |
| 01/11/06 | | | | | | | | | | | | | | | | |
| 02/13/06 | | | | | | | | | | | | | | | | |
| 03/15/06 | | | | | | | | | | | | | | | | |
| 04/06/06 | | | | | | | | | | | | | | | | |
| 05/02/06 | | | | | | | | | | | | | | | | |
| 06/05/06 | | | | | | | | | | | | | | | | |
| 07/10/06 | | | | | | | | | | | | | | | | |
| 08/08/06 | | | | | | | | | | | | | | | | |
| 09/11/06 | | | | | | | | | | | | | | | | |
| 10/18/06 | | | | | | | | | | | | | | | | |
| 12/06/06 | | | | | | | | | | | | | | | | |
| 01/05/07 | | | | | | | | | | | | | | | | |
| 02/08/07 | | | | | | | | | | | | | | | | |
| 03/15/07 | | | | | | | | | | | | | | | | |
| 04/07/07 | | | | | | | | | | | | | | | | |
| 05/16/07 | | | | | | | | | | | | | | | | |
| 06/26/07 | | | | | | | | | | | | | | | | |
| 07/17/07 | | | | | | | | | | | | | | | | |
| 08/02/07 | | | | | | | | | | | | | | | | |
| 09/04/07 | | | | | | | | | | | | | | | | |
| 10/16/07 | | | | | | | | | | | | | | | | |
| 03/24/08 | | | | | | | | | | | | | | | | |
| 05/30/08 | | | | | | | | | | | | | | | | |
| 07/17/08 | | | | | | | | | | | | | | | | |
| 09/11/08 | | | | | | | | | | | | | | | | |
| 12/20/08 | | | | | | | | | | | | | | | | |
| 04/22/08 | | | | | | | | | | | | | | | | |
| 10/30/09 | 12.90 | 1038.97 | 25.00 | 1032.50 | | | | | | | | | 9.38 | 1040.02 | 80.10 | 976.40 |
| 01/27/10 | NT | NT | 24.75 | 1032.75 | | | | | | | | | 10.50 | 1038.90 | 80.30 | 976.20 |
| 03/19/10 | NT | NT | 24.10 | 1033.40 | | | | | | | | | 9.80 | 1039.60 | 80.05 | 976.45 |
| 06/17/10 | NT | NT | 24.55 | 1032.95 | | | | | | | | | 9.75 | 1039.65 | 79.90 | 976.60 |
| 09/14/10 | 13.95 | 1037.92 | 24.70 | 1032.80 | | | | | | | | | 12.00 | 1037.40 | 79.85 | 976.65 |
| 03/14/11 | 15.20 | 1036.67 | 24.70 | 1032.80 | | | | | | | | | 11.20 | 1038.20 | 79.80 | 976.70 |
| 09/26/11 | 15.73 | 1036.14 | 25.45 | 1032.05 | | | | | | | | | 12.50 | 1036.90 | 79.62 | 976.88 |
| 03/13/12 | 14.30 | 1037.57 | 24.95 | 1032.55 | | | | | | | | | 11.25 | 1038.15 | 79.90 | 976.60 |
| 09/19/12 | 17.50 | 1034.37 | 25.70 | 1031.80 | | | | | | | | | 13.90 | 1035.50 | Plugged | Plugged |
| 03/25/13 | 13.90 | 1037.97 | 25.25 | 1032.25 | | | | | | | | | 10.70 | 1038.70 | Plugged | Plugged |
| 09/19/13 | 16.25 | 1035.62 | 25.75 | 1031.75 | | | | | | | | | 11.45 | 1037.95 | Plugged | Plugged |
| 03/28/14 | 17.65 | 1034.22 | 25.75 | 1031.75 | | | | | | | | | 13.05 | 1036.35 | Plugged | Plugged |
| 09/23/14 | 12.30 | 1039.57 | Plugged | Plugged | 19.85 | DRY | 25.60 | 1032.22 | 27.80 | 1029.70 | 62.64 | 994.64 | 9.90 | 1039.50 | Plugged | Plugged |
| 12/02/14 | NT | NT | Plugged | Plugged | NT | NT | NT | NT | NT | NT | 61.35 | 995.93 | NT | NT | Plugged | Plugged |
| 03/19/15 | 17.05 | 1034.82 | Plugged | Plugged | 20.00 | DRY | 25.80 | 1032.02 | 24.45 | 1033.05 | 57.82 | 999.46 | 13.35 | 1036.05 | Plugged | Plugged |
| 06/17/15 | NT | NT | Plugged | Plugged | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | Plugged | Plugged |
| 08/27/15 | 12.92 | 1038.95 | Plugged | Plugged | 20.00 | DRY | 24.90 | 1032.92 | 28.09 | 1029.41 | 54.80 | 1002.48 | 10.37 | 1039.03 | Plugged | Plugged |
| 03/03/16 | 13.15 | 1038.72 | Plugged | Plugged | 20.00 | DRY | 24.47 | 1033.35 | 27.90 | 1029.60 | 49.65 | 1007.63 | 12.28 | 1037.12 | Plugged | Plugged |
| 09/20/16 | 13.87 | 1038.00 | Plugged | Plugged | 20.00 | DRY | 24.56 | 1033.26 | 26.41 | 1031.09 | 56.14 | 1001.14 | 11.95 | 1037.45 | Plugged | Plugged |
| 03/09/17 | 13.22 | 1038.65 | Plugged | Plugged | 20.00 | DRY | 24.87 | 1032.95 | 26.23 | 1031.27 | 51.51 | 1005.77 | 11.81 | 1037.59 | Plugged | Plugged |
| 09/14/17 | 16.64 | 1035.23 | Plugged | Plugged | 20.00 | DRY | 25.05 | 1032.77 | 26.51 | 1030.99 | 48.40 | 1008.88 | 13.50 | 1035.90 | Plugged | Plugged |
| 11/15/17 | NT | NT | Plugged | Plugged | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | Plugged | Plugged |
| 12/13/17 | NT | NT | Plugged | Plugged | NT | NT | NT | NT | NT | NT | NT | NT | 13.10 | 1036.30 | Plugged | Plugged |
| 03/12/18 | 16.11 | 1035.76 | Plugged | Plugged | 20.25 | DRY | 25.08 | 1032.74 | 26.80 | 1030.70 | 59.55 | 997.73 | 12.90 | 1036.50 | Plugged | Plugged |
| 09/10/18 | 13.31 | 1038.56 | Plugged | Plugged | 20.25 | DRY | 24.64 | 1033.18 | 26.87 | 1030.63 | 60.75 | 996.53 | NR | NR | Plugged | Plugged |
| 03/26/19 | 13.75 | 1038.12 | Plugged | Plugged | 20.20 | DRY | 24.70 | 1033.12 | 26.96 | 1030.54 | 56.05 | 1001.23 | 13.71 | 1038.06 | Plugged | Plugged |
| 09/16/19 | 14.57 | 1037.30 | Plugged | Plugged | 20.25 | DRY | 24.79 | 1033.03 | 27.10 | 1030.40 | 53.40 | 1003.88 | 14.14 | 1037.63 | Plugged | Plugged |
| 03/24/20 | 13.57 | 1038.30 | Plugged | Plugged | 20.25 | DRY | 23.65 | 1034.17 | 27.22 | 1030.28 | 50.64 | 1006.64 | 11.61 | 1040.16 | Plugged | Plugged |
| 09/02/20 | 16.00 | 1035.87 | Plugged | Plugged | 20.25 | DRY | 24.92 | 1032.90 | 27.45 | 1030.05 | 57.68 | 999.60 | 14.80 | 1036.97 | Plugged | Plugged |
| 03/08/21 | 13.62 | 1038.25 | Plugged | Plugged | 20.25 | DRY | 25.03 | 1032.79 | 27.58 | 1029.92 | 56.78 | 1000.50 | 13.71 | 1038.06 | Plugged | Plugged |
| 09/14/21 | 15.64 | 1036.23 | Plugged | Plugged | 20.25 | DRY | 25.14 | 1032.68 | 27.81 | 1029.69 | 55.63 | 1001.65 | 14.41 | 1037.36 | Plugged | Plugged |
| 03/28/22 | 19.30 | 1032.57 | Plugged | Plugged | 20.05 | DRY | 25.18 | 1032.64 | 27.98 | 1029.52 | 52.50 | 1004.78 | 13.38 | 1038.39 | Plugged | Plugged |
| 09/13/22 | 21.49 | 1030.38 | Plugged | Plugged | 20.05 | DRY | 24.87 | 1032.95 | 28.15 | 1029.35 | 59.70 | 997.58 | 14.49 | 1037.28 | Plugged | Plugged |
| 03/23/23 | 20.94 | 1030.93 | Plugged | Plugged | 20.05 | DRY | 24.84 | 1032.98 | 28.22 | 1029.28 | 55.68 | 1001.60 | 12.74 | 1039.03 | Plugged | Plugged |
| 09/05/23 | 21.75 | 1030.12 | Plugged | Plugged | 20.01 | 1037.46 | 25.00 | 1032.82 | 28.35 | 1029.15 | 53.65 | 1003.63 | 14.64 | 1037.13 | Plugged | Plugged |
| 03/06/24 | 22.02 | 1029.85 | Plugged | Plugged | 20.04 | 1037.43 | 25.15 | 1032.67 | 28.45 | 1029.05 | 52.02 | 1005.26 | 14.83 | 1036.94 | Plugged | Plugged |
| 09/18/24 | 22.46 | 1029.41 | Plugged | Plugged | 19.95 | 1037.52 | 24.82 | 1033.00 | 28.49 | 1029.01 | 59.26 | 998.02 | 13.91 | 1037.86 | Plugged | Plugged |
| 03/11/25 | 22.65 | 1029.22 | Plugged | Plugged | 20.00 | 1037.47 | 25.02 | 1032.80 | 28.45 | 1029.05 | 56.92 | 1000.36 | 13.62 | 1038.15 | Plugged | Plugged |
| 09/04/25 | NR | NR | Plugged | Plugged | 20.05 | 1037.42 | 24.60 | 1033.22 | 28.45 | 1029.05 | 55.21 | 1002.07 | 13.28 | 1038.49 | Plugged | Plugged |

Table 4A
Water Elevation Data
Annual Water Quality Report
South Central Iowa Landfill
61-SDP-1-78P

| Well/TOC | MW-17 | 1057.66 | MW-17R | 1058.27 | MW-18 | 1062.45 | MW-19 | 1046.40 | MW-20 | 1054.56 | MW-21 | 993.90 | MW-22 | 1055.49 | MW-22B | 1056.13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Water Depth | Water Elevation | | | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | | |
| 10/06/93 | | | | | | | | | | | | | | | | |
| 11/30/93 | | | | | | | | | | | | | | | | |
| 01/21/94 | | | | | | | | | | | | | | | | |
| 03/23/94 | | | | | | | | | | | | | | | | |
| 05/10/94 | | | | | | | | | | | | | | | | |
| 08/31/94 | | | | | | | | | | | | | | | | |
| 10/28/94 | | | | | | | | | | | | | | | | |
| 02/15/01 | | | | | | | | | | | | | | | | |
| 04/18/01 | | | | | | | | | | | | | | | | |
| 06/15/01 | | | | | | | | | | | | | | | | |
| 08/15/01 | | | | | | | | | | | | | | | | |
| 01/06/03 | | | | | | | | | | | | | | | | |
| 02/12/03 | | | | | | | | | | | | | | | | |
| 03/11/03 | | | | | | | | | | | | | | | | |
| 04/10/03 | | | | | | | | | | | | | | | | |
| 05/13/03 | | | | | | | | | | | | | | | | |
| 06/29/03 | | | | | | | | | | | | | | | | |
| 07/08/03 | | | | | | | | | | | | | | | | |
| 08/11/03 | | | | | | | | | | | | | | | | |
| 09/02/03 | | | | | | | | | | | | | | | | |
| 10/15/03 | | | | | | | | | | | | | | | | |
| 11/14/03 | | | | | | | | | | | | | | | | |
| 01/23/04 | | | | | | | | | | | | | | | | |
| 02/26/04 | | | | | | | | | | | | | | | | |
| 03/01/04 | | | | | | | | | | | | | | | | |
| 04/16/04 | | | | | | | | | | | | | | | | |
| 05/13/04 | | | | | | | | | | | | | | | | |
| 06/24/04 | | | | | | | | | | | | | | | | |
| 07/25/04 | | | | | | | | | | | | | | | | |
| 08/29/04 | | | | | | | | | | | | | | | | |
| 09/20/04 | | | | | | | | | | | | | | | | |
| 10/26/04 | | | | | | | | | | | | | | | | |
| 01/12/05 | | | | | | | | | | | | | | | | |
| 02/23/05 | | | | | | | | | | | | | | | | |
| 03/08/05 | | | | | | | | | | | | | | | | |
| 04/26/05 | | | | | | | | | | | | | | | | |
| 05/20/05 | | | | | | | | | | | | | | | | |
| 06/17/05 | | | | | | | | | | | | | | | | |
| 07/14/05 | | | | | | | | | | | | | | | | |
| 08/03/05 | | | | | | | | | | | | | | | | |
| 09/20/05 | | | | | | | | | | | | | | | | |
| 10/06/05 | | | | | | | | | | | | | | | | |
| 11/10/05 | | | | | | | | | | | | | | | | |
| 12/06/05 | | | | | | | | | | | | | | | | |
| 01/11/06 | | | | | | | | | | | | | | | | |
| 02/13/06 | | | | | | | | | | | | | | | | |
| 03/15/06 | | | | | | | | | | | | | | | | |
| 04/06/06 | | | | | | | | | | | | | | | | |
| 05/02/06 | | | | | | | | | | | | | | | | |
| 06/05/06 | | | | | | | | | | | | | | | | |
| 07/10/06 | | | | | | | | | | | | | | | | |
| 08/08/06 | | | | | | | | | | | | | | | | |
| 09/11/06 | | | | | | | | | | | | | | | | |
| 10/18/06 | | | | | | | | | | | | | | | | |
| 12/06/06 | | | | | | | | | | | | | | | | |
| 01/05/07 | | | | | | | | | | | | | | | | |
| 02/08/07 | | | | | | | | | | | | | | | | |
| 03/15/07 | | | | | | | | | | | | | | | | |
| 04/07/07 | | | | | | | | | | | | | | | | |
| 05/16/07 | | | | | | | | | | | | | | | | |
| 06/26/07 | | | | | | | | | | | | | | | | |
| 07/17/07 | | | | | | | | | | | | | | | | |
| 08/02/07 | | | | | | | | | | | | | | | | |
| 09/04/07 | | | | | | | | | | | | | | | | |
| 10/16/07 | | | | | | | | | | | | | | | | |
| 03/24/08 | | | | | | | | | | | | | | | | |
| 05/30/08 | | | | | | | | | | | | | | | | |
| 07/17/08 | | | | | | | | | | | | | | | | |
| 09/11/08 | | | | | | | | | | | | | | | | |
| 12/20/08 | | | | | | | | | | | | | | | | |
| 04/22/08 | | | | | | | | | | | | | | | | |
| 10/30/09 | 46.40 | 1011.26 | | | 15.90 | 1046.55 | 5.30 | 1041.10 | | | | | | | | |
| 01/27/10 | 55.00 | 1002.66 | | | 14.30 | 1048.15 | 5.50 | 1040.90 | | | | | | | | |
| 03/19/10 | 38.20 | 1019.46 | | | 13.30 | 1049.15 | 5.00 | 1041.40 | | | | | | | | |
| 06/17/10 | 37.00 | 1020.66 | | | 14.80 | 1047.65 | 5.50 | 1040.90 | | | | | | | | |
| 09/14/10 | 46.90 | 1010.76 | | | 15.30 | 1047.15 | 6.60 | 1039.80 | | | | | | | | |
| 03/14/11 | 47.80 | 1009.86 | | | 18.30 | 1044.15 | 5.60 | 1040.80 | 20.90 | 1033.66 | | | | | | |
| 09/26/11 | 47.80 | 1009.86 | | | 17.00 | 1045.45 | 7.60 | 1038.80 | 22.90 | 1031.66 | | | | | | |
| 03/13/12 | 47.05 | 1010.61 | | | 16.60 | 1045.85 | 5.90 | 1040.50 | 22.45 | 1032.11 | | | | | | |
| 09/19/12 | 49.70 | 1007.96 | | | 19.17 | 1043.28 | 7.80 | 1038.60 | 23.20 | 1031.36 | 36.50 | 957.40 | | | | |
| 03/25/13 | 46.90 | 1010.76 | | | 18.20 | 1044.25 | 5.60 | 1040.80 | 22.25 | 1032.31 | 32.35 | 961.55 | | | | |
| 09/19/13 | 48.60 | 1009.06 | | | 19.60 | 1042.85 | 7.45 | 1038.95 | 22.90 | 1031.66 | 29.25 | 964.65 | 15.55 | 1039.94 | | |
| 03/28/14 | 48.30 | 1009.36 | | | 18.95 | 1043.50 | 6.15 | 1040.25 | 23.20 | 1031.36 | 31.35 | 962.55 | 19.60 | 1035.89 | | |
| 09/23/14 | 43.18 | 1014.48 | 43.80 | 1014.47 | 18.00 | 1044.45 | 5.65 | 1040.75 | 21.90 | 1032.66 | 25.81 | 968.09 | Plugged | Plugged | 32.70 | 1023.43 |
| 12/02/14 | NT | NT | NT | NT | 17.50 | 1044.95 | NT | NT | NT | NT | NT | NT | Plugged | Plugged | NT | NT |
| 03/19/15 | 47.50 | 1010.16 | 48.03 | 1010.24 | 18.15 | 1044.30 | 5.90 | 1040.50 | NT | NT | 33.25 | 960.65 | Plugged | Plugged | 24.90 | 1031.23 |
| 06/17/15 | NT | NT | NT | NT | 16.81 | 1045.64 | 5.55 | 1040.85 | NT | NT | NT | NT | Plugged | Plugged | 24.75 | 1031.38 |
| 08/27/15 | 44.10 | 1013.56 | 44.67 | 1013.60 | 16.70 | 1045.75 | 5.17 | 1041.23 | 23.18 | 1031.38 | 25.46 | 968.44 | Plugged | Plugged | 22.70 | 1033.43 |
| 03/03/16 | 43.20 | 1014.46 | 43.75 | 1014.52 | 16.55 | 1045.90 | 5.35 | 1041.05 | Plugged | Plugged | 24.25 | 969.65 | Plugged | Plugged | 18.75 | 1037.38 |
| 09/20/16 | 46.44 | 1011.22 | 46.58 | 1011.69 | 18.22 | 1044.23 | 5.32 | 1041.08 | Plugged | Plugged | 29.11 | 964.79 | Plugged | Plugged | 22.45 | 1033.68 |
| 03/09/17 | 47.50 | 1010.16 | 48.01 | 1010.26 | 17.86 | 1044.59 | 5.85 | 1040.55 | Plugged | Plugged | 31.58 | 962.32 | Plugged | Plugged | 18.37 | 1037.76 |
| 09/14/17 | 47.38 | 1010.28 | 48.91 | 1009.36 | 21.00 | 1041.45 | 7.50 | 1038.90 | Plugged | Plugged | 29.91 | 963.99 | Plugged | Plugged | 18.30 | 1037.83 |
| 11/15/17 | NT | NT | NT | NT | 19.28 | 1043.17 | NT | NT | Plugged | Plugged | NT | NT | Plugged | Plugged | NT | NT |
| 12/13/17 | NT | NT | 48.25 | 1010.02 | 19.17 | 1043.28 | NT | NT | Plugged | Plugged | NT | NT | Plugged | Plugged | NT | NT |
| 03/12/18 | 47.13 | 1010.53 | 47.70 | 1010.57 | 19.54 | 1042.91 | 5.40 | 1041.00 | Plugged | Plugged | 29.54 | 964.36 | Plugged | Plugged | 17.60 | 1038.53 |
| 09/10/18 | 42.40 | 1015.26 | 42.98 | 1015.29 | 19.12 | 1043.33 | 5.14 | 1041.26 | Plugged | Plugged | 24.50 | 969.40 | Plugged | Plugged | 17.97 | 1038.16 |
| 03/26/19 | 39.68 | 1017.98 | 40.25 | 1018.02 | 18.53 | 1043.92 | 5.55 | 1040.85 | Plugged | Plugged | 23.55 | 970.35 | Plugged | Plugged | 16.77 | 1039.36 |
| 09/16/19 | 47.07 | 1010.59 | 47.62 | 1010.65 | 19.75 | 1042.70 | 4.62 | 1041.78 | Plugged | Plugged | 26.42 | 967.48 | Plugged | Plugged | 17.29 | 1038.84 |
| 03/24/20 | 41.06 | 1016.60 | 41.60 | 1016.67 | 17.95 | 1044.50 | 5.05 | 1041.35 | Plugged | Plugged | 23.73 | 970.17 | Plugged | Plugged | 16.71 | 1039.42 |
| 09/02/20 | 48.55 | 1009.11 | 49.13 | 1009.14 | 20.10 | 1042.35 | 7.09 | 1039.31 | Plugged | Plugged | 28.75 | 965.15 | Plugged | Plugged | 17.19 | 1038.94 |
| 03/08/21 | 46.71 | 1010.95 | 47.32 | 1010.95 | 18.89 | 1043.56 | 4.13 | 1042.27 | Plugged | Plugged | 24.06 | 969.84 | Plugged | Plugged | 16.94 | 1039.19 |
| 09/14/21 | 48.60 | 1009.06 | 49.22 | 1009.05 | 20.74 | 1041.71 | 6.75 | 1039.65 | Plugged | Plugged | 25.97 | 967.93 | Plugged | Plugged | 17.38 | 1038.75 |
| 03/28/22 | 47.98 | 1009.68 | 48.54 | 1009.73 | 20.37 | 1042.08 | 4.35 | 1042.05 | Plugged | Plugged | 26.96 | 966.94 | Plugged | Plugged | 18.52 | 1037.61 |
| 09/13/22 | 48.50 | 1009.16 | 49.11 | 1009.16 | 20.86 | 1041.59 | 8.48 | 1037.92 | Plugged | Plugged | 27.67 | 966.23 | Plugged | Plugged | 20.00 | 1036.13 |
| 03/23/23 | 46.30 | 1011.36 | 46.88 | 1011.39 | 20.30 | 1042.15 | 5.88 | 1040.52 | Plugged | Plugged | 25.96 | 967.94 | Plugged | Plugged | 20.71 | 1035.42 |
| 09/05/23 | 49.02 | 1008.64 | 50.00 | 1008.27 | 21.50 | 1040.95 | 9.21 | 1037.19 | Plugged | Plugged | 31.50 | 962.40 | Plugged | Plugged | 20.90 | 1035.23 |
| 03/06/24 | 47.87 | 1009.79 | 48.45 | 1009.82 | 22.16 | 1040.29 | 8.45 | 1037.95 | Plugged | Plugged | 34.92 | 958.98 | Plugged | Plugged | 20.24 | 1035.89 |
| 09/18/24 | 47.40 | 1010.26 | 47.96 | 1010.31 | 22.21 | 1040.24 | 8.51 | 1037.89 | Plugged | Plugged | 26.80 | 967.10 | Plugged | Plugged | 18.67 | 1037.46 |
| 03/11/25 | 47.72 | 1009.94 | 48.30 | 1009.97 | 21.62 | 1040.83 | 6.50 | 1039.90 | Plugged | Plugged | 27.22 | 966.68 | Plugged | Plugged | 19.90 | 1036.23 |
| 09/04/25 | 45.22 | 1012.44 | 45.75 | 1012.52 | 21.05 | 1041.40 | 7.99 | 1038.41 | Plugged | Plugged | 25.45 | 968.45 | Plugged | Plugged | 18.96 | 1037.17 |

Table 4A
Water Elevation Data
Annual Water Quality Report
South Central Iowa Landfill
61-SDP-1-78P

| Well/TOC | MW-23 | 1049.36 | MW-23B | 1049.59 | TMW-24A | 1040.18<br>1027.88 | MW-24B | 1041.16<br>1030.16 | MW-24C | 1040.94<br>1030.24 | MW-24D | 1040.67<br>1030.47 | MW-25 | 1041.55 | MW-26 | 1039.07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Water Depth | Water Elevation | | | Water Depth | Water Elevation | | | | | | | Water Depth | Water Elevation | Water Depth | Water Elevation |
| 10/06/93 | | | | | | | | | | | | | | | | |
| 11/30/93 | | | | | | | | | | | | | | | | |
| 01/21/94 | | | | | | | | | | | | | | | | |
| 03/23/94 | | | | | | | | | | | | | | | | |
| 05/10/94 | | | | | | | | | | | | | | | | |
| 08/31/94 | | | | | | | | | | | | | | | | |
| 10/28/94 | | | | | | | | | | | | | | | | |
| 02/15/01 | | | | | | | | | | | | | | | | |
| 04/18/01 | | | | | | | | | | | | | | | | |
| 06/15/01 | | | | | | | | | | | | | | | | |
| 08/15/01 | | | | | | | | | | | | | | | | |
| 01/06/03 | | | | | | | | | | | | | | | | |
| 02/12/03 | | | | | | | | | | | | | | | | |
| 03/11/03 | | | | | | | | | | | | | | | | |
| 04/10/03 | | | | | | | | | | | | | | | | |
| 05/13/03 | | | | | | | | | | | | | | | | |
| 06/29/03 | | | | | | | | | | | | | | | | |
| 07/08/03 | | | | | | | | | | | | | | | | |
| 08/11/03 | | | | | | | | | | | | | | | | |
| 09/02/03 | | | | | | | | | | | | | | | | |
| 10/15/03 | | | | | | | | | | | | | | | | |
| 11/14/03 | | | | | | | | | | | | | | | | |
| 01/23/04 | | | | | | | | | | | | | | | | |
| 02/26/04 | | | | | | | | | | | | | | | | |
| 03/01/04 | | | | | | | | | | | | | | | | |
| 04/16/04 | | | | | | | | | | | | | | | | |
| 05/13/04 | | | | | | | | | | | | | | | | |
| 06/24/04 | | | | | | | | | | | | | | | | |
| 07/25/04 | | | | | | | | | | | | | | | | |
| 08/29/04 | | | | | | | | | | | | | | | | |
| 09/20/04 | | | | | | | | | | | | | | | | |
| 10/26/04 | | | | | | | | | | | | | | | | |
| 01/12/05 | | | | | | | | | | | | | | | | |
| 02/23/05 | | | | | | | | | | | | | | | | |
| 03/08/05 | | | | | | | | | | | | | | | | |
| 04/26/05 | | | | | | | | | | | | | | | | |
| 05/20/05 | | | | | | | | | | | | | | | | |
| 06/17/05 | | | | | | | | | | | | | | | | |
| 07/14/05 | | | | | | | | | | | | | | | | |
| 08/03/05 | | | | | | | | | | | | | | | | |
| 09/20/05 | | | | | | | | | | | | | | | | |
| 10/06/05 | | | | | | | | | | | | | | | | |
| 11/10/05 | | | | | | | | | | | | | | | | |
| 12/06/05 | | | | | | | | | | | | | | | | |
| 01/11/06 | | | | | | | | | | | | | | | | |
| 02/13/06 | | | | | | | | | | | | | | | | |
| 03/15/06 | | | | | | | | | | | | | | | | |
| 04/06/06 | | | | | | | | | | | | | | | | |
| 05/02/06 | | | | | | | | | | | | | | | | |
| 06/05/06 | | | | | | | | | | | | | | | | |
| 07/10/06 | | | | | | | | | | | | | | | | |
| 08/08/06 | | | | | | | | | | | | | | | | |
| 09/11/06 | | | | | | | | | | | | | | | | |
| 10/18/06 | | | | | | | | | | | | | | | | |
| 12/06/06 | | | | | | | | | | | | | | | | |
| 01/05/07 | | | | | | | | | | | | | | | | |
| 02/08/07 | | | | | | | | | | | | | | | | |
| 03/15/07 | | | | | | | | | | | | | | | | |
| 04/07/07 | | | | | | | | | | | | | | | | |
| 05/16/07 | | | | | | | | | | | | | | | | |
| 06/26/07 | | | | | | | | | | | | | | | | |
| 07/17/07 | | | | | | | | | | | | | | | | |
| 08/02/07 | | | | | | | | | | | | | | | | |
| 09/04/07 | | | | | | | | | | | | | | | | |
| 10/16/07 | | | | | | | | | | | | | | | | |
| 03/24/08 | | | | | | | | | | | | | | | | |
| 05/30/08 | | | | | | | | | | | | | | | | |
| 07/17/08 | | | | | | | | | | | | | | | | |
| 09/11/08 | | | | | | | | | | | | | | | | |
| 12/20/08 | | | | | | | | | | | | | | | | |
| 04/22/08 | | | | | | | | | | | | | | | | |
| 10/30/09 | | | | | | | | | | | | | | | | |
| 01/27/10 | | | | | | | | | | | | | | | | |
| 03/19/10 | | | | | | | | | | | | | | | | |
| 06/17/10 | | | | | | | | | | | | | | | | |
| 09/14/10 | | | | | | | | | | | | | | | | |
| 03/14/11 | | | | | | | | | | | | | | | | |
| 09/26/11 | | | | | | | | | | | | | | | | |
| 03/13/12 | | | | | | | | | | | | | | | | |
| 09/19/12 | | | | | | | | | | | | | | | | |
| 03/25/13 | | | | | | | | | | | | | | | | |
| 09/19/13 | 28.50 | DRY | | | 13.00 | 1027.18 | | | | | | | 10.50 | 1031.05 | 12.75 | 1026.32 |
| 03/28/14 | 28.50 | DRY | | | 12.75 | 1027.43 | | | | | | | 10.55 | 1031.00 | 12.95 | 1026.12 |
| 09/23/14 | 28.50 | DRY | 23.45 | 1026.14 | 8.53 | 1031.65 | 21.60 | 1019.56 | 28.40 | 1012.54 | 44.30 | 996.37 | 9.56 | 1031.99 | 11.80 | 1027.27 |
| 12/02/14 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | 43.15 | 997.52 | NT | NT | NT | NT |
| 03/19/15 | 28.50 | DRY | 23.70 | 1025.89 | 12.16 | 1028.02 | 22.20 | 1018.96 | 25.90 | 1015.04 | 41.25 | 999.42 | NT | NT | NT | NT |
| 06/17/15 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 08/27/15 | 28.05 | 1021.31 | 22.65 | 1026.94 | 9.55 | 1030.63 | 21.84 | 1019.32 | 24.97 | 1015.97 | 39.62 | 1001.05 | 11.62 | 1029.93 | 11.70 | 1027.37 |
| 03/03/16 | 28.50 | DRY | 18.75 | 1030.84 | 3.75 | 1024.13 | 11.20 | 1018.96 | 14.65 | 1015.59 | 27.90 | 1002.57 | Removed | Removed | 13.88 | 1025.19 |
| 09/20/16 | 28.40 | 1020.96 | 22.80 | 1026.79 | Removed | Removed | 12.00 | 1018.16 | 14.90 | 1015.34 | 29.20 | 1001.27 | Removed | Removed | 13.18 | 1025.89 |
| 03/09/17 | 20.80 | 1028.56 | 22.85 | 1026.74 | Removed | Removed | 10.90 | 1019.26 | 14.92 | 1015.32 | 26.56 | 1003.91 | Removed | Removed | NR | NR |
| 09/14/17 | 28.45 | 1020.91 | 23.41 | 1026.18 | Removed | Removed | 11.80 | 1018.36 | 15.10 | 1015.14 | 25.28 | 1005.19 | Removed | Removed | Removed | Removed |
| 11/15/17 | NT | NT | NT | NT | Removed | Removed | NT | NT | NT | NT | NT | NT | Removed | Removed | Removed | Removed |
| 12/13/17 | NT | NT | NT | NT | Removed | Removed | NT | NT | NT | NT | NT | NT | Removed | Removed | Removed | Removed |
| 03/12/18 | 28.25 | 1021.11 | 23.22 | 1026.37 | Removed | Removed | 10.98 | 1019.18 | 15.24 | 1015.00 | 24.21 | 1006.26 | Removed | Removed | Removed | Removed |
| 09/10/18 | 27.88 | 1021.48 | 22.37 | 1027.22 | Removed | Removed | 10.31 | 1019.85 | 15.02 | 1015.22 | 29.39 | 1001.08 | Removed | Removed | Removed | Removed |
| 03/26/19 | 27.85 | 1021.51 | 22.70 | 1026.89 | Removed | Removed | 10.31 | 1019.85 | 14.80 | 1015.44 | 27.15 | 1003.32 | Removed | Removed | Removed | Removed |
| 09/16/19 | broken | broken | 22.94 | 1026.65 | Removed | Removed | 10.50 | 1019.66 | 14.91 | 1015.33 | 25.61 | 1004.86 | Removed | Removed | Removed | Removed |
| 03/24/20 | broken | broken | 22.63 | 1026.96 | Removed | Removed | 10.27 | 1019.89 | 14.96 | 1015.28 | 24.31 | 1006.16 | Removed | Removed | Removed | Removed |
| 09/02/20 | broken | broken | 23.40 | 1026.19 | Removed | Removed | 11.12 | 1019.04 | 15.29 | 1014.95 | 24.05 | 1006.42 | Removed | Removed | Removed | Removed |
| 03/08/21 | broken | broken | 22.83 | 1026.76 | Removed | Removed | 10.42 | 1019.74 | 15.05 | 1015.19 | 22.96 | 1007.51 | Removed | Removed | Removed | Removed |
| 09/14/21 | Removed | Removed | 23.62 | 1025.97 | Removed | Removed | 10.79 | 1019.37 | 15.16 | 1015.08 | 22.93 | 1007.54 | Removed | Removed | Removed | Removed |
| 03/28/22 | Removed | Removed | 23.51 | 1026.08 | Removed | Removed | 10.41 | 1019.75 | 15.05 | 1015.19 | 26.42 | 1004.05 | Removed | Removed | Removed | Removed |
| 09/13/22 | Removed | Removed | 24.14 | 1025.45 | Removed | Removed | 10.55 | 1019.61 | 15.01 | 1015.23 | 25.23 | 1005.24 | Removed | Removed | Removed | Removed |
| 03/23/23 | Removed | Removed | 23.62 | 1025.97 | Removed | Removed | 10.20 | 1019.96 | 14.83 | 1015.41 | 24.02 | 1006.45 | Removed | Removed | Removed | Removed |
| 09/05/23 | Removed | Removed | 24.19 | 1025.40 | Removed | Removed | 11.15 | 1019.01 | 15.20 | 1015.04 | 23.95 | 1006.52 | Removed | Removed | Removed | Removed |
| 03/06/24 | Removed | Removed | 24.05 | 1025.54 | Removed | Removed | 10.64 | 1019.52 | 15.05 | 1015.19 | 23.25 | 1007.22 | Removed | Removed | Removed | Removed |
| 09/18/24 | Removed | Removed | 24.17 | 1025.42 | Removed | Removed | 10.86 | 1019.30 | 15.08 | 1015.16 | 21.34 | 1009.13 | Removed | Removed | Removed | Removed |
| 03/11/25 | Removed | Removed | 24.01 | 1025.58 | Removed | Removed | 10.06 | 1020.10 | 14.64 | 1015.60 | 21.52 | 1008.95 | Removed | Removed | Removed | Removed |
| 09/04/25 | Removed | Removed | 24.14 | 1025.45 | Removed | Removed | 10.35 | 1019.81 | 14.33 | 1015.91 | 22.09 | 1008.38 | Removed | Removed | Removed | Removed |

Table 4A
Water Elevation Data
Annual Water Quality Report
South Central Iowa Landfill
61-SDP-1-78P

| Well/TOC | MW-27 | 1000.47 | MW-28 | 1002.67 | MW-29 | 1042.62 | MW-30 | 1059.43 | MW-31 | 1060.84<br>1054.14 | MW-32 | 1056.82 | MW-33 | 1059.74 | PZ-118 | 1045.93 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation |
| 10/06/93 | | | | | | | | | | | | | | | | |
| 11/30/93 | | | | | | | | | | | | | | | | |
| 01/21/94 | | | | | | | | | | | | | | | | |
| 03/23/94 | | | | | | | | | | | | | | | | |
| 05/10/94 | | | | | | | | | | | | | | | | |
| 08/31/94 | | | | | | | | | | | | | | | | |
| 10/28/94 | | | | | | | | | | | | | | | | |
| 02/15/01 | | | | | | | | | | | | | | | | |
| 04/18/01 | | | | | | | | | | | | | | | | |
| 06/15/01 | | | | | | | | | | | | | | | | |
| 08/15/01 | | | | | | | | | | | | | | | | |
| 01/06/03 | | | | | | | | | | | | | | | | |
| 02/12/03 | | | | | | | | | | | | | | | | |
| 03/11/03 | | | | | | | | | | | | | | | | |
| 04/10/03 | | | | | | | | | | | | | | | | |
| 05/13/03 | | | | | | | | | | | | | | | | |
| 06/29/03 | | | | | | | | | | | | | | | | |
| 07/08/03 | | | | | | | | | | | | | | | | |
| 08/11/03 | | | | | | | | | | | | | | | | |
| 09/02/03 | | | | | | | | | | | | | | | | |
| 10/15/03 | | | | | | | | | | | | | | | | |
| 11/14/03 | | | | | | | | | | | | | | | | |
| 01/23/04 | | | | | | | | | | | | | | | | |
| 02/26/04 | | | | | | | | | | | | | | | | |
| 03/01/04 | | | | | | | | | | | | | | | | |
| 04/16/04 | | | | | | | | | | | | | | | | |
| 05/13/04 | | | | | | | | | | | | | | | | |
| 06/24/04 | | | | | | | | | | | | | | | | |
| 07/25/04 | | | | | | | | | | | | | | | | |
| 08/29/04 | | | | | | | | | | | | | | | | |
| 09/20/04 | | | | | | | | | | | | | | | | |
| 10/26/04 | | | | | | | | | | | | | | | | |
| 01/12/05 | | | | | | | | | | | | | | | | |
| 02/23/05 | | | | | | | | | | | | | | | | |
| 03/08/05 | | | | | | | | | | | | | | | | |
| 04/26/05 | | | | | | | | | | | | | | | | |
| 05/20/05 | | | | | | | | | | | | | | | | |
| 06/17/05 | | | | | | | | | | | | | | | | |
| 07/14/05 | | | | | | | | | | | | | | | | |
| 08/03/05 | | | | | | | | | | | | | | | | |
| 09/20/05 | | | | | | | | | | | | | | | | |
| 10/06/05 | | | | | | | | | | | | | | | | |
| 11/10/05 | | | | | | | | | | | | | | | | |
| 12/06/05 | | | | | | | | | | | | | | | | |
| 01/11/06 | | | | | | | | | | | | | | | | |
| 02/13/06 | | | | | | | | | | | | | | | | |
| 03/15/06 | | | | | | | | | | | | | | | | |
| 04/06/06 | | | | | | | | | | | | | | | | |
| 05/02/06 | | | | | | | | | | | | | | | | |
| 06/05/06 | | | | | | | | | | | | | | | | |
| 07/10/06 | | | | | | | | | | | | | | | | |
| 08/08/06 | | | | | | | | | | | | | | | | |
| 09/11/06 | | | | | | | | | | | | | | | | |
| 10/18/06 | | | | | | | | | | | | | | | | |
| 12/06/06 | | | | | | | | | | | | | | | | |
| 01/05/07 | | | | | | | | | | | | | | | | |
| 02/08/07 | | | | | | | | | | | | | | | | |
| 03/15/07 | | | | | | | | | | | | | | | | |
| 04/07/07 | | | | | | | | | | | | | | | | |
| 05/16/07 | | | | | | | | | | | | | | | | |
| 06/26/07 | | | | | | | | | | | | | | | | |
| 07/17/07 | | | | | | | | | | | | | | | | |
| 08/02/07 | | | | | | | | | | | | | | | | |
| 09/04/07 | | | | | | | | | | | | | | | | |
| 10/16/07 | | | | | | | | | | | | | | | | |
| 03/24/08 | | | | | | | | | | | | | | | | |
| 05/30/08 | | | | | | | | | | | | | | | | |
| 07/17/08 | | | | | | | | | | | | | | | | |
| 09/11/08 | | | | | | | | | | | | | | | | |
| 12/20/08 | | | | | | | | | | | | | | | | |
| 04/22/08 | | | | | | | | | | | | | | | | |
| 10/30/09 | | | | | | | | | | | | | | | | |
| 01/27/10 | | | | | | | | | | | | | | | | |
| 03/19/10 | | | | | | | | | | | | | | | | |
| 06/17/10 | | | | | | | | | | | | | | | | |
| 09/14/10 | | | | | | | | | | | | | | | | |
| 03/14/11 | | | | | | | | | | | | | | | | |
| 09/26/11 | | | | | | | | | | | | | | | | |
| 03/13/12 | | | | | | | | | | | | | | | | |
| 09/19/12 | | | | | | | | | | | | | | | | |
| 03/25/13 | | | | | | | | | | | | | | | | |
| 09/19/13 | 20.00 | DRY | | | | | | | | | | | | | | |
| 03/28/14 | 20.00 | DRY | | | | | | | | | | | | | | |
| 09/23/14 | 20.00 | DRY | 7.44 | 995.23 | 10.42 | 1032.20 | 29.10 | DRY | 27.05 | 1033.79 | 20.21 | 1036.61 | 34.82 | 1024.92 | | |
| 12/02/14 | NT | NT | 8.00 | 994.67 | NT | NT | NT | NT | NT | NT | NT | NT | 34.90 | 1024.84 | | |
| 03/19/15 | 20.05 | DRY | 8.80 | 993.87 | 11.30 | 1031.32 | 29.20 | DRY | 27.40 | 1033.44 | 22.20 | 1034.62 | 36.34 | 1023.40 | | |
| 06/17/15 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | |
| 08/27/15 | 20.05 | DRY | 7.10 | 995.57 | 10.75 | 1031.87 | 29.10 | DRY | 27.01 | 1033.83 | 20.83 | 1035.99 | 34.50 | 1025.24 | | |
| 03/03/16 | 20.05 | DRY | 7.77 | 994.90 | 10.85 | 1031.77 | 29.10 | DRY | 27.20 | 1033.64 | 22.70 | 1034.12 | 34.95 | 1024.79 | | |
| 09/20/16 | 20.05 | DRY | 6.20 | 996.47 | 10.77 | 1031.85 | 29.10 | DRY | 26.43 | 1034.41 | 21.85 | 1034.97 | 34.79 | 1024.95 | | |
| 03/09/17 | 20.05 | DRY | 6.11 | 996.56 | 10.90 | 1031.72 | 29.10 | DRY | 27.12 | 1033.72 | 22.20 | 1034.62 | 35.12 | 1024.62 | | |
| 09/14/17 | 20.05 | DRY | 6.95 | 995.72 | Removed | Removed | 29.10 | DRY | 22.35 | 1031.79 | 23.25 | 1033.57 | 35.02 | 1024.72 | | |
| 11/15/17 | NT | NT | NT | NT | Removed | Removed | NT | NT | NT | NT | NT | NT | NT | NT | 5.30 | 1040.63 |
| 12/13/17 | NT | NT | NT | NT | Removed | Removed | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 03/12/18 | 20.05 | DRY | 6.03 | 996.64 | Removed | Removed | 29.20 | DRY | 22.33 | 1031.81 | 22.87 | 1033.95 | 35.25 | 1024.49 | 3.90 | 1042.03 |
| 09/10/18 | 20.30 | DRY | 6.14 | 996.53 | Removed | Removed | 29.20 | DRY | 22.30 | 1031.84 | 20.80 | 1036.02 | 34.50 | 1025.24 | 6.60 | 1039.33 |
| 03/26/19 | 20.35 | DRY | 5.65 | 997.02 | Removed | Removed | 29.70 | DRY | 23.21 | 1030.93 | 20.91 | 1035.91 | 34.56 | 1025.18 | 3.40 | 1042.53 |
| 09/16/19 | 20.30 | DRY | 6.70 | 995.97 | Removed | Removed | 29.60 | DRY | 22.97 | 1031.17 | 21.25 | 1035.57 | 34.70 | 1025.04 | 6.91 | 1039.02 |
| 03/24/20 | 20.30 | DRY | 7.20 | 995.47 | Removed | Removed | 29.60 | DRY | 23.15 | 1030.99 | 19.78 | 1037.04 | 35.01 | 1024.73 | 3.40 | 1042.53 |
| 09/02/20 | 20.30 | DRY | 7.70 | 994.97 | Removed | Removed | 29.25 | DRY | 23.33 | 1030.81 | 22.09 | 1034.73 | 35.46 | 1024.28 | 7.25 | DRY |
| 03/08/21 | 20.30 | DRY | 7.60 | 995.07 | Removed | Removed | 29.55 | 1029.88 | 21.73 | 1032.41 | 20.55 | 1036.27 | 35.48 | 1024.26 | 4.59 | 1041.34 |
| 09/14/21 | 20.30 | DRY | 8.25 | 994.42 | Removed | Removed | 29.28 | 1030.15 | 22.88 | 1031.26 | 21.60 | 1035.22 | 35.70 | 1024.04 | 7.25 | DRY |
| 03/28/22 | Removed | Removed | 7.63 | 995.04 | Removed | Removed | 26.60 | Dry | 21.05 | 1033.09 | 20.64 | 1036.18 | 35.58 | 1024.16 | 4.47 | 1041.46 |
| 09/13/22 | Removed | Removed | 7.91 | 994.76 | Removed | Removed | 29.30 | 1030.13 | 21.10 | 1033.04 | 21.71 | 1035.11 | 35.32 | 1024.42 | 7.25 | DRY |
| 03/23/23 | Removed | Removed | 7.52 | 995.15 | Removed | Removed | 29.30 | 1030.13 | 21.90 | 1032.24 | 20.33 | 1036.49 | 35.22 | 1024.52 | 5.02 | 1040.91 |
| 09/05/23 | Removed | Removed | 8.20 | 994.47 | Removed | Removed | 29.28 | 1030.15 | 23.30 | 1030.84 | 20.90 | 1035.92 | 35.48 | 1024.26 | 7.30 | DRY |
| 03/06/24 | Removed | Removed | 7.68 | 994.99 | Removed | Removed | 29.30 | 1030.13 | 23.35 | 1030.79 | 21.98 | 1034.84 | 35.60 | 1024.14 | 7.30 | DRY |
| 09/18/24 | Removed | Removed | 7.94 | 994.73 | Removed | Removed | 29.26 | 1030.17 | 23.18 | 1030.96 | 21.29 | 1035.53 | 35.12 | 1024.62 | 7.30 | DRY |
| 03/11/25 | Removed | Removed | 7.50 | 995.17 | Removed | Removed | 29.27 | 1030.16 | 20.05 | 1034.09 | 20.22 | 1036.60 | 35.16 | 1024.58 | 4.95 | 1040.98 |
| 09/04/25 | Removed | Removed | 7.36 | 995.31 | Removed | Removed | 29.30 | 1030.13 | 23.36 | 1030.78 | 20.86 | 1035.96 | 34.67 | 1025.07 | 7.30 | DRY |

Table 4A
Water Elevation Data
Annual Water Quality Report
South Central Iowa Landfill
61-SDP-1-78P

| Well/TOC | MW-34A | 1072.82<br>**1072.74** | MW-34B | 1072.82 | MW-34C | 1072.75 | MW-35B | 1051.00 | MW-36A | 1063.83 | MW-36B | 1064.15 | MW-37A | 1072.27 | MW-37B | 1073.59 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation |
| 09/02/20 | 18.98 | 1053.84 | 19.05 | 1053.77 | 30.30 | 1042.45 | 11.63 | 1039.37 | 21.05 | 1042.78 | 22.89 | 1041.26 | 20.91 | 1051.36 | 36.57 | 1037.02 |
| 03/08/21 | 19.25 | 1053.57 | 19.25 | 1053.57 | 29.57 | 1043.18 | 11.01 | 1039.99 | | | | | | | | |
| 09/14/21 | 20.02 | 1052.80 | 19.75 | 1053.07 | 30.04 | 1042.71 | 11.60 | 1039.40 | 21.39 | 1042.44 | 22.90 | 1041.25 | 20.95 | 1051.32 | 30.86 | 1042.73 |
| 03/28/22 | 20.35 | 1052.47 | 20.41 | 1052.41 | 29.73 | 1043.02 | 10.90 | 1040.10 | 22.30 | 1041.53 | 23.05 | 1041.10 | 20.95 | 1051.32 | 29.78 | 1043.81 |
| 09/13/22 | 20.82 | 1052.00 | 20.67 | 1052.15 | 30.34 | 1042.41 | 12.25 | DRY | 21.76 | 1042.07 | 23.30 | 1040.85 | 21.10 | DRY | 29.18 | 1044.41 |
| 03/23/23 | 20.81 | 1051.93 | 21.17 | 1051.65 | 30.03 | 1042.72 | 11.60 | 1039.40 | 21.53 | 1042.30 | 22.25 | 1041.90 | 20.98 | 1051.29 | 29.03 | 1044.56 |
| 09/05/23 | 21.98 | 1050.76 | 21.65 | 1051.17 | 31.00 | 1041.75 | 12.25 | DRY | 21.74 | 1042.09 | 23.63 | 1040.52 | 21.10 | DRY | 28.90 | 1044.69 |
| 03/06/24 | 22.55 | 1050.19 | 22.52 | 1050.30 | 30.58 | 1042.17 | 11.97 | 1039.03 | 23.26 | 1040.57 | 24.75 | 1039.40 | 20.96 | 1051.31 | 28.95 | 1044.64 |
| 09/18/24 | 21.62 | 1051.12 | 21.86 | 1050.96 | 30.55 | 1042.20 | 12.10 | DRY | 21.54 | 1042.29 | 23.15 | 1041.00 | 20.95 | 1051.32 | 28.62 | 1044.97 |
| 03/11/25 | 21.60 | 1051.14 | 21.90 | 1050.92 | 29.60 | 1043.15 | 11.03 | 1039.97 | 22.11 | 1041.72 | 23.70 | 1040.45 | 21.10 | DRY | 17.89 | 1055.70 |
| 09/04/25 | 20.66 | 1052.08 | 21.30 | 1051.52 | 29.88 | 1042.87 | 12.03 | DRY | 20.92 | 1042.91 | 21.98 | 1042.17 | 20.95 | 1051.32 | 21.36 | 1052.23 |

Table 4A
Water Elevation Data
Annual Water Quality Report
South Central Iowa Landfill
61-SDP-1-78P

| Well/TOC | MW-37C | 1073.40 | MW-37D | 1073.31 | MW-38A | 1075.92 | MW-38B | 1076.18 | MW-39A | 1075.05 | MW-39B | 1075.29 | MW-39C | 1075.33 | MW-39D | 1076.19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation |
| 10/06/93 | | | | | | | | | | | | | | | | |
| 09/02/20 | 41.96 | 1031.44 | 79.80 | DRY | 23.00 | 1052.92 | 46.15 | 1030.03 | 28.12 | 1046.93 | 46.82 | 1028.47 | 45.36 | 1029.97 | 85.00 | 991.19 |
| 03/08/21 | | | | | | | | | | | | | | | 82.83 | 993.36 |
| 09/14/21 | 41.05 | 1032.35 | 79.80 | DRY | 24.81 | 1051.11 | 42.06 | 1034.12 | 29.63 | 1045.42 | 43.04 | 1032.25 | 46.25 | 1029.08 | 80.90 | 995.29 |
| 03/28/22 | 39.74 | 1033.66 | 79.80 | DRY | 25.48 | 1050.44 | 41.42 | 1034.76 | 30.20 | 1044.85 | 43.35 | 1031.94 | 46.61 | 1028.72 | 73.80 | 1002.39 |
| 09/13/22 | 40.63 | 1032.77 | 79.80 | DRY | 25.88 | 1050.04 | 40.72 | 1035.46 | 30.05 | 1045.00 | 42.91 | 1032.38 | 46.23 | 1029.10 | 63.30 | 1012.89 |
| 03/23/23 | 39.69 | 1033.71 | 79.80 | DRY | 26.26 | 1049.66 | 40.60 | 1035.58 | 30.62 | 1044.43 | 42.89 | 1032.40 | 46.34 | 1028.99 | 61.34 | 1014.85 |
| 09/05/23 | 40.78 | 1032.62 | 79.80 | DRY | 26.51 | 1049.41 | 40.44 | 1035.74 | 30.59 | 1044.46 | 42.36 | 1032.93 | 45.88 | 1029.45 | 59.44 | 1016.75 |
| 03/06/24 | 39.69 | 1033.71 | 79.80 | DRY | 26.60 | 1049.32 | 40.85 | 1035.33 | 30.90 | 1044.15 | 43.26 | 1032.03 | 46.67 | 1028.66 | 59.94 | 1016.25 |
| 09/18/24 | 39.54 | 1033.86 | 79.80 | DRY | 26.73 | 1049.19 | 40.44 | 1035.74 | 30.90 | 1044.15 | 41.50 | 1033.79 | 46.27 | 1029.06 | 63.18 | 1013.01 |
| 03/11/25 | 38.51 | 1034.89 | 79.34 | DRY | 26.75 | 1049.17 | 40.26 | 1035.92 | 30.92 | 1044.13 | 40.29 | 1035.00 | 45.96 | 1029.37 | 59.50 | 1016.69 |
| 09/04/25 | 39.37 | 1034.03 | 79.10 | 994.21 | 26.80 | 1049.12 | 39.79 | 1036.39 | 30.25 | 1044.80 | 36.36 | 1038.93 | 42.43 | 1032.90 | 56.85 | 1019.34 |

Table 4A
Water Elevation Data
Annual Water Quality Report
South Central Iowa Landfill
61-SDP-1-78P

| Well/TOC | MW-40A | 1074.44 | MW-40B | 1074.48 | MW-41A | 1037.51 | MW-41C | 1038.66 | MW-41D | 1039.01 | MW-42C | 1036.56 | MW-42D | 1035.79 | MW-43 | 989.02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation |
| 10/06/93 | | | | | | | | | | | | | | | | |
| 09/02/20 | 30.17 | 1044.27 | 46.95 | 1027.53 | 21.20 | DRY | 27.57 | 1011.09 | 47.82 | 991.19 | 20.60 | 1015.96 | 36.32 | 999.47 | 21.50 | DRY |
| 03/08/21 | | | | | | | | | 47.85 | 991.16 | | | 33.91 | 1001.88 | 21.50 | DRY |
| 09/14/21 | 31.28 | 1043.16 | 44.40 | 1030.08 | 21.20 | DRY | 27.65 | 1011.01 | 47.84 | 991.17 | 19.97 | 1016.59 | 34.90 | 1000.89 | 21.50 | DRY |
| 03/28/22 | 31.31 | 1043.13 | 43.89 | 1030.59 | 21.20 | DRY | 27.65 | 1011.01 | 47.83 | 991.18 | 18.30 | 1018.26 | 35.81 | 999.98 | 21.50 | DRY |
| 09/13/22 | 31.30 | 1043.14 | 44.17 | 1030.31 | 21.20 | DRY | 27.75 | DRY | 47.80 | 991.21 | 20.25 | 1016.31 | 39.21 | 996.58 | 21.50 | DRY |
| 03/23/23 | 31.50 | 1042.94 | 43.60 | 1030.88 | 21.20 | DRY | 27.61 | 1011.05 | 47.48 | 991.53 | 18.52 | 1018.04 | 33.85 | 1001.94 | 21.50 | DRY |
| 09/05/23 | 31.40 | 1043.04 | 45.04 | 1029.44 | 21.20 | DRY | 27.60 | 1011.06 | 48.02 | 990.99 | 20.27 | 1016.29 | 38.80 | 996.99 | 21.50 | DRY |
| 03/06/24 | 31.55 | DRY | 45.65 | 1028.83 | 21.20 | DRY | 27.65 | 1011.01 | 48.60 | 990.41 | 19.73 | 1016.83 | 37.97 | 997.82 | NR | NR |
| 09/18/24 | 31.40 | 1043.04 | 44.15 | 1030.33 | 21.10 | DRY | 27.59 | 1011.07 | 47.90 | 991.11 | 19.77 | 1016.79 | 38.08 | 997.71 | NR | NR |
| 03/11/25 | 31.40 | 1043.04 | 43.97 | 1030.51 | 21.10 | DRY | 27.75 | DRY | 48.01 | 991.00 | 17.56 | 1019.00 | 37.55 | 998.24 | NR | NR |
| 09/04/25 | 31.42 | 1043.02 | 43.23 | 1031.25 | 21.10 | DRY | 27.62 | 1011.04 | 47.31 | 991.70 | 19.40 | 1017.16 | 34.90 | 1000.89 | NR | NR |

Table 4A
Water Elevation Data
Annual Water Quality Report
South Central Iowa Landfill
61-SDP-1-78P

| Well/TOC | MW-44 | 1051.33 | MW-45A | 1033.10 | MW-45D | 1033.44 | | |
|---|---|---|---|---|---|---|---|---|
| | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation | Water Depth | Water Elevation |
| 10/06/93 | | | | | | | | |
| 07/12/23 | 9.87 | 1041.46 | | | | | | |
| 09/05/23 | 11.26 | 1040.07 | | | | | | |
| 01/08/24 | 13.38 | 1037.95 | 10.54 | 1022.56 | 25.95 | 1007.49 | | |
| 03/06/24 | 11.80 | 1039.53 | 10.45 | 1022.65 | 25.94 | 1007.50 | | |
| 09/18/24 | 9.78 | 1041.55 | 11.30 | 1021.80 | 24.27 | 1009.17 | | |
| 03/11/25 | 8.53 | 1042.80 | 10.22 | 1022.88 | 24.28 | 1009.16 | | |
| 09/04/25 | 9.24 | 1042.09 | 10.78 | 1022.32 | 22.46 | 1010.98 | | |

Table 5 – Background and GWPS Summary

**Table 5**
**Background and GWPS Summary**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

**Interwell Background Wells (Till/Fill System - MW-4A, MW-34A, and MW-18)**

| Inorganics - Appendix I | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Constituent** | **Units** | **Model Type** | **Samples - N** | **Detections** | **Mean** | **SD** | **Prediction Limit** | **Confidence** | **GWPS** | **Source** |
| Antimony (Sb) | µg/l | nonparametric | 43 | 7 | | | 5.5000 | 0.99 | 6 | SS |
| Arsenic (As) | µg/l | normal | 43 | 25 | 11.8047 | 13.9938 | 46.0382 | | **48.5787** | **PL** |
| Barium (Ba) | µg/l | normal | 43 | 43 | 401.5558 | 126.004 | 709.8041 | | 2000 | SS |
| Beryllium (Be) | µg/l | nonparametric | 43 | 0 | | | 4.0000 | 0.99 | 4 | SS |
| Cadmium (Cd) | µg/l | nonparametric | 43 | 8 | | | 3.9000 | 0.99 | 5 | SS |
| Chromium (Cr) | µg/l | nonparametric | 43 | 3 | | | 10.4000 | 0.99 | 100 | SS |
| Cobalt (Co) | µg/l | lognormal | 43 | 23 | 0.2382 | 0.4892 | 5.0934 | | **7.2** | **PL** |
| Copper (Cu) | µg/l | nonparametric | 43 | 9 | | | 30.1000 | 0.99 | 1300 | SS |
| Lead (Pb) | µg/l | nonparametric | 43 | 0 | | | 4.0000 | 0.99 | 15 | SS |
| Nickel (Ni) | µg/l | lognormal | 43 | 22 | 1.1239 | 1.1832 | 55.6079 | | 100 | SS |
| Selenium (Se) | µg/l | nonparametric | 43 | 8 | | | 16.2000 | 0.99 | 50 | SS |
| Silver (Ag) | µg/l | nonparametric | 43 | 0 | | | 4.0000 | 0.99 | 100 | SS |
| Thallium (Tl) | µg/l | nonparametric | 43 | 0 | | | 2.0000 | 0.99 | 2 | SS |
| Vanadium (V) | µg/l | nonparametric | 43 | 1 | | | 30.7000 | 0.99 | 35 | SS |
| Zinc (Zn) | µg/l | nonparametric | 43 | 19 | | | 73.5000 | 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 | 43 | 0 | <1 | <1 | <1 | <1 | various | SS |

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

**Interwell Background Wells (Bedrock System MW-11C and MW-39D, MW-41D, MW-42D)**

| Inorganics - Appendix I | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Constituent** | **Units** | **Model Type** | **Samples - N** | **Detections** | **Mean** | **SD** | **Prediction Limit** | **Confidence** | **GWPS** | **Source** |
| Antimony (Sb) | µg/l | nonparametric | 53 | 9 | | | 10.9000 | 0.99 | **10.9** | **PL** |
| Arsenic (As) | µg/l | nonparametric | 53 | 8 | | | 5.8000 | 0.99 | 10 | SS |
| Barium (Ba) | µg/l | normal | 53 | 53 | 52.0019 | 22.2585 | 105.9278 | | 2000 | SS |
| Beryllium (Be) | µg/l | nonparametric | 49 | 0 | | | 4.0000 | 0.99 | 4 | SS |
| Cadmium (Cd) | µg/l | nonparametric | 49 | 0 | | | 0.8000 | 0.99 | 5 | SS |
| Chromium (Cr) | µg/l | nonparametric | 49 | 1 | | | 13.2000 | 0.99 | 100 | SS |
| Cobalt (Co) | µg/l | nonparametric | 50 | 16 | | | 5.4000 | 0.99 | **5.4** | **PL** |
| Copper (Cu) | µg/l | nonparametric | 53 | 3 | | | 8.1000 | 0.99 | 1300 | SS |
| Lead (Pb) | µg/l | nonparametric | 49 | 0 | | | 4.0000 | 0.99 | 15 | SS |
| Nickel (Ni) | µg/l | nonparametric | 53 | 13 | | | 11.8000 | 0.99 | 100 | SS |
| Selenium (Se) | µg/l | nonparametric | 53 | 0 | | | 4.0000 | 0.99 | 50 | SS |
| Silver (Ag) | µg/l | nonparametric | 53 | 0 | | | 4.0000 | 0.99 | 100 | SS |
| Thallium (Tl) | µg/l | nonparametric | 49 | 0 | | | 2.0000 | 0.99 | 2 | SS |
| Vanadium (V) | µg/l | nonparametric | 49 | 1 | | | 20.0000 | 0.99 | 35 | SS |
| Zinc (Zn) | µg/l | nonparametric | 51 | 9 | | | 34.5000 | 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 | 53 | 0 | <1 | <1 | <1 | <1 | various | SS |

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

Table 6 – Summary of Detections

**Table 6**
**Summary of Well/Detected Constituent Pairs that Exceed the Prediction Limit**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Well | Compound | Date | Result (ug/L) | Prediction Limit (ug/L) | GWPS (ug/L) | Monitoring Program |
|---|---|---|---|---|---|---|
| MW-6A | cobalt | 3/10/2025 | 6.80 | 4.8025 | **5.4** | Assessment Monitoring |
| MW-44 | barium | 3/10/2025 | 756.0 | 660.31 | **2000** | AZPOC |
| MW-44 | barium | 9/4/2025 | 848.0 | 709.80 | **2000** | AZPOC |
| Tile 1 | barium | 3/10/2025 | 739 | 660.31 | **2000** | AZPOC |
| Tile 1 | barium | 9/4/2025 | 1990 | 709.80 | **2000** | AZPOC |
| Tile 1 | 1,4-dichlorobenzene | 3/10/2025 | 1.5 | 1.0 | **75** | AZPOC |
| Tile 1 | 1,4-dichlorobenzene | 9/4/2025 | 3.9 | 1.0 | **75** | AZPOC |
| Tile 1 | benzene | 3/10/2025 | 1.6 | 1.0 | **5** | AZPOC |
| Tile 1 | benzene | 9/4/2025 | 2.5 | 1.0 | **5** | AZPOC |
| Tile 1 | chlorobenzene | 3/10/2025 | 5.7 | 1.0 | **100** | AZPOC |
| Tile 1 | chlorobenzene | 9/4/2025 | 7.0 | 1.0 | **100** | AZPOC |
| Tile 1 | cis-1,2-DCE | 9/4/2025 | 1.8 | 1.0 | **70** | AZPOC |
| Tile 1 | vinyl chloride | 9/4/2025 | 1.4 | 1.0 | **2** | AZPOC |
| Tile2 | chlorobenzene | 9/4/2025 | 2.2 | 1.0 | **100** | AZPOC |
| Tile2 | cis-1,2-DCE | 3/10/2025 | 1.1 | 1.0 | **70** | AZPOC |
| Tile2 | cis-1,2-DCE | 9/4/2025 | 4.1 | 1.0 | **70** | AZPOC |
| Tile2 | Vinyl Chloride | 9/4/2025 | 4.2 | 1.0 | **2** | AZPOC |
| MW-17R | barium | 3/10/2025 | 410.0 | 105.88 | **2000** | Assessment Monitoring |
| MW-17R | barium | 9/4/2025 | 459.0 | 105.93 | **2000** | Assessment Monitoring |
| MW-17R | nickel | 3/10/2025 | 22.5 | 11.8 | **100** | Assessment Monitoring |
| MW-17R | nickel | 9/4/2025 | 22.5 | 11.8 | **100** | Assessment Monitoring |
| MW-28* | arsenic | 3/10/2025 | 64.8 | 5.8 | **10** | Assessment Monitoring |
| MW-28* | barium | 3/10/2025 | 1340 | 105.88 | **2000** | Assessment Monitoring |
| MW-28* | barium | 9/4/2025 | 688.0 | 105.93 | **2000** | Assessment Monitoring |
| MW-28* | cobalt | 3/10/2025 | 59.0 | 5.4 | **5.4** | Assessment Monitoring |
| MW-28* | cobalt | 9/4/2025 | 17.2 | 5.4 | **5.4** | Assessment Monitoring |
| MW-28* | nickel | 3/10/2025 | 24.0 | 11.8 | **100** | Assessment Monitoring |
| MW-28 | cis-1,2-DCE | 3/10/2025 | 4.9 | 1.0 | **70** | Assessment Monitoring |
| MW-28 | cis-1,2-DCE | 9/4/2025 | 3.4 | 1.0 | **70** | Assessment Monitoring |

** an Alternate Source Demonstration applies to MW-28 inorganic compounds.*

***Note - MW-45A, GU-A, GU-B, and GU-2 are not included, as they are evaluated by Intrawell methods and sufficient background is not available to evaluate control limit exceedances.***

Table 7 – Summary of Ongoing and Newly Identified SSI

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-6A | antimony | 3/4/2016 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 9/20/2016 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 3/9/2017 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 9/14/2017 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 12/13/2017 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 3/12/2018 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 9/10/2018 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 3/26/2019 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 9/16/2019 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 3/24/2020 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 9/2/2020 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 3/8/2021 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 9/14/2021 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 2/28/2022 | <2.0 | 2.6 | --- | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 9/13/2022 | **3.0** | 2.6 | 0.324 | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 3/23/2023 | <2.0 | 2.6 | 0.324 | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 9/5/2023 | Dry | 5.5 | 0.324 | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 3/6/2024 | Dry | 5.5 | 0.324 | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 9/18/2024 | <2.0 | 5.5 | 0.324 | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 3/11/2025 | <2.0 | 5.5 | 1.000 | 6.0 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | antimony | 9/4/2025 | <1.0 | 5.5 | 1.000 | 6.0 | 9/13/2022 | NA | 8/27/2015 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-6A | cobalt | 3/4/2016 | <0.8 | 3.5 | --- | **3.5** | NA | NA | 8/27/2015 |
| MW-6A | cobalt | 9/20/2016 | 1.2 | 3.5 | --- | **3.5** | NA | NA | 8/27/2015 |
| MW-6A | cobalt | 3/9/2017 | <0.8 | 3.5 | --- | **3.5** | NA | NA | 8/27/2015 |
| MW-6A | cobalt | 9/14/2017 | 5.4 | 3.5 | --- | **3.5** | NA | NA | 8/27/2015 |
| MW-6A | cobalt | 12/13/2017 | 1.4 | 3.5 | --- | **3.5** | NA | NA | 8/27/2015 |
| MW-6A | cobalt | 3/12/2018 | <2.0 | 3.5 | --- | **3.5** | NA | NA | 8/27/2015 |
| MW-6A | cobalt | 9/10/2018 | 2.2 | 3.5 | 0.000 | **3.5** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 3/26/2019 | <0.8 | 3.5 | 0.075 | **3.5** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 9/16/2019 | 1.3 | 3.5 | 0.061 | **3.5** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 3/24/2020 | <0.8 | 3.5 | 0.061 | **3.5** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 9/2/2020 | 0.7 | 3.5 | 0.201 | **3.5** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 3/8/2021 | 17.5 | 3.5 | 0.000 | **3.5** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 9/14/2021 | 1.9 | 3.5 | 0.000 | **3.5** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 2/28/2022 | 2.8 | 3.5 | 0.000 | **3.5** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 9/13/2022 | 0.4 | 7.2 | 0.000 | **7.2** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 3/23/2023 | <0.4 | 7.2 | 0.000 | **7.2** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 9/5/2023 | Dry | 4.226 | 0.000 | **7.2** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 3/6/2024 | Dry | 4.226 | 0.000 | **7.2** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 9/18/2024 | 4.9 | 4.226 | 0.000 | **7.2** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 3/11/2025 | 6.8 | 4.8025 | 0.486 | **7.2** | 9/14/2017 | 12/13/2017 | 8/27/2015 |
| MW-6A | cobalt | 9/4/2025 | 0.5 | 5.0934 | 0.000 | **7.2** | 9/14/2017 | 12/13/2017 | 8/27/2015 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-6A | nickel | 3/4/2016 | 4.10 | 16.1 | --- | 100 | NA | NA | 8/27/2015 |
| MW-6A | nickel | 9/20/2016 | 5.50 | 16.1 | --- | 100 | NA | NA | 8/27/2015 |
| MW-6A | nickel | 3/9/2017 | <4.0 | 16.1 | --- | 100 | NA | NA | 8/27/2015 |
| MW-6A | nickel | 9/14/2017 | 13.20 | 16.1 | --- | 100 | NA | NA | 8/27/2015 |
| MW-6A | nickel | 3/12/2018 | 5.20 | 16.1 | --- | 100 | NA | NA | 8/27/2015 |
| MW-6A | nickel | 9/10/2018 | 22.80 | 16.1 | 0.000 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 11/14/2018 | 35.20 | 16.1 | 0.000 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 3/26/2019 | 4.60 | 16.1 | 0.000 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 9/16/2019 | 11.80 | 16.1 | 2.885 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 3/24/2020 | 5.50 | 16.1 | 0.000 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 9/2/2020 | 5.10 | 16.1 | 2.766 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 3/8/2021 | 28.10 | 16.1 | 0.000 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 9/14/2021 | 5.70 | 16.1 | 0.000 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 3/28/2022 | 25.90 | 16.1 | 9.154 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 9/13/2022 | 28.30 | 16.1 | 1.313 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 3/23/2023 | 18.0 | 23.8 | 7.497 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 9/5/2023 | Dry | 23.8 | 7.497 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 3/6/2024 | Dry | 23.8 | 7.497 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 9/18/2024 | 22.6 | 23.8 | 18.453 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 3/11/2025 | 22.8 | 33.6 | 18.496 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |
| MW-6A | nickel | 9/4/2025 | 30.7 | 55.6 | 18.959 | 100 | 9/10/2018 | 12/10/2018 | 8/27/2015 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-6A | selenium | 3/4/2016 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 9/20/2016 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 3/9/2017 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 9/14/2017 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 12/13/2017 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 3/12/2018 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 9/10/2018 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 3/26/2019 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 9/16/2019 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 3/24/2020 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 9/2/2020 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 3/8/2021 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 9/14/2021 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 3/28/2022 | <4.0 | 5.1 | --- | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 9/13/2022 | 84.70 | 5.1 | 0.000 | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 3/23/2023 | <4.0 | 16.2 | 0.000 | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 9/5/2023 | Dry | 16.2 | 0.000 | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 3/6/2024 | Dry | 16.2 | 0.000 | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 9/18/2024 | <4.0 | 16.2 | 0.000 | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 3/11/2025 | <4.0 | 16.2 | 1.188 | 50 | 9/13/2022 | NA | 8/27/2015 |
| MW-6A | selenium | 9/4/2025 | <2.0 | 16.2 | 2.000 | 50 | 9/13/2022 | NA | 8/27/2015 |

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

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-21 | cobalt | 3/4/2016 | <0.8 | 3.92 | 0.400 | **3.92** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 9/20/2016 | <0.8 | 3.92 | 0.400 | **3.92** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 3/9/2017 | <0.8 | 3.92 | 0.400 | **3.92** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 9/14/2017 | <0.8 | 3.92 | 0.400 | **3.92** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 3/12/2018 | <2.0 | 3.92 | 0.290 | **3.5** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 9/10/2018 | 0.80 | 3.50 | 0.390 | **3.5** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 3/26/2019 | <0.8 | 3.50 | 0.390 | **3.5** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 9/16/2019 | <0.8 | 3.50 | 0.390 | **3.5** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 3/24/2020 | <0.8 | 3.50 | 0.327 | **3.5** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 9/2/2020 | <0.4 | 3.50 | 0.263 | **3.5** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 9/14/2021 | 0.70 | 3.50 | 0.246 | **3.5** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 3/28/2022 | 0.40 | 3.50 | 0.246 | **3.5** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 9/13/2022 | 5.10 | 7.20 | 0.000 | **7.2** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 3/23/2023 | <0.4 | 7.20 | 0.000 | **7.2** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 9/5/2023 | <0.4 | 4.14 | 0.000 | **7.2** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 3/6/2024 | <0.4 | 4.14 | 0.000 | **7.2** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 9/18/2024 | <0.4 | 4.23 | 0.200 | **7.2** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 3/11/2025 | <0.4 | 4.80 | 0.200 | **7.2** | NA | NA | 8/27/2015 |
| MW-21 | cobalt | 9/4/2025 | <0.5 | 5.09 | 0.200 | **7.2** | NA | NA | 8/27/2015 |

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**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

KEY: | SSI | SSL LCL>GWPS

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-44 | arsenic | 7/12/2023 | <4.0 | **48.2800** | --- | **48.28** | NA | NA | pending |
| MW-44 | arsenic | 9/5/2023 | <4.0 | **48.5800** | --- | **48.58** | NA | NA | pending |
| MW-44 | arsenic | 3/6/2024 | <4.0 | **48.2800** | --- | **48.58** | NA | NA | pending |
| MW-44 | arsenic | 9/18/2024 | <4.0 | **48.5800** | 2.000 | **48.58** | NA | NA | pending |
| MW-44 | arsenic | 3/11/2025 | <4.0 | **47.0528** | 2.000 | **47.05** | NA | NA | pending |
| MW-44 | arsenic | 9/4/2025 | <2.0 | **46.0382** | 2.000 | **47.05** | NA | NA | pending |
| MW-44 | barium | 6/5/2019 | --- | 540.5758 | --- | 2000 | 7/12/2023 | 9/5/2023 | pending |
| MW-44 | barium | 9/16/2019 | --- | 564.2596 | --- | 2000 | 7/12/2023 | 9/5/2023 | pending |
| MW-44 | barium | 12/2/2019 | --- | 564.2596 | --- | 2000 | 7/12/2023 | 9/5/2023 | pending |
| MW-44 | barium | 3/24/2020 | --- | 561.2144 | --- | 2000 | 7/12/2023 | 9/5/2023 | pending |
| MW-44 | barium | 9/2/2020 | --- | 563.1526 | --- | 2000 | 7/12/2023 | 9/5/2023 | pending |
| MW-44 | barium | 3/8/2021 | --- | 563.9729 | --- | 2000 | 7/12/2023 | 9/5/2023 | pending |
| MW-44 | barium | 9/14/2021 | --- | 568.1207 | --- | 2000 | 7/12/2023 | 9/5/2023 | pending |
| MW-44 | barium | 3/28/2022 | --- | 586.7017 | --- | 2000 | 7/12/2023 | 9/5/2023 | pending |
| MW-44 | barium | 9/13/2022 | --- | 572.5154 | --- | 2000 | 7/12/2023 | 9/5/2023 | pending |
| MW-44 | barium | 3/23/2023 | --- | 618.9496 | --- | 2000 | 7/12/2023 | 9/5/2023 | pending |
| MW-44 | barium | 7/12/2023 | 624.00 | 618.9496 | --- | 2000 | 7/12/2023 | 9/5/2023 | 9/18/2024 |
| MW-44 | barium | 9/5/2023 | 708.00 | 623.3256 | --- | 2000 | 7/12/2023 | 9/5/2023 | 9/18/2024 |
| MW-44 | barium | 11/28/2023 | 803.00 | 623.3256 | --- | 2000 | 7/12/2023 | 9/5/2023 | 9/18/2024 |
| MW-44 | barium | 3/6/2024 | 795.00 | 623.3256 | 633.503 | 2000 | 7/12/2023 | 9/5/2023 | 9/18/2024 |
| MW-44 | barium | 9/18/2024 | 662.00 | 624.2924 | 661.398 | 2000 | 7/12/2023 | 9/5/2023 | 9/18/2024 |
| MW-44 | barium | 3/11/2025 | 756.00 | 660.3102 | 677.919 | 2000 | 7/12/2023 | 9/5/2023 | 9/18/2024 |
| MW-44 | barium | 9/4/2025 | 848.00 | 709.8041 | 672.931 | 2000 | 7/12/2023 | 9/5/2023 | 9/18/2024 |

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**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | Barium | 6/5/2019 | 1010 | 564.26 | --- | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 9/16/2019 | 1350 | 564.26 | --- | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 3/24/2020 | 754 | 561.21 | --- | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 9/2/2020 | 2210 | 563.15 | 765.539 | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 3/8/2021 | 1060 | 563.97 | 606.167 | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 9/14/2021 | 1940 | 568.12 | 673.926 | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 3/28/2022 | 774 | 586.70 | 687.204 | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 9/13/2022 | 2660 | 572.52 | 598.264 | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 3/23/2023 | 953 | 618.95 | 543.157 | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 9/5/2023 | 2510 | 623.33 | 549.760 | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 3/6/2024 | 2250 | 623.33 | 1177.147 | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 9/18/2024 | 2340 | 624.29 | 1172.195 | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 3/11/2025 | 739 | 660.31 | 994.085 | 2000 | 6/5/2019 | NA | Sep-20 |
| Tile 1 | Barium | 9/4/2025 | 1990 | 709.80 | 956.762 | 2000 | 6/5/2019 | NA | Sep-20 |

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|---|---|---|

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| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | Cobalt | 6/5/2019 | 1.8 | 3.5 | --- | **3.5** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 9/16/2019 | 3.6 | 3.5 | --- | **3.5** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 3/24/2020 | 1.8 | 3.5 | --- | **3.5** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 9/2/2020 | 3.1 | 3.5 | 1.495 | **3.5** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 3/8/2021 | 2.9 | 3.5 | 1.957 | **3.5** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 9/14/2021 | 2.8 | 3.5 | 1.967 | **3.5** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 3/28/2022 | 2.2 | 3.5 | 2.294 | **3.5** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 9/13/2022 | 7.6 | 7.2 | 0.931 | **7.2** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 3/23/2023 | 2.4 | 7.2 | 0.717 | **7.2** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 9/5/2023 | 3.3 | 4.14 | 0.900 | **7.2** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 3/6/2024 | 2.5 | 4.14 | 1.049 | **7.2** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 9/18/2024 | 3.2 | 4.23 | 2.302 | **7.2** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 3/11/2025 | 2.1 | 4.80 | 2.100 | **7.2** | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Cobalt | 9/4/2025 | 3.3 | 5.09 | 2.100 | **7.2** | 9/16/2019 | NA | Sep-20 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | Nickel | 6/5/2019 | 13.4 | 16.1 | --- | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 9/16/2019 | 21.2 | 16.1 | --- | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 3/24/2020 | 9.8 | 16.1 | --- | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 9/2/2020 | 35.8 | 16.1 | 6.490 | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 3/8/2021 | 20.8 | 16.1 | 9.353 | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 9/14/2021 | 37.1 | 16.1 | 10.558 | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 3/28/2022 | 14 | 16.1 | 13.567 | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 9/13/2022 | 46.1 | 16.1 | 12.195 | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 3/23/2023 | 13.4 | 28.3 | 8.213 | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 9/5/2023 | 43.6 | 28.3 | 8.084 | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 3/6/2024 | 43.5 | 23.8 | 18.363 | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 9/18/2024 | 43.5 | 23.8 | 18.277 | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 3/11/2025 | 9.7 | 33.6 | 15.176 | 100 | 9/16/2019 | NA | Sep-20 |
| Tile 1 | Nickel | 9/4/2025 | 38.8 | 55.6 | 1.971 | 100 | 9/16/2019 | NA | Sep-20 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | 1,1-dichloroethane | 9/20/2016 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 11/9/2016 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 3/9/2017 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 9/14/2017 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 3/12/2018 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 9/10/2018 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 3/26/2019 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 6/5/2019 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 9/16/2019 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 3/24/2020 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 9/2/2020 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 3/8/2021 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 9/14/2021 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 3/28/2022 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 9/13/2022 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 3/23/2023 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 9/5/2023 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 3/6/2024 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 9/18/2024 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 3/11/2025 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |
| Tile 1 | 1,1-dichloroethane | 9/4/2025 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | 9/14/2017 |

**Table 7**
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**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | 1,2-dichloropropane | 9/20/2016 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 11/9/2016 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 3/9/2017 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 9/14/2017 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 3/12/2018 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 9/10/2018 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 3/26/2019 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 6/5/2019 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 9/16/2019 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 3/24/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 9/2/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 3/8/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 9/14/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 3/28/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 9/13/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 3/23/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 9/5/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 3/6/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 9/18/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 3/11/2025 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |
| Tile 1 | 1,2-dichloropropane | 9/4/2025 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | 9/14/2017 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | 1,4-dichlorobenzene | 9/20/2016 | **1.30** | 1.0 | --- | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 11/9/2016 | **1.80** | 1.0 | --- | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 3/9/2017 | **2.60** | 1.0 | --- | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 9/14/2017 | **4.50** | 1.0 | 0.896 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 3/12/2018 | **5.60** | 1.0 | 1.582 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 9/10/2018 | **1.70** | 1.0 | 1.516 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 3/26/2019 | **1.80** | 1.0 | 1.097 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 6/5/2019 | <1.0 | 1.0 | 1.097 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 9/16/2019 | <1.0 | 1.0 | 0.275 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 3/24/2020 | **1.80** | 1.0 | 0.267 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 9/2/2020 | **3.70** | 1.0 | 0.000 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 3/8/2021 | **1.60** | 1.0 | 0.337 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 9/14/2021 | **2.50** | 1.0 | 1.284 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 3/28/2022 | **1.40** | 1.0 | 1.066 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 9/13/2022 | **2.30** | 1.0 | 1.324 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 3/23/2023 | **1.60** | 1.0 | 1.324 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 9/5/2023 | **4.50** | 1.0 | 0.780 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 3/6/2024 | **1.80** | 1.0 | 0.982 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 9/18/2024 | **3.30** | 1.0 | 1.196 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 3/11/2025 | **1.50** | 1.0 | 1.136 | 75 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | 1,4-dichlorobenzene | 9/4/2025 | **3.90** | 1.0 | 1.262 | 75 | 9/20/2016 | NA | 9/14/2017 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | benzene | 9/20/2016 | <1.0 | 1.0 | --- | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 11/9/2016 | **1.60** | 1.0 | --- | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 3/9/2017 | **2.20** | 1.0 | --- | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 9/14/2017 | **2.70** | 1.0 | 0.636 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 3/12/2018 | **3.70** | 1.0 | 1.504 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 9/10/2018 | <1.0 | 1.0 | 0.702 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 3/26/2019 | <1.0 | 1.0 | 0.000 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 6/5/2019 | <1.0 | 1.0 | 0.000 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 9/16/2019 | <1.0 | 1.0 | 0.500 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 3/24/2020 | <1.0 | 1.0 | 0.500 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 9/2/2020 | **1.90** | 1.0 | 0.027 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 3/8/2021 | <1.0 | 1.0 | 0.027 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 9/14/2021 | **1.10** | 1.0 | 0.220 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 3/28/2022 | <1.0 | 1.0 | 0.220 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 9/13/2022 | **2.10** | 1.0 | 0.162 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 3/23/2023 | <1.0 | 1.0 | 0.162 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 9/5/2023 | **3.00** | 1.0 | 0.067 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 3/6/2024 | <1.0 | 1.0 | 0.067 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 9/18/2024 | **1.80** | 1.0 | 0.037 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 3/11/2025 | **1.60** | 1.0 | 0.520 | 5 | 11/9/2016 | NA | 9/14/2017 |
| Tile 1 | benzene | 9/4/2025 | **2.50** | 1.0 | 0.625 | 5 | 11/9/2016 | NA | 9/14/2017 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | chlorobenzene | 9/20/2016 | **3.40** | 1.0 | --- | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 11/9/2016 | **3.60** | 1.0 | --- | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 3/9/2017 | **7.90** | 1.0 | --- | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 9/14/2017 | **5.80** | 1.0 | 2.685 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 3/12/2018 | **7.20** | 1.0 | 3.894 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 9/10/2018 | **4.30** | 1.0 | 4.425 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 3/26/2019 | **3.00** | 1.0 | 2.933 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 6/5/2019 | **4.90** | 1.0 | 2.933 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 9/16/2019 | **4.10** | 1.0 | 3.142 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 3/24/2020 | **3.90** | 1.0 | 3.057 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 9/2/2020 | **4.40** | 1.0 | 3.813 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 3/8/2021 | **2.70** | 1.0 | 2.898 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 9/14/2021 | **2.70** | 1.0 | 2.411 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 3/28/2022 | **2.90** | 1.0 | 2.208 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 9/13/2022 | **3.00** | 1.0 | 2.649 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 3/23/2023 | **2.90** | 1.0 | 2.727 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 9/5/2023 | **5.60** | 1.0 | 2.031 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 3/6/2024 | **1.80** | 1.0 | 1.430 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 9/18/2024 | **4.30** | 1.0 | 1.704 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 3/11/2025 | **5.70** | 1.0 | 2.214 | 100 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | chlorobenzene | 9/4/2025 | **7.00** | 1.0 | 2.082 | 100 | 9/20/2016 | NA | 9/14/2017 |

**Table 7**
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| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | chloroform | 9/20/2016 | <1.0 | 1.0 | --- | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 11/9/2016 | <1.0 | 1.0 | --- | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 3/9/2017 | <1.0 | 1.0 | --- | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 9/14/2017 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 3/12/2018 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 9/10/2018 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 3/26/2019 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 6/5/2019 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 9/16/2019 | **1.40** | 1.0 | 0.196 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 3/24/2020 | <1.0 | 1.0 | 0.196 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 9/2/2020 | <1.0 | 1.0 | 0.196 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 3/8/2021 | <1.0 | 1.0 | 0.196 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 9/14/2021 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 3/28/2022 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 9/13/2022 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 3/23/2023 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 9/5/2023 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 3/6/2024 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 9/18/2024 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 3/11/2025 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |
| Tile 1 | chloroform | 9/4/2025 | <1.0 | 1.0 | 0.500 | 80 | 9/16/2019 | NA | 9/14/2017 |

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**SCILA Sanitary Landfill**
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| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | cis-1,2-DCE | 9/20/2016 | **7.00** | 1.0 | --- | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 11/9/2016 | **2.80** | 1.0 | --- | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 3/9/2017 | **3.90** | 1.0 | --- | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 9/14/2017 | <1.0 | 1.0 | 0.373 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 3/12/2018 | **1.00** | 1.0 | 0.191 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 9/10/2018 | <1.0 | 1.0 | 0.000 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 3/26/2019 | **3.60** | 1.0 | 0.000 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 6/5/2019 | **5.70** | 1.0 | 0.000 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 9/16/2019 | **3.90** | 1.0 | 0.885 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 3/24/2020 | **3.20** | 1.0 | 2.801 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 9/2/2020 | **1.70** | 1.0 | 1.672 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 3/8/2021 | <1.0 | 1.0 | 0.532 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 9/14/2021 | **1.00** | 1.0 | 0.218 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 3/28/2022 | <1.0 | 1.0 | 0.257 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 9/13/2022 | <1.0 | 1.0 | 0.331 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 3/23/2023 | <1.0 | 1.0 | 0.331 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 9/5/2023 | <1.0 | 1.0 | 0.500 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 3/6/2024 | <1.0 | 1.0 | 0.500 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 9/18/2024 | <1.0 | 1.0 | 0.500 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 3/11/2025 | <1.0 | 1.0 | 0.500 | 70 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | cis-1,2-DCE | 9/4/2025 | **1.80** | 1.0 | 0.060 | 70 | 9/20/2016 | NA | 9/14/2017 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | trans-1,2-DCE | 9/20/2016 | <1.0 | 1.0 | --- | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 11/9/2016 | <1.0 | 1.0 | --- | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 3/9/2017 | <1.0 | 1.0 | --- | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 9/14/2017 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 3/12/2018 | **1.10** | 1.0 | 0.297 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 9/10/2018 | <1.0 | 1.0 | 0.297 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 3/26/2019 | <1.0 | 1.0 | 0.297 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 6/5/2019 | <1.0 | 1.0 | 0.297 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 9/16/2019 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 3/24/2020 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 9/2/2020 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 3/8/2021 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 9/14/2021 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 3/28/2022 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 9/13/2022 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 3/23/2023 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 9/5/2023 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 3/6/2024 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 9/18/2024 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 3/11/2025 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |
| Tile 1 | trans-1,2-DCE | 9/4/2025 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/14/2017 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | TCE | 9/20/2016 | <1.0 | 1.0 | --- | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 11/9/2016 | <1.0 | 1.0 | --- | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 3/9/2017 | <1.0 | 1.0 | --- | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 9/14/2017 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 3/12/2018 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 9/10/2018 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 3/26/2019 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 6/5/2019 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 9/16/2019 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 3/24/2020 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 9/2/2020 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 3/8/2021 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 9/14/2021 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 3/28/2022 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 9/13/2022 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 3/23/2023 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 9/5/2023 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 3/6/2024 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 9/18/2024 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 3/11/2025 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |
| Tile 1 | TCE | 9/4/2025 | <1.0 | 1.0 | 0.500 | 5 | | NA | 9/14/2017 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile 1 | Vinyl Chloride | 9/20/2016 | **3.00** | 1.0 | --- | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 11/9/2016 | **3.60** | 1.0 | --- | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 3/9/2017 | **4.00** | 1.0 | --- | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 9/14/2017 | <1.0 | 1.0 | 0.927 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 3/12/2018 | <1.0 | 1.0 | 0.000 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 9/10/2018 | <1.0 | 1.0 | 0.000 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 3/26/2019 | <1.0 | 1.0 | 0.500 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 6/5/2019 | <1.0 | 1.0 | 0.500 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 9/16/2019 | <1.0 | 1.0 | 0.500 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 3/24/2020 | <1.0 | 1.0 | 0.500 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 9/2/2020 | **1.20** | 1.0 | 0.263 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 3/8/2021 | <1.0 | 1.0 | 0.263 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 9/14/2021 | <1.0 | 1.0 | 0.263 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 3/28/2022 | <1.0 | 1.0 | 0.263 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 9/13/2022 | <1.0 | 1.0 | 0.500 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 3/23/2023 | <1.0 | 1.0 | 0.500 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 9/5/2023 | <1.0 | 1.0 | 0.500 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 3/6/2024 | <1.0 | 1.0 | 0.500 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 9/18/2024 | <1.0 | 1.0 | 0.500 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 3/11/2025 | <1.0 | 1.0 | 0.500 | 2 | 9/20/2016 | NA | 9/14/2017 |
| Tile 1 | Vinyl Chloride | 9/4/2025 | **1.40** | 1.0 | 0.196 | 2 | 9/20/2016 | NA | 9/14/2017 |

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

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | Barium | 6/5/2019 | 504 | 564.26 | --- | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 9/16/2019 | 618 | 564.26 | --- | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 3/24/2020 | 459 | 561.21 | --- | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 9/2/2020 | 1060 | 563.15 | 337.038 | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 3/8/2021 | 500 | 563.97 | 335.138 | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 9/14/2021 | 568 | 568.12 | 318.397 | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 3/28/2022 | 504 | 586.70 | 340.632 | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 9/13/2022 | 860 | 572.52 | 407.014 | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 3/23/2023 | 481 | 618.95 | 397.306 | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 9/5/2023 | 590 | 623.33 | 404.140 | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 3/6/2024 | 528 | 623.33 | 415.388 | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 9/18/2024 | 638 | 624.29 | 478.189 | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 3/11/2025 | 451 | 660.31 | 456.631 | 2000 | 9/16/2019 | NA | NA |
| Tile2 | Barium | 9/4/2025 | 697 | 709.80 | 448.950 | 2000 | 9/16/2019 | NA | NA |

**Table 7**
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**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | cobalt | 6/5/2019 | 1.8 | 3.50 | --- | **3.5** | NA | NA | NA |
| Tile2 | cobalt | 9/16/2019 | 2.9 | 3.50 | --- | **3.5** | NA | NA | NA |
| Tile2 | cobalt | 3/24/2020 | 1.1 | 3.50 | --- | **3.5** | NA | NA | NA |
| Tile2 | cobalt | 9/2/2020 | 3.9 | 3.50 | 0.977 | **3.5** | NA | NA | NA |
| Tile2 | cobalt | 3/8/2021 | 1.0 | 3.50 | 0.558 | **3.5** | NA | NA | NA |
| Tile2 | cobalt | 9/14/2021 | 2.3 | 3.50 | 0.484 | **3.5** | NA | NA | NA |
| Tile2 | cobalt | 3/28/2022 | 1.2 | 3.50 | 0.537 | **3.5** | NA | NA | NA |
| Tile2 | cobalt | 9/13/2022 | 6.1 | 7.20 | 0.000 | **7.2** | NA | NA | NA |
| Tile2 | cobalt | 3/23/2023 | 0.6 | 7.20 | 0.000 | **7.2** | NA | NA | NA |
| Tile2 | cobalt | 9/5/2023 | 1.5 | 4.14 | 0.000 | **7.2** | NA | NA | NA |
| Tile2 | cobalt | 3/6/2024 | 0.8 | 4.14 | 0.000 | **7.2** | NA | NA | NA |
| Tile2 | cobalt | 9/18/2024 | 1.8 | 4.23 | 0.507 | **7.2** | NA | NA | NA |
| Tile2 | cobalt | 3/11/2025 | 0.6 | 4.80 | 0.507 | **7.2** | NA | NA | NA |
| Tile2 | cobalt | 9/4/2025 | 1.6 | 5.09 | 0.507 | **7.2** | NA | NA | NA |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | 1,1-dichloroethane | 9/10/2018 | <1.0 | 1.0 | --- | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 3/26/2019 | <1.0 | 1.0 | --- | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 6/5/2019 | <1.0 | 1.0 | --- | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 9/16/2019 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 3/24/2020 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 9/2/2020 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 3/8/2021 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 9/14/2021 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 3/28/2022 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 9/13/2022 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 3/23/2023 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 9/5/2023 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 3/6/2024 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 9/18/2024 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 3/11/2025 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,1-dichloroethane | 9/4/2025 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
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**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | 1,2-dichloropropane | 9/10/2018 | <1.0 | 1.0 | --- | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 3/26/2019 | <1.0 | 1.0 | --- | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 6/5/2019 | <1.0 | 1.0 | --- | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 9/16/2019 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 3/24/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 9/2/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 3/8/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 9/14/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 3/28/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 9/13/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 3/23/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 9/5/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 3/6/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 9/18/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 3/11/2025 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| Tile2 | 1,2-dichloropropane | 9/4/2025 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
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**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | 1,4-dichlorobenzene | 9/10/2018 | <1.0 | 1.0 | --- | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 3/26/2019 | **1.00** | 1.0 | --- | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 6/5/2019 | <1.0 | 1.0 | --- | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 9/16/2019 | <1.0 | 1.0 | 0.331 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 3/24/2020 | <1.0 | 1.0 | 0.331 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 9/2/2020 | <1.0 | 1.0 | 0.500 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 3/8/2021 | <1.0 | 1.0 | 0.500 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 9/14/2021 | <1.0 | 1.0 | 0.500 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 3/28/2022 | <1.0 | 1.0 | 0.500 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 9/13/2022 | <1.0 | 1.0 | 0.500 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 3/23/2023 | <1.0 | 1.0 | 0.500 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 9/5/2023 | <1.0 | 1.0 | 0.500 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 3/6/2024 | <1.0 | 1.0 | 0.500 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 9/18/2024 | <1.0 | 1.0 | 0.500 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 3/11/2025 | <1.0 | 1.0 | 0.500 | 75 | 3/26/2019 | NA | Mar-20 |
| Tile2 | 1,4-dichlorobenzene | 9/4/2025 | <1.0 | 1.0 | 0.500 | 75 | 3/26/2019 | NA | Mar-20 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | benzene | 9/10/2018 | <1.0 | 1.0 | --- | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 3/26/2019 | <1.0 | 1.0 | --- | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 6/5/2019 | <1.0 | 1.0 | --- | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 9/16/2019 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 3/24/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 9/2/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 3/8/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 9/14/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 3/28/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 9/13/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 3/23/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 9/5/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 3/6/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 9/18/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 3/11/2025 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | benzene | 9/4/2025 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | chlorobenzene | 9/10/2018 | <1.0 | 1.0 | --- | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 3/26/2019 | **2.00** | 1.0 | --- | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 6/5/2019 | **1.20** | 1.0 | --- | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 9/16/2019 | **2.20** | 1.0 | 0.557 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 3/24/2020 | **1.00** | 1.0 | 0.907 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 9/2/2020 | **1.10** | 1.0 | 0.721 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 3/8/2021 | <1.0 | 1.0 | 0.357 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 9/14/2021 | <1.0 | 1.0 | 0.398 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 3/28/2022 | <1.0 | 1.0 | 0.398 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 9/13/2022 | <1.0 | 1.0 | 0.500 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 3/23/2023 | <1.0 | 1.0 | 0.500 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 9/5/2023 | <1.0 | 1.0 | 0.500 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 3/6/2024 | <1.0 | 1.0 | 0.500 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 9/18/2024 | **1.10** | 1.0 | 0.297 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 3/11/2025 | <1.0 | 1.0 | 0.297 | 100 | 3/26/2019 | NA | Mar-20 |
| Tile2 | chlorobenzene | 9/4/2025 | **2.20** | 1.0 | 0.132 | 100 | 3/26/2019 | NA | Mar-20 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | cis-1,2-DCE | 9/10/2018 | **6.60** | 1.0 | --- | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 3/26/2019 | **19.90** | 1.0 | --- | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 6/5/2019 | **18.20** | 1.0 | --- | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 9/16/2019 | **5.60** | 1.0 | 3.729 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 3/24/2020 | **10.60** | 1.0 | 5.718 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 9/2/2020 | **1.30** | 1.0 | 0.388 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 3/8/2021 | **8.10** | 1.0 | 1.735 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 9/14/2021 | **3.80** | 1.0 | 1.030 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 3/28/2022 | **2.70** | 1.0 | 0.524 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 9/13/2022 | **4.10** | 1.0 | 1.897 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 3/23/2023 | **6.20** | 1.0 | 2.479 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 9/5/2023 | **2.30** | 1.0 | 1.753 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 3/6/2024 | **6.90** | 1.0 | 2.418 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 9/18/2024 | **2.10** | 1.0 | 1.400 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 3/11/2025 | **1.10** | 1.0 | 0.057 | 70 | 9/10/2018 | NA | Mar-20 |
| Tile2 | cis-1,2-DCE | 9/4/2025 | **4.10** | 1.0 | 0.541 | 70 | 9/10/2018 | NA | Mar-20 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | trans-1,2-DCE | 9/10/2018 | <1.0 | 1.0 | --- | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 3/26/2019 | <1.0 | 1.0 | --- | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 6/5/2019 | <1.0 | 1.0 | --- | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 9/16/2019 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 3/24/2020 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 9/2/2020 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 3/8/2021 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 9/14/2021 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 3/28/2022 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 9/13/2022 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 3/23/2023 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 9/5/2023 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 3/6/2024 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 9/18/2024 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 3/11/2025 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |
| Tile2 | trans-1,2-DCE | 9/4/2025 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | Mar-20 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | TCE | 9/10/2018 | <1.0 | 1.0 | --- | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 3/26/2019 | <1.0 | 1.0 | --- | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 6/5/2019 | <1.0 | 1.0 | --- | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 9/16/2019 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 3/24/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 9/2/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 3/8/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 9/14/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 3/28/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 9/13/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 3/23/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 9/5/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 3/6/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 9/18/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 3/11/2025 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |
| Tile2 | TCE | 9/4/2025 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | Mar-20 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | Vinyl Chloride | 9/10/2018 | <1.0 | 1.0 | --- | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 3/26/2019 | **6.20** | 1.0 | --- | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 6/5/2019 | <1.0 | 1.0 | --- | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 9/16/2019 | **8.30** | 1.0 | 0.000 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 3/24/2020 | **3.50** | 1.0 | 0.649 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 9/2/2020 | **4.70** | 1.0 | 0.455 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 3/8/2021 | **2.40** | 1.0 | 1.712 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 9/14/2021 | **3.30** | 1.0 | 2.362 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 3/28/2022 | **1.30** | 1.0 | 1.233 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 9/13/2022 | **1.60** | 1.0 | 1.096 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 3/23/2023 | **1.90** | 1.0 | 0.984 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 9/5/2023 | **1.60** | 1.0 | 1.312 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 3/6/2024 | **1.00** | 1.0 | 1.081 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 9/18/2024 | **2.70** | 1.0 | 0.968 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 3/11/2025 | <1.0 | 1.0 | 0.336 | 2 | 3/26/2019 | NA | Mar-20 |
| Tile2 | Vinyl Chloride | 9/4/2025 | **4.20** | 1.0 | 0.115 | 2 | 3/26/2019 | NA | Mar-20 |

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

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-14D | antimony | 3/4/2016 | --- | 2.00 | --- | 6 | NA | NA | 3/12/2018 |
| MW-14D | antimony | 9/20/2016 | <2 | 2.00 | --- | 6 | NA | NA | 3/12/2018 |
| MW-14D | antimony | 3/9/2017 | <2 | 2.00 | --- | 6 | NA | NA | 3/12/2018 |
| MW-14D | antimony | 9/14/2017 | <2 | 2.00 | --- | 6 | NA | NA | 3/12/2018 |
| MW-14D | antimony | 3/12/2018 | 2.80 | 2.00 | 0.391 | 6 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 6/11/2018 | 2.60 | 2.00 | 0.391 | 6 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 9/10/2018 | 2.20 | 2.00 | 1.291 | 6 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 3/26/2019 | 2.70 | 2.00 | 2.295 | 6 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 9/16/2019 | 3.10 | 2.00 | 2.215 | 6 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 3/24/2020 | 3.00 | 2.00 | 2.275 | 6 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 9/2/2020 | 2.80 | 10.90 | 2.742 | **10.9** | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 3/8/2021 | 2.30 | 10.90 | 2.492 | **10.9** | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 9/14/2021 | 2.30 | 10.90 | 2.292 | **10.9** | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 3/28/2022 | 3.10 | 10.90 | 2.283 | **10.9** | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 9/13/2022 | <2 | 10.90 | 1.422 | **10.9** | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 3/23/2023 | 2.10 | 10.90 | 1.422 | **10.9** | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 9/5/2023 | 2.30 | 10.90 | 1.422 | **10.9** | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 3/6/2024 | 2.20 | 10.90 | 1.355 | **10.9** | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 9/18/2024 | <2.0 | 10.90 | 0.999 | **10.9** | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 3/11/2025 | <2.0 | 10.90 | 0.999 | **10.9** | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | antimony | 9/4/2025 | 2.10 | 10.90 | 0.999 | **10.9** | 3/12/2018 | 6/12/2018 | 3/12/2018 |

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**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-14D | cobalt | 9/20/2016 | <0.8 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 3/9/2017 | <0.8 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 9/14/2017 | <0.8 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 3/12/2018 | 3.10 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 9/10/2018 | 2.70 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 3/26/2019 | 4.20 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 9/16/2019 | 3.90 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 3/24/2020 | 3.80 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 9/2/2020 | 2.30 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 3/8/2021 | 3.00 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 9/14/2021 | 4.60 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 3/28/2022 | 0.90 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 9/13/2022 | 8.50 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 3/23/2023 | 1.50 | 5.40 | --- | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 9/5/2023 | 5.90 | 5.40 | 0.000 | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 11/28/2023 | 6.10 | 5.40 | 0.000 | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 3/6/2024 | 4.70 | 5.40 | 2.050 | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 9/18/2024 | 1.50 | 5.40 | 2.050 | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 3/11/2025 | 2.60 | 5.40 | 1.295 | **5.4** | 11/28/2023 | NA | 9/10/2018 |
| MW-14D | cobalt | 9/4/2025 | <0.5 | 5.40 | 0.142 | **5.4** | 11/28/2023 | NA | 9/10/2018 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-14D | selenium | 3/4/2016 | --- | 4.00 | --- | 50 | NA | NA | 3/12/2018 |
| MW-14D | selenium | 9/20/2016 | <4 | 4.00 | --- | 50 | NA | NA | 3/12/2018 |
| MW-14D | selenium | 3/9/2017 | <4 | 4.00 | --- | 50 | NA | NA | 3/12/2018 |
| MW-14D | selenium | 9/14/2017 | <4 | 4.00 | --- | 50 | NA | NA | 3/12/2018 |
| MW-14D | selenium | 3/12/2018 | 58.90 | 4.00 | 0.000 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 6/11/2018 | 74.50 | 4.00 | 1.533 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 9/10/2018 | 93.30 | 4.00 | 23.071 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 3/26/2019 | 58.70 | 4.00 | 57.148 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 7/17/2019 | 44.50 | 4.00 | 49.578 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 9/16/2019 | 34.50 | 4.00 | 35.497 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 3/24/2020 | 20.40 | 4.00 | 25.530 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 7/20/2020 | 14.00 | 4.00 | 16.436 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 9/2/2020 | 14.00 | 4.00 | 12.354 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 3/8/2021 | 6.90 | 4.00 | 9.049 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 9/14/2021 | <4.00 | 4.00 | 4.145 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 3/28/2022 | <4.00 | 4.00 | 1.311 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 9/13/2022 | <4.00 | 4.00 | 1.103 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 3/23/2023 | <4.00 | 4.00 | 2.000 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 9/5/2023 | <4.00 | 4.00 | 2.000 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 3/6/2024 | <4.00 | 4.00 | 2.000 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 9/18/2024 | <4.00 | 4.00 | 2.000 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 3/11/2025 | <4.00 | 4.00 | 2.000 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |
| MW-14D | selenium | 9/4/2025 | <2.00 | 4.00 | 2.000 | 50 | 3/12/2018 | 6/12/2018 | 3/12/2018 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-14D | Cis-1,2-DCE | 3/4/2016 | 1.40 | 1.00 | 0.000 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 9/20/2016 | <1.0 | 1.00 | 0.196 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 3/9/2017 | <1.0 | 1.00 | 0.196 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 9/14/2017 | <1.0 | 1.00 | 0.196 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 3/12/2018 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 9/10/2018 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 3/26/2019 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 9/16/2019 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 3/24/2020 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 9/2/2020 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 3/8/2021 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 9/14/2021 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 3/28/2022 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 9/13/2022 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 3/23/2023 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 9/5/2023 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 3/6/2024 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 9/18/2024 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 3/11/2025 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |
| MW-14D | Cis-1,2-DCE | 9/4/2025 | <1.0 | 1.00 | 0.500 | 70 | 3/4/2016 | 6/4/2016 | 9/21/2016 |

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

selenium = completed Corrective Action

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-17R | barium | 3/4/2016 | 378.00 | 200.63 | --- | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 9/20/2016 | 369.00 | 200.63 | --- | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 3/9/2017 | 369.00 | 200.63 | 347.792 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 9/14/2017 | 411.00 | 200.63 | 358.276 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 3/12/2018 | 408.00 | 200.63 | 361.708 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 9/10/2018 | 406.00 | 182.14 | 375.24 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 3/26/2019 | 430.00 | 130.00 | 400.78 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 9/16/2019 | 533.00 | 130.00 | 373.488 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 3/24/2020 | 429.00 | 130.00 | 382.734 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 9/2/2020 | 398.00 | 158.84 | 378.212 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 3/8/2021 | 416.00 | 125.50 | 372.623 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 9/14/2021 | 442.00 | 119.96 | 399.152 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 3/28/2022 | 446.00 | 114.79 | 398.858 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 9/13/2022 | 587.00 | 111.96 | 381.800 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 3/23/2023 | 446.00 | 109.31 | 396.508 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 9/5/2023 | 422.00 | 107.48 | 386.612 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 3/6/2024 | 432.00 | 124.06 | 380.633 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 9/18/2024 | 435.00 | 106.31 | 422.130 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 3/11/2025 | 410.00 | 105.88 | 411.463 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | barium | 9/4/2025 | 459.00 | 105.93 | 410.415 | 2000 | 3/4/2016 | 6/4/2016 | 12/1/2015 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
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**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-17R | cobalt | 3/4/2016 | 1.20 | 8.2 | --- | **8.2** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 9/20/2016 | 1.50 | 8.2 | --- | **8.2** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 3/9/2017 | 1.10 | 8.2 | --- | **8.2** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 9/14/2017 | <0.8 | 8.2 | --- | **8.2** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 3/12/2018 | <2.0 | 8.2 | --- | **8.2** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 9/10/2018 | 0.80 | 8.2 | --- | **8.2** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 3/26/2019 | 0.90 | 8.2 | --- | **8.2** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 9/16/2019 | <0.8 | 8.2 | --- | **8.2** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 3/24/2020 | 1.10 | 8.2 | --- | **8.2** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 9/2/2020 | 1.10 | 8.2 | --- | **8.2** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 3/8/2021 | 0.90 | 5.1 | --- | **5.1** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 9/14/2021 | 1.50 | 5.1 | --- | **5.1** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 3/28/2022 | 2.10 | 5.4 | --- | **5.4** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 9/13/2022 | 5.60 | 5.4 | 0.046 | **5.4** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 3/23/2023 | 1.60 | 5.4 | 0.405 | **5.4** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 9/5/2023 | 1.80 | 5.4 | 0.547 | **5.4** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 3/6/2024 | 4.00 | 5.4 | 1.007 | **5.4** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 9/18/2024 | 4.10 | 5.4 | 1.275 | **5.4** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 3/11/2025 | 1.90 | 5.4 | 1.454 | **5.4** | 9/13/2022 | NA | 3/12/2018 |
| MW-17R | cobalt | 9/4/2025 | 1.60 | 5.4 | 1.331 | **5.4** | 9/13/2022 | NA | 3/12/2018 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
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**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-17R | nickel | 3/4/2016 | 16.30 | 20.00 | --- | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 9/20/2016 | 15.20 | 20.00 | --- | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 3/9/2017 | 16.60 | 20.00 | --- | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 9/14/2017 | 20.10 | 20.00 | 14.556 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 12/13/2017 | 17.20 | 20.00 | 14.556 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 3/12/2018 | 17.60 | 20.00 | 16.064 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 9/10/2018 | 18.10 | 20.00 | 16.736 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 3/26/2019 | 20.30 | 20.00 | 16.673 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 9/16/2019 | 21.40 | 20.00 | 17.232 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 3/24/2020 | 19.20 | 20.00 | 18.080 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 9/2/2020 | 19.00 | 20.00 | 18.671 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 3/8/2021 | 20.80 | 11.80 | 18.708 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 9/14/2021 | 21.80 | 11.80 | 18.628 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 3/28/2022 | 22.30 | 11.80 | 19.261 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 9/13/2022 | 28.90 | 11.80 | 19.114 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 3/23/2023 | 22.20 | 11.80 | 19.793 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 9/5/2023 | 21.40 | 11.80 | 19.595 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 3/6/2024 | 18.90 | 11.80 | 17.826 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 9/18/2024 | 24.20 | 11.80 | 19.095 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 3/11/2025 | 22.50 | 11.80 | 19.136 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |
| MW-17R | nickel | 9/4/2025 | 22.50 | 11.80 | 19.399 | 100 | 3/26/2019 | 6/26/2019 | 12/1/2015 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
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**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-17R | Cis-1,2-DCE | 3/4/2016 | 3.70 | 1.00 | 1.794 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 9/20/2016 | 2.60 | 1.00 | 2.253 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 3/9/2017 | 6.00 | 1.00 | 2.283 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 9/14/2017 | 2.70 | 1.00 | 1.891 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 3/12/2018 | 3.50 | 1.00 | 1.835 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 9/10/2018 | 2.70 | 1.00 | 1.887 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 3/26/2019 | 3.40 | 1.00 | 2.563 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 9/16/2019 | 4.90 | 1.00 | 2.541 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 3/24/2020 | 4.30 | 1.00 | 2.683 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 9/2/2020 | 3.10 | 1.00 | 2.953 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 3/8/2021 | 3.30 | 1.00 | 2.902 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 9/14/2021 | 4.00 | 1.00 | 3.007 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 3/28/2022 | 4.10 | 1.00 | 3.038 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 9/13/2022 | 3.40 | 1.00 | 3.220 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 3/23/2023 | 2.20 | 1.00 | 2.398 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 9/5/2023 | 3.70 | 1.00 | 2.387 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 3/6/2024 | 1.10 | 1.00 | 1.198 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 9/18/2024 | 1.60 | 1.00 | 0.824 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 3/11/2025 | <1.0 | 1.00 | 0.088 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |
| MW-17R | Cis-1,2-DCE | 9/4/2025 | <1.0 | 1.00 | 0.300 | 70 | 3/4/2016 | 6/4/2016 | 12/1/2015 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-17R | Trans-1,2-DCE | 3/4/2016 | <1.0 | 1.00 | 0.500 | 100 | NA | NA | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 9/20/2016 | <1.0 | 1.00 | 0.500 | 100 | NA | NA | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 3/9/2017 | <1.0 | 1.00 | 0.500 | 100 | NA | NA | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 9/14/2017 | <1.0 | 1.00 | 0.500 | 100 | NA | NA | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 3/12/2018 | 3.30 | 1.00 | 0.000 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 9/10/2018 | <1.0 | 1.00 | 0.000 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 3/26/2019 | <1.0 | 1.00 | 0.000 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 9/16/2019 | <1.0 | 1.00 | 0.000 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 3/24/2020 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 9/2/2020 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 3/8/2021 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 9/14/2021 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 3/28/2022 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 9/13/2022 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 3/23/2023 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 9/5/2023 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 3/6/2024 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 9/18/2024 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 3/11/2025 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |
| MW-17R | Trans-1,2-DCE | 9/4/2025 | <1.0 | 1.00 | 0.500 | 100 | 3/12/2018 | 6/12/2018 | 12/1/2015 |

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

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

KEY: | SSI | SSL LCL>GWPS

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

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

cobalt = *An Alternate Source Study has been completed for metals at MW-28.*

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | arsenic | 3/24/2020 | 72.8 | 21.9 | --- | **21.9** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | arsenic | 9/2/2020 | <4.0 | 21.9 | --- | **21.9** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | arsenic | 3/8/2021 | 13.8 | 5.8 | --- | **10** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | arsenic | 10/15/2021 | 4.3 | 5.8 | 0.000 | **10** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | arsenic | 3/28/2022 | 38.7 | 5.8 | 0.000 | **10** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | arsenic | 9/13/2022 | 8.2 | 5.8 | 0.000 | **10** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | arsenic | 3/23/2023 | 100 | 5.8 | 0.000 | **10** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | arsenic | 9/5/2023 | 8.8 | 5.8 | 0.000 | **10** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | arsenic | 3/6/2024 | 59.7 | 5.8 | 0.000 | **10** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | arsenic | 9/18/2024 | 4.0 | 5.8 | 0.000 | **10** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | arsenic | 3/11/2025 | 64.8 | 5.8 | 0.000 | **10** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | arsenic | 9/4/2025 | 5.0 | 5.8 | 0.000 | **10** | 3/24/2020 | NA | 3/28/2022 |

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| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

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| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | barium | 3/24/2020 | 1030 | 130.000 | --- | **2000** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | barium | 9/2/2020 | 655 | 130.000 | --- | **2000** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | barium | 3/8/2021 | 735 | 125.503 | --- | **2000** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | barium | 10/15/2021 | 679 | 119.960 | 570.739 | **2000** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | barium | 3/28/2022 | 1080 | 114.793 | 554.316 | **2000** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | barium | 9/13/2022 | 865 | 111.959 | 630.240 | **2000** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | barium | 3/23/2023 | 1570 | 109.310 | 596.403 | **2000** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | barium | 9/5/2023 | 647 | 107.479 | 576.115 | **2000** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | barium | 3/6/2024 | 1390 | 124.064 | 607.911 | **2000** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | barium | 9/18/2024 | 652 | 106.306 | 494.142 | **2000** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | barium | 3/11/2025 | 1340 | 105.877 | 520.733 | **2000** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | barium | 9/4/2025 | 688 | 105.928 | 544.578 | **2000** | 3/24/2020 | NA | 3/28/2022 |

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cobalt = *An Alternate Source Study has been completed for metals at MW-28.*

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | cobalt | 3/24/2020 | 38.2 | 8.2 | --- | **8.2** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | cobalt | 9/2/2020 | 41.9 | 8.2 | --- | **8.2** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | cobalt | 3/8/2021 | 47.3 | 5.1 | --- | **5.1** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | cobalt | 10/15/2021 | 40.7 | 5.1 | 37.509 | **5.1** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | cobalt | 3/28/2022 | 79.3 | 5.4 | 30.859 | **5.4** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | cobalt | 9/13/2022 | 54.2 | 5.4 | 35.525 | **5.4** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | cobalt | 3/23/2023 | 82.1 | 5.4 | 40.543 | **5.4** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | cobalt | 9/5/2023 | 28.6 | 5.4 | 31.634 | **5.4** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | cobalt | 3/6/2024 | 72.7 | 5.4 | 31.665 | **5.4** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | cobalt | 9/18/2024 | 23.4 | 5.4 | 16.414 | **5.4** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | cobalt | 3/11/2025 | 59.0 | 5.4 | 17.962 | **5.4** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | cobalt | 9/4/2025 | 17.2 | 5.4 | 11.309 | **5.4** | 3/24/2020 | NA | 3/28/2022 |

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| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | nickel | 3/24/2020 | 20.2 | 20.0 | --- | **100** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | nickel | 9/2/2020 | 21.5 | 20.0 | --- | **100** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | nickel | 3/8/2021 | 23.7 | 11.8 | --- | **100** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | nickel | 10/15/2021 | 18.8 | 11.8 | 18.600 | **100** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | nickel | 3/28/2022 | 29.0 | 11.8 | 18.162 | **100** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | nickel | 9/13/2022 | 22.0 | 11.8 | 18.358 | **100** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | nickel | 3/23/2023 | 29.8 | 11.8 | 18.586 | **100** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | nickel | 9/5/2023 | 19.1 | 11.8 | 18.794 | **100** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | nickel | 3/6/2024 | 26.9 | 11.8 | 18.799 | **100** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | nickel | 9/18/2024 | 15.2 | 11.8 | 14.794 | **100** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | nickel | 3/11/2025 | 24.0 | 11.8 | 15.199 | **100** | 3/24/2020 | NA | 3/28/2022 |
| MW-28 | nickel | 9/4/2025 | 11.0 | 11.8 | 10.606 | **100** | 3/24/2020 | NA | 3/28/2022 |

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| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | selenium | 7/17/2019 | <4 | 4.0 | --- | 50 | NA | NA | NA |
| MW-28 | selenium | 9/16/2019 | <4 | 4.0 | --- | 50 | NA | NA | NA |
| MW-28 | selenium | 3/24/2020 | <4 | 4.0 | --- | 50 | NA | NA | NA |
| MW-28 | selenium | 9/2/2020 | <4 | 4.0 | 2.000 | 50 | NA | NA | NA |
| MW-28 | selenium | 3/8/2021 | <4 | 4.0 | 2.000 | 50 | NA | NA | NA |
| MW-28 | selenium | 10/15/2021 | <4 | 4.0 | 2.000 | 50 | NA | NA | NA |
| MW-28 | selenium | 3/28/2022 | <4 | 4.0 | 2.000 | 50 | NA | NA | NA |
| MW-28 | selenium | 9/13/2022 | <4 | 4.0 | 2.000 | 50 | NA | NA | NA |
| MW-28 | selenium | 3/23/2023 | <4 | 4.0 | 2.000 | 50 | NA | NA | NA |
| MW-28 | selenium | 9/5/2023 | <4 | 4.0 | 2.000 | 50 | NA | NA | NA |
| MW-28 | selenium | 3/6/2024 | <4 | 4.0 | 2.000 | 50 | NA | NA | NA |
| MW-28 | selenium | 9/18/2024 | <4 | 4.0 | 2.000 | 50 | NA | NA | NA |
| MW-28 | selenium | 3/11/2025 | <4 | 4.0 | 2.000 | 50 | NA | NA | NA |
| MW-28 | selenium | 9/4/2025 | <2 | 4.0 | 2.000 | 50 | NA | NA | NA |

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| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | 1,1-dichloroethane | 9/20/2016 | <1.0 | 1.0 | --- | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 3/9/2017 | <1.0 | 1.0 | --- | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 9/14/2017 | <1.0 | 1.0 | --- | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 3/12/2018 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 9/10/2018 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 3/26/2019 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 9/16/2019 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 3/24/2020 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 9/2/2020 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 3/8/2021 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 10/15/2021 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 3/28/2022 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 9/13/2022 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 3/23/2023 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 9/5/2023 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 3/6/2024 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 9/18/2024 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 3/11/2025 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |
| MW-28 | 1,1-dichloroethane | 9/4/2025 | <1.0 | 1.0 | 0.500 | 140 | NA | NA | NA |

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KEY: | SSI | SSL LCL>GWPS

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| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | 1,2-dichloropropane | 9/20/2016 | <1.0 | 1.0 | --- | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 3/9/2017 | <1.0 | 1.0 | --- | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 9/14/2017 | <1.0 | 1.0 | --- | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 3/12/2018 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 9/10/2018 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 3/26/2019 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 9/16/2019 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 3/24/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 9/2/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 3/8/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 10/15/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 3/28/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 9/13/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 3/23/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 9/5/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 3/6/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 9/18/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 3/11/2025 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | 1,2-dichloropropane | 9/4/2025 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |

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| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | 1,4-dichlorobenzene | 9/20/2016 | <1.0 | 1.0 | --- | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 3/9/2017 | <1.0 | 1.0 | --- | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 9/14/2017 | <1.0 | 1.0 | --- | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 3/12/2018 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 9/10/2018 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 3/26/2019 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 9/16/2019 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 3/24/2020 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 9/2/2020 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 3/8/2021 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 10/15/2021 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 3/28/2022 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 9/13/2022 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 3/23/2023 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 9/5/2023 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 3/6/2024 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 9/18/2024 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 3/11/2025 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |
| MW-28 | 1,4-dichlorobenzene | 9/4/2025 | <1.0 | 1.0 | 0.500 | 75 | NA | NA | NA |

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| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | benzene | 9/20/2016 | <1.0 | 1.0 | --- | 5 | NA | NA | NA |
| MW-28 | benzene | 3/9/2017 | <1.0 | 1.0 | --- | 5 | NA | NA | NA |
| MW-28 | benzene | 9/14/2017 | <1.0 | 1.0 | --- | 5 | NA | NA | NA |
| MW-28 | benzene | 3/12/2018 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 9/10/2018 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 3/26/2019 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 9/16/2019 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 3/24/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 9/2/2020 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 3/8/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 10/15/2021 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 3/28/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 9/13/2022 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 3/23/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 9/5/2023 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 3/6/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 9/18/2024 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 3/11/2025 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |
| MW-28 | benzene | 9/4/2025 | <1.0 | 1.0 | 0.500 | 5 | NA | NA | NA |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

KEY: | SSI | SSL LCL>GWPS

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

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

cobalt = *An Alternate Source Study has been completed for metals at MW-28.*

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | chlorobenzene | 9/20/2016 | <1.0 | 1.0 | --- | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 3/9/2017 | <1.0 | 1.0 | --- | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 9/14/2017 | <1.0 | 1.0 | --- | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 3/12/2018 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 9/10/2018 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 3/26/2019 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 9/16/2019 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 3/24/2020 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 9/2/2020 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 3/8/2021 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 10/15/2021 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 3/28/2022 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 9/13/2022 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 3/23/2023 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 9/5/2023 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 3/6/2024 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 9/18/2024 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 3/11/2025 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |
| MW-28 | chlorobenzene | 9/4/2025 | <1.0 | 1.0 | 0.500 | 100 | NA | NA | NA |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS |
|---|---|---|

*Note: The absence of shading indicates that the condition does not exist.*
***BOLD GWPS** = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.*
cobalt = *An Alternate Source Study has been completed for metals at MW-28.*

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | cis-1,2-DCE | 9/20/2016 | **5.00** | 1.0 | --- | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 3/9/2017 | **15.30** | 1.0 | --- | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 9/14/2017 | **15.20** | 1.0 | --- | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 3/12/2018 | **21.60** | 1.0 | 6.194 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 9/10/2018 | **12.20** | 1.0 | 11.424 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 3/26/2019 | **17.70** | 1.0 | 11.994 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 9/16/2019 | **13.40** | 1.0 | 11.177 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 3/24/2020 | **15.60** | 1.0 | 11.864 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 9/2/2020 | **17.10** | 1.0 | 13.697 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 3/8/2021 | **10.30** | 1.0 | 10.625 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 10/15/2021 | **21.00** | 1.0 | 10.790 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 3/28/2022 | **15.70** | 1.0 | 10.818 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 9/13/2022 | **14.10** | 1.0 | 10.055 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 3/23/2023 | **10.00** | 1.0 | 9.846 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 9/5/2023 | **12.20** | 1.0 | 10.108 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 3/6/2024 | **9.20** | 1.0 | 8.769 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 9/18/2024 | **10.80** | 1.0 | 9.045 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 3/11/2025 | **4.90** | 1.0 | 5.554 | 70 | 9/20/2016 | NA | 9/10/2018 |
| MW-28 | cis-1,2-DCE | 9/4/2025 | **3.40** | 1.0 | 2.965 | 70 | 9/20/2016 | NA | 9/10/2018 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

KEY: | SSI | SSL LCL>GWPS

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

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

cobalt = *An Alternate Source Study has been completed for metals at MW-28.*

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | trans-1,2-DCE | 9/20/2016 | <1.0 | 1.0 | --- | 100 | NA | NA | NA |
| MW-28 | trans-1,2-DCE | 3/9/2017 | <1.0 | 1.0 | --- | 100 | NA | NA | NA |
| MW-28 | trans-1,2-DCE | 9/14/2017 | <1.0 | 1.0 | --- | 100 | NA | NA | NA |
| MW-28 | trans-1,2-DCE | 3/12/2018 | **20.20** | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 9/10/2018 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 3/26/2019 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 9/16/2019 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 3/24/2020 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 9/2/2020 | **1.10** | 1.0 | 0.297 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 3/8/2021 | <1.0 | 1.0 | 0.297 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 10/15/2021 | <1.0 | 1.0 | 0.297 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 3/28/2022 | <1.0 | 1.0 | 0.297 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 9/13/2022 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 3/23/2023 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 9/5/2023 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 3/6/2024 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 9/18/2024 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 3/11/2025 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | trans-1,2-DCE | 9/4/2025 | <1.0 | 1.0 | 0.500 | 100 | 3/12/2018 | NA | 9/10/2018 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

KEY: | SSI | SSL LCL>GWPS

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

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

cobalt = *An Alternate Source Study has been completed for metals at MW-28.*

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | TCE | 9/20/2016 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 3/9/2017 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 9/14/2017 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 3/12/2018 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 9/10/2018 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 3/26/2019 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 9/16/2019 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 3/24/2020 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 9/2/2020 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 3/8/2021 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 10/15/2021 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 3/28/2022 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 9/13/2022 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 3/23/2023 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 9/5/2023 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 3/6/2024 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 9/18/2024 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 3/11/2025 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |
| MW-28 | TCE | 9/4/2025 | <1.0 | 1.0 | --- | 5 | 3/12/2018 | NA | 9/10/2018 |

**Table 7**
**Summary of Ongoing & Newly Identified SSI**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

KEY: | SSI | SSL LCL>GWPS

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

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

cobalt = *An Alternate Source Study has been completed for metals at MW-28.*

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | GWPS Limit (ug/L) | SSI Initial Exceedance | Resamples Due | 5th Background Sample |
|---|---|---|---|---|---|---|---|---|---|
| MW-28 | Vinyl Chloride | 9/20/2016 | <1.0 | 1.0 | --- | 2 | NA | NA | NA |
| MW-28 | Vinyl Chloride | 3/9/2017 | **1.80** | 1.0 | --- | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 9/14/2017 | **1.10** | 1.0 | --- | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 3/12/2018 | **2.00** | 1.0 | 0.544 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 9/10/2018 | <1.0 | 1.0 | 0.544 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 3/26/2019 | **1.40** | 1.0 | 0.515 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 9/16/2019 | <1.0 | 1.0 | 0.236 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 3/24/2020 | <1.0 | 1.0 | 0.196 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 9/2/2020 | **1.50** | 1.0 | 0.328 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 3/8/2021 | <1.0 | 1.0 | 0.162 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 10/15/2021 | **1.60** | 1.0 | 0.310 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 3/28/2022 | **1.50** | 1.0 | 0.665 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 9/13/2022 | <1.0 | 1.0 | 0.310 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 3/23/2023 | **1.20** | 1.0 | 0.616 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 9/5/2023 | <1.0 | 1.0 | 0.330 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 3/6/2024 | <1.0 | 1.0 | 0.263 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 9/18/2024 | **1.30** | 1.0 | 0.363 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 3/11/2025 | <1.0 | 1.0 | 0.229 | 2 | 3/9/2017 | NA | 9/10/2018 |
| MW-28 | Vinyl Chloride | 9/4/2025 | <1.0 | 1.0 | | 2 | 3/9/2017 | NA | 9/10/2018 |

Table 8 - Summary of Ongoing and Newly Identified SSL

**Table 8**
**Summary of Ongoing & Newly Identified SSL**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS | SSL UCL>GWPS |
|---|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | 95% UCL (ug/L) | GWPS Limit (ug/L) | SSL Initial Exceedance | Compliance Date 1st Occurrence | Compliance Date Most Recent | Compliance Date Duration (years) |
|---|---|---|---|---|---|---|---|---|---|
| Tile2 | Vinyl Chloride | 9/10/2018 | <1.0 | --- | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 3/26/2019 | **6.20** | --- | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 6/5/2019 | <1.0 | --- | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 9/16/2019 | **8.30** | 8.569 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 3/24/2020 | **3.50** | 8.601 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 9/2/2020 | **4.70** | 8.045 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 3/8/2021 | **2.40** | 7.738 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 9/14/2021 | **3.30** | 4.588 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 3/28/2022 | **1.30** | 4.617 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 9/13/2022 | **1.60** | 3.204 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 3/23/2023 | **1.90** | 3.066 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 9/5/2023 | **1.60** | 1.888 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 3/6/2024 | **1.00** | 1.969 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 9/18/2024 | **2.70** | 2.632 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 3/11/2025 | <1.0 | 2.564 | 2 | NA | NA | NA | NA |
| Tile2 | Vinyl Chloride | 9/4/2025 | **4.20** | 4.085 | 2 | NA | NA | NA | NA |

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

Table 9 – Analytical Data Summary

## Table 9

## Analytical Data Summary for GU-2

| Constituents | Units | 11/13/2023 | 11/28/2023<br>12/5/2023 | 1/8/2024 | 3/6/2024 | 6/3/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | | | | <5 | | <5 | <5 | <5 |
| 1,2-dibromoethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | | | | <1 | | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | | | | <10 | | <10 | <10 | <10 |
| 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 | 4.7 | 2.9 | 2.0 | 2.0 | 2.6 | <2.0 | <2.0 | 1.7 |
| Arsenic, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <2 |
| Barium, total | ug/L | 182.0 | 186.0 | 219.0 | 183.0 | 174.0 | 230.0 | 79.6 | 203.0 |
| Benzene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Bromochloromethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Bromoform | ug/L | | | | <1 | | <1 | <1 | <1 |
| Bromomethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.2 |
| Carbon disulfide | ug/L | | | | <1 | | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | | | | <1 | | <1 | <1 | <1 |
| Chlorobenzene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Chloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Chloroform | ug/L | | | | <1 | | <1 | <1 | <1 |
| Chloromethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <1 |
| Cis-1,2-dichloroethylene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Cobalt, total | ug/L | 4.4 | 2.5 | 1.9 | .8 | 1.0 | <.4 | .5 | <.5 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | 4 | <4 | <5 |
| Dibromochloromethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Dibromomethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Ethylbenzene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <1 |
| Methyl iodide | ug/L | | | | <1 | | <1 | <1 | <1 |
| Methylene chloride | ug/L | | | | <5 | | <5 | <5 | <5 |
| Nickel, total | ug/L | 35.0 | 34.4 | 30.8 | 18.9 | 22.2 | 20.6 | 14.8 | <5.0 |
| Selenium, total | ug/L | <4.0 | <4.0 | <4.0 | 168.0 | 320.0 | <4.0 | 1160.0 | 5.5 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Styrene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Thallium, total | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| Toluene | ug/L | | | | <1 | | <1 | <1 | <1 |
| 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 | <20 | <20 | <20 | <2 |
| Vinyl acetate | ug/L | | | | <5 | | <5 | <5 | <5 |
| Vinyl chloride | ug/L | | | | <1 | | <1 | <1 | <1 |
| Xylenes, total | ug/L | | | | <2 | | <2 | <2 | <2 |
| Zinc, total | ug/L | <20.0 | 666.0 | 725.0 | 691.0 | 238.0 | 320.0 | 53.5 | 7.4 |

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

## Table 9

## Analytical Data Summary for GU-A

| Constituents | Units | 11/28/2023 12/5/2023 | 1/8/2024 | 3/6/2024 | 6/3/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | | | <1 | | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | | | <1 | | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | | | <1 | | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | | | <1 | | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | | | <1 | | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | | | <1 | | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | | | <1 | | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | | | <5 | | <5 | <5 | <5 |
| 1,2-dibromoethane | ug/L | | | <1 | | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | | | <1 | | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | | | <1 | | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | | | <1 | | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | | | <1 | | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | | | <10 | | <10 | <10 | <10 |
| 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 | 10.0 | 8.3 | 5.6 | 3.2 | 2.7 | <2.0 | <1.0 |
| Arsenic, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <2 |
| Barium, total | ug/L | 34.0 | 31.2 | 25.8 | 224.0 | 44.8 | 33.3 | 33.6 |
| Benzene | ug/L | | | <1 | | <1 | <1 | <1 |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Bromochloromethane | ug/L | | | <1 | | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | | | <1 | | <1 | <1 | <1 |
| Bromoform | ug/L | | | <1 | | <1 | <1 | <1 |
| Bromomethane | ug/L | | | <1 | | <1 | <1 | <1 |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | 1.5 | <.8 | 1.0 | .9 |
| Carbon disulfide | ug/L | | | <1 | | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | | | <1 | | <1 | <1 | <1 |
| Chlorobenzene | ug/L | | | <1 | | <1 | <1 | <1 |
| Chloroethane | ug/L | | | <1 | | <1 | <1 | <1 |
| Chloroform | ug/L | | | <1 | | <1 | <1 | <1 |
| Chloromethane | ug/L | | | <1 | | <1 | <1 | <1 |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | <8 | <1 |
| Cis-1,2-dichloroethylene | ug/L | | | <1 | | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | | | <1 | | <1 | <1 | <1 |
| Cobalt, total | ug/L | <.4 | <.4 | <.4 | 1.6 | 3.5 | .7 | .6 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Dibromochloromethane | ug/L | | | <1 | | <1 | <1 | <1 |
| Dibromomethane | ug/L | | | <1 | | <1 | <1 | <1 |
| Ethylbenzene | ug/L | | | <1 | | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <1 |
| Methyl iodide | ug/L | | | <1 | | <1 | <1 | <1 |
| Methylene chloride | ug/L | | | <5 | | <5 | <5 | <5 |
| Nickel, total | ug/L | 27.5 | 46.8 | 36.9 | 27.5 | 77.5 | 54.0 | 46.2 |
| Selenium, total | ug/L | 25.3 | 25.2 | 19.6 | 23.2 | <4.0 | 8.1 | <2.0 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Styrene | ug/L | | | <1 | | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | | | <1 | | <1 | <1 | <1 |
| Thallium, total | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| Toluene | ug/L | | | <1 | | <1 | <1 | <1 |
| 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 | <20 | <20 | <2 |
| Vinyl acetate | ug/L | | | <5 | | <5 | <5 | <5 |
| Vinyl chloride | ug/L | | | <1 | | <1 | <1 | <1 |
| Xylenes, total | ug/L | | | <2 | | <2 | <2 | <2 |
| Zinc, total | ug/L | 1350 | 323 | 877 | 160 | 739 | 1720 | 362 |

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

## Table 9

## Analytical Data Summary for GU-B

| Constituents | Units | 11/13/2023 | 11/28/2023<br>12/5/2023 | 1/8/2024 | 3/6/2024 | 6/3/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | | | | <5 | | <5 | <5 | <5 |
| 1,2-dibromoethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | | | | <1 | | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | | | | <1 | | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | | | | <10 | | <10 | <10 | <10 |
| 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 | 7.8 | 6.9 | 5.7 | 7.8 | 3.8 | <2.0 | <2.0 | <1.0 |
| Arsenic, total | ug/L | 4.4 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <2.0 |
| Barium, total | ug/L | 68.4 | 55.3 | 55.3 | 77.8 | 36.4 | 277.0 | 181.0 | 339.0 |
| Benzene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Bromochloromethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Bromoform | ug/L | | | | <1 | | <1 | <1 | <1 |
| Bromomethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | 1.2 | 1.6 | .4 |
| Carbon disulfide | ug/L | | | | <1 | | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | | | | <1 | | <1 | <1 | <1 |
| Chlorobenzene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Chloroethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Chloroform | ug/L | | | | <1 | | <1 | <1 | <1 |
| Chloromethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <1 |
| Cis-1,2-dichloroethylene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Cobalt, total | ug/L | 1.0 | .7 | .6 | 1.7 | <.4 | 10.2 | 1.0 | <.5 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Dibromochloromethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Dibromomethane | ug/L | | | | <1 | | <1 | <1 | <1 |
| Ethylbenzene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <1 |
| Methyl iodide | ug/L | | | | <1 | | <1 | <1 | <1 |
| Methylene chloride | ug/L | | | | <5 | | <5 | <5 | <5 |
| Nickel, total | ug/L | 20.7 | 15.0 | 17.6 | 41.0 | 55.9 | 33.3 | 18.3 | 10.0 |
| Selenium, total | ug/L | 8.8 | 6.9 | 6.9 | 28.4 | 15.3 | 8.3 | 33.6 | <2.0 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Styrene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | | | | <1 | | <1 | <1 | <1 |
| Thallium, total | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| Toluene | ug/L | | | | <1 | | <1 | <1 | <1 |
| 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 | <20 | <20 | <20 | <2 |
| Vinyl acetate | ug/L | | | | <5 | | <5 | <5 | <5 |
| Vinyl chloride | ug/L | | | | <1 | | <1 | <1 | <1 |
| Xylenes, total | ug/L | | | | <2 | | <2 | <2 | <2 |
| Zinc, total | ug/L | <20.0 | 513.0 | 167.0 | 93.2 | 783.0 | 65.2 | 70.2 | 30.7 |

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

## Table 9

## Analytical Data Summary for MW-11C

| Constituents | Units | 9/23/2014 9/24/2014 | 3/18/2015 3/19/2015 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 | 9/16/2019 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | <10.0 | 14.2 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 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 | 130.0 | | 83.7 | 91.5 | 75.9 | 71.5 | 69.9 | 70.5 | 68.6 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | ug/L | <4.0 | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | <.8 | | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | <8.0 | | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Cis-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | 1.3 | | <.8 | <.8 | <.8 | <2.0 | <.8 | <.8 | <.8 |
| 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 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| 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 | 9.5 | | 4.9 | 5.9 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Selenium, total | ug/L | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | 1260 | 3 | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <4.0 | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <2.0 | <2.0 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | 20.7 | | 11.9 | 15.8 | <8.0 | <8.0 | <8.0 | <8.0 | <20.0 |

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

## Table 9

## Analytical Data Summary for MW-11C

| Constituents | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Barium, total | 67.8 | 58.8 | 53.7 | 62.3 | 53.4 | 78.3 | 69.2 | 72.3 | 75.4 | 88.4 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | <.8 | <.4 | <.4 | <.4 | <.4 | 3.6 | <.4 | <.4 | <.4 | <.4 |
| Copper, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | | | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <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-11C

| Constituents | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 |
| 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 |
| 1,4-dichlorobenzene | <1 | <1 |
| 2-butanone (mek) | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 |
| Acetone | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 |
| Antimony, total | <2 | <1 |
| Arsenic, total | <4 | <2 |
| Barium, total | 81.6 | 88.3 |
| Benzene | <1 | <1 |
| Beryllium, total | <4.0 | <.5 |
| Bromochloromethane | <1 | <1 |
| Bromodichloromethane | <1 | <1 |
| Bromoform | <1 | <1 |
| Bromomethane | <1 | <1 |
| Cadmium, total | <.8 | <.2 |
| Carbon disulfide | <1 | <1 |
| Carbon tetrachloride | <1 | <1 |
| Chlorobenzene | <1 | <1 |
| Chloroethane | <1 | <1 |
| Chloroform | <1 | <1 |
| Chloromethane | <1 | <1 |
| Chromium, total | <8.0 | 1.3 |
| Cis-1,2-dichloroethylene | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 |
| Cobalt, total | <.4 | <.5 |
| Copper, total | <4.0 | 8.1 |
| Dibromochloromethane | <1 | <1 |
| Dibromomethane | <1 | <1 |
| Ethylbenzene | <1 | <1 |
| Lead, total | <4 | <1 |
| Methyl iodide | <1 | <1 |
| Methylene chloride | <5 | <5 |
| Nickel, total | <4.0 | <5.0 |
| Selenium, total | <4 | <2 |
| Silver, total | <4 | <5 |
| Solids, total suspended | | |
| Styrene | <1 | <1 |
| Tetrachloroethylene | <1 | <1 |
| Thallium, total | <2.0 | <.5 |
| Toluene | <1 | <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 | <2 |
| Vinyl acetate | <5 | <5 |
| Vinyl chloride | <1 | <1 |
| Xylenes, total | <2 | <2 |
| Zinc, total | <20.0 | 8.8 |

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

## Table 9

## Analytical Data Summary for MW-14D

| Constituents | Units | 9/23/2014 9/24/2014 | 12/2/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 |
|---|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | ug/L | | | | | | | | <8 | <11 |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | ug/L | | | | | | | | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | | | | | | <8 | <11 |
| 1,2,4-trichlorobenzene | ug/L | | | | | | | | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | ug/L | | | | | | | | <8 | <11 |
| 1,3,5-trinitrobenzene | ug/L | | | | | | | | <8 | <11 |
| 1,3-dichlorobenzene | ug/L | | | | | | | | <1 | <1 |
| 1,3-dichloropropane | ug/L | | | | | | | | <1 | <1 |
| 1,3-dinitrobenzene | ug/L | | | | | | | | <8 | <11 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | ug/L | | | | | | | | <8 | <11 |
| 1,4-phenylenediamine | ug/L | | | | | | | | <8 | <11 |
| 1-naphthylamine | ug/L | | | | | | | | <8 | <11 |
| 2,2-dichloropropane | ug/L | | | | | | | | <1 | <1 |
| 2,3,4,6-tetrachlorophenol | ug/L | | | | | | | | <8 | <11 |
| 2,4,5-t | ug/L | | | | | | | | <.5 | <.5 |
| 2,4,5-tp (silvex) | ug/L | | | | | | | | <.5 | <.5 |
| 2,4,5-trichlorophenol | ug/L | | | | | | | | <8 | <11 |
| 2,4,6-trichlorophenol | ug/L | | | | | | | | <8 | <11 |
| 2,4-d | ug/L | | | | | | | | <2 | <2 |
| 2,4-dichlorophenol | ug/L | | | | | | | | <8 | <11 |
| 2,4-dimethylphenol | ug/L | | | | | | | | <8 | <11 |
| 2,4-dinitrophenol | ug/L | | | | | | | | <8 | <11 |
| 2,4-dinitrotoluene | ug/L | | | | | | | | <8 | <11 |
| 2,6-dichlorophenol | ug/L | | | | | | | | <8 | <11 |
| 2,6-dinitrotoluene | ug/L | | | | | | | | <8 | <11 |
| 2-acetylaminofluorene | ug/L | | | | | | | | <8 | <11 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-chloronaphthalene | ug/L | | | | | | | | <8 | <11 |
| 2-chlorophenol | ug/L | | | | | | | | <8 | <11 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | ug/L | | | | | | | | <8 | <11 |
| 2-methylphenol | ug/L | | | | | | | | <8 | <11 |
| 2-naphthylamine | ug/L | | | | | | | | <8 | <11 |
| 2-nitroaniline | ug/L | | | | | | | | <8 | <11 |
| 2-nitrophenol | ug/L | | | | | | | | <8 | <11 |
| 3,3´-dichlorobenzidine | ug/L | | | | | | | | <8 | <11 |
| 3,3'-dimethylbenzidine | ug/L | | | | | | | | <8 | <11 |
| 3-methylcholanthrene | ug/L | | | | | | | | <8 | <11 |
| 3-nitroaniline | ug/L | | | | | | | | <8 | <11 |
| 4,4´-ddd | ug/L | | | | | | | | <.05 | <.05 |
| 4,4´-dde | ug/L | | | | | | | | <.05 | <.05 |
| 4,4´-ddt | ug/L | | | | | | | | <.05 | <.05 |
| 4,6-dinitro-2-methylphenol | ug/L | | | | | | | | <8 | <11 |
| 4-aminobiphenyl | ug/L | | | | | | | | <8 | <11 |
| 4-bromophenyl phenyl ether | ug/L | | | | | | | | <8 | <11 |
| 4-chloro-3-methylphenol | ug/L | | | | | | | | <8 | <11 |
| 4-chloroaniline | ug/L | | | | | | | | <8 | <11 |
| 4-chlorophenyl phenyl ether | ug/L | | | | | | | | <8 | <11 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | ug/L | | | | | | | | <8 | <11 |
| 4-nitrophenol | ug/L | | | | | | | | <8 | <11 |
| 5-nitro-o-toluidine | ug/L | | | | | | | | <8 | <11 |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | | | | | <8 | <11 |
| Acenaphthene | ug/L | | | | | | | | <8 | <11 |
| Acenaphthylene | ug/L | | | | | | | | <8 | <11 |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acetonitrile | ug/L | | | | | | | | <10 | <10 |
| Acetophenone | ug/L | | | | | | | | <8 | <11 |
| Acrolein | ug/L | | | | | | | | <10 | <10 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | ug/L | | | | | | | | <.05 | <.05 |
| Allyl chloride | ug/L | | | | | | | | <1 | <1 |
| Alpha-bhc | ug/L | | | | | | | | <.05 | <.05 |

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

## Table 9

## Analytical Data Summary for MW-14D

| Constituents | 6/6/2018 6/11/2018 | 9/10/2018 | 3/26/2019 | 7/17/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 7/20/2020 | 9/2/2020 | 3/8/2021 |
|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | | | | | | | | |
| 1,1,1,2-tetrachloroethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| 1,1,1-trichloroethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| 1,1,2,2-tetrachloroethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| 1,1,2-trichloroethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| 1,1-dichloroethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| 1,1-dichloroethylene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| 1,1-dichloropropene | | | | | | | | | |
| 1,2,3-trichloropropane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | | | | | | |
| 1,2,4-trichlorobenzene | | | | | | | | | |
| 1,2-dibromo-3-chloropropane | | <1 | <5 | | <1 | <5 | | <5 | <5 |
| 1,2-dibromoethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| 1,2-dichlorobenzene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| 1,2-dichloroethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| 1,2-dichloropropane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| 1,2-dinitrobenzene | | | | | | | | | |
| 1,3,5-trinitrobenzene | | | | | | | | | |
| 1,3-dichlorobenzene | | | | | | | | | |
| 1,3-dichloropropane | | | | | | | | | |
| 1,3-dinitrobenzene | | | | | | | | | |
| 1,4-dichlorobenzene | | <1 | <5 | | <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 | <25 | | <5 | <5 | | <5 | <5 |
| 2-chloronaphthalene | | | | | | | | | |
| 2-chlorophenol | | | | | | | | | |
| 2-hexanone (mbk) | | <5 | <25 | | <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 | <25 | | <5 | <5 | | <5 | <5 |
| 4-nitroaniline | | | | | | | | | |
| 4-nitrophenol | | | | | | | | | |
| 5-nitro-o-toluidine | | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | | | | | | |
| Acenaphthene | | | | | | | | | |
| Acenaphthylene | | | | | | | | | |
| Acetone | | <10 | <50 | | <10 | <10 | | <10 | <10 |
| Acetonitrile | | | | | | | | | |
| Acetophenone | | | | | | | | | |
| Acrolein | | | | | | | | | |
| Acrylonitrile | | <5 | <25 | | <5 | <5 | | <5 | <5 |
| Aldrin | | | | | | | | | |
| Allyl chloride | | | | | | | | | |
| Alpha-bhc | | | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-14D

| Constituents | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 11/28/2023 12/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 |
|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | | | | | | <8 | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1-dichloropropene | | | | | | | <1 | | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | | | | <8 | | |
| 1,2,4-trichlorobenzene | | | | | | | <1 | | |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <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 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | | | | | | <8 | | |
| 1,3,5-trinitrobenzene | | | | | | | <8 | | |
| 1,3-dichlorobenzene | | | | | | | <1 | | |
| 1,3-dichloropropane | | | | | | | <1 | | |
| 1,3-dinitrobenzene | | | | | | | <8 | | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,4-naphthoquinone | | | | | | | <8 | | |
| 1,4-phenylenediamine | | | | | | | <8 | | |
| 1-naphthylamine | | | | | | | <8 | | |
| 2,2-dichloropropane | | | | | | | <1 | | |
| 2,3,4,6-tetrachlorophenol | | | | | | | <8 | | |
| 2,4,5-t | | | | | | | <.5 | | |
| 2,4,5-tp (silvex) | | | | | | | <.5 | | |
| 2,4,5-trichlorophenol | | | | | | | <8 | | |
| 2,4,6-trichlorophenol | | | | | | | <8 | | |
| 2,4-d | | | | | | | <2 | | |
| 2,4-dichlorophenol | | | | | | | <8 | | |
| 2,4-dimethylphenol | | | | | | | <8 | | |
| 2,4-dinitrophenol | | | | | | | <8 | | |
| 2,4-dinitrotoluene | | | | | | | <8 | | |
| 2,6-dichlorophenol | | | | | | | <8 | | |
| 2,6-dinitrotoluene | | | | | | | <8 | | |
| 2-acetylaminofluorene | | | | | | | <8 | | |
| 2-butanone (mek) | <5 | <10 | <10 | <10 | <10 | | <5 | <10 | <10 |
| 2-chloronaphthalene | | | | | | | <8 | | |
| 2-chlorophenol | | | | | | | <8 | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | | | | <8 | | |
| 2-methylphenol | | | | | | | <8 | | |
| 2-naphthylamine | | | | | | | <8 | | |
| 2-nitroaniline | | | | | | | <8 | | |
| 2-nitrophenol | | | | | | | <8 | | |
| 3,3´-dichlorobenzidine | | | | | | | <8 | | |
| 3,3'-dimethylbenzidine | | | | | | | <8 | | |
| 3-methylcholanthrene | | | | | | | <8 | | |
| 3-nitroaniline | | | | | | | <8 | | |
| 4,4´-ddd | | | | | | | <.05 | | |
| 4,4´-dde | | | | | | | <.05 | | |
| 4,4´-ddt | | | | | | | <.05 | | |
| 4,6-dinitro-2-methylphenol | | | | | | | <8 | | |
| 4-aminobiphenyl | | | | | | | <8 | | |
| 4-bromophenyl phenyl ether | | | | | | | <8 | | |
| 4-chloro-3-methylphenol | | | | | | | <8 | | |
| 4-chloroaniline | | | | | | | <8 | | |
| 4-chlorophenyl phenyl ether | | | | | | | <8 | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| 4-nitroaniline | | | | | | | <8 | | |
| 4-nitrophenol | | | | | | | <8 | | |
| 5-nitro-o-toluidine | | | | | | | <8 | | |
| 7,12-dimethylbenz(a)anthracene | | | | | | | <8 | | |
| Acenaphthene | | | | | | | <8 | | |
| Acenaphthylene | | | | | | | <8 | | |
| Acetone | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Acetonitrile | | | | | | | <10 | | |
| Acetophenone | | | | | | | <8 | | |
| Acrolein | | | | | | | <10 | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| Aldrin | | | | | | | <.05 | | |
| Allyl chloride | | | | | | | <1 | | |
| Alpha-bhc | | | | | | | <.05 | | |

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

## Table 9

## Analytical Data Summary for MW-14D

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

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

## Table 9

## Analytical Data Summary for MW-14D

| Constituents | Units | 9/23/2014 9/24/2014 | 12/2/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 |
|---|---|---|---|---|---|---|---|---|---|---|
| Anthracene | ug/L | | | | | | | | <8 | <11 |
| Antimony, total | ug/L | | | | | | <2.0 | <2.0 | <2.0 | 2.8 |
| Arochlor 1016 | ug/L | | | | | | | | <.1 | <.1 |
| Arochlor 1221 | ug/L | | | | | | | | <.2 | <.2 |
| Arochlor 1232 | ug/L | | | | | | | | <.2 | <.2 |
| Arochlor 1242 | ug/L | | | | | | | | <.2 | <.2 |
| Arochlor 1248 | ug/L | | | | | | | | <.2 | <.2 |
| Arochlor 1254 | ug/L | | | | | | | | <.1 | <.1 |
| Arochlor 1260 | ug/L | | | | | | | | <.1 | <.1 |
| Arsenic, total | ug/L | | | | | | 4.1 | 5.5 | 4.1 | <4.0 |
| Azobenzene | ug/L | | | | | | | | <8 | <11 |
| Barium, total | ug/L | | | | | | 24.8 | 48.1 | 21.9 | 24.4 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | ug/L | | | | | | | | <8 | <11 |
| Benzo(a)pyrene | ug/L | | | | | | | | <8 | <11 |
| Benzo(b)fluoranthene | ug/L | | | | | | | | <8 | <11 |
| Benzo(g,h,i)perylene | ug/L | | | | | | | | <8 | <11 |
| Benzo(k)fluoranthene | ug/L | | | | | | | | <8 | <11 |
| Benzyl alcohol | ug/L | | | | | | | | <8 | <11 |
| Beryllium, total | ug/L | | | | | | <4.0 | <4.0 | <4.0 | <4.0 |
| Beta-bhc | ug/L | | | | | | | | <.05 | <.05 |
| Bicarbonate, as caco3 | mg/L | | | | | | | | | |
| Bis (2-chloroethoxy) methane | ug/L | | | | | | | | <8 | <11 |
| Bis(2-chloroethyl) ether | ug/L | | | | | | | | <8 | <11 |
| Bis(2-chloroisopropyl) ether | ug/L | | | | | | | | <8 | <11 |
| Bis(2-ethylhexyl) phthalate | ug/L | | | | | | | | <6 | <8 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | ug/L | | | | | | | | <8 | <11 |
| Cadmium, total | ug/L | | | | | | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | ug/L | | | | | | | | <.1 | <.1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | ug/L | | | | | | | | <8 | <11 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | 1.6 | 1.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | ug/L | | | | | | | | <1 | <1 |
| Chromium, total | ug/L | | | | | | <8 | <8 | <8 | <8 |
| Chrysene | ug/L | | | | | | | | <8 | <11 |
| Cis-1,2-dichloroethylene | ug/L | 1.0 | 8.7 | <1.0 | <1.0 | 1.4 | <1.0 | <1.0 | <1.0 | <1.0 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | | | | | | <.8 | <.8 | <.8 | 3.1 |
| Copper, total | ug/L | | | | | | <4 | <4 | <4 | <4 |
| Cyanide, total | mg/L | | | | | | | | <.005 | <.005 |
| Delta-bhc | ug/L | | | | | | | | <.05 | <.05 |
| Diallate | ug/L | | | | | | | | <8 | <11 |
| Dibenzo(a,h)anthracene | ug/L | | | | | | | | <8 | <11 |
| Dibenzofuran | ug/L | | | | | | | | <8 | <11 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | | | | | | | | <1 | <1 |
| Dieldrin | ug/L | | | | | | | | <.05 | <.05 |
| Diethyl phthalate | ug/L | | | | | | | | <8 | <11 |
| Dimethoate | ug/L | | | | | | | | <.4 | <.4 |
| Dimethylphthalate | ug/L | | | | | | | | <8 | <11 |
| Di-n-butyl phthalate | ug/L | | | | | | | | <8 | <11 |
| Di-n-octyl phthalate | ug/L | | | | | | | | <8 | <11 |
| Dinoseb | ug/L | | | | | | | | <.5 | <.5 |
| Diphenylamine | ug/L | | | | | | | | <8 | <11 |
| Disulfoton | ug/L | | | | | | | | <.4 | <.4 |
| Endosulfan i | ug/L | | | | | | | | <.05 | <.05 |
| Endosulfan ii | ug/L | | | | | | | | <.05 | <.05 |
| Endosulfan sulfate | ug/L | | | | | | | | <.05 | <.05 |
| Endrin | ug/L | | | | | | | | <.05 | <.05 |
| Endrin aldehyde | ug/L | | | | | | | | <.05 | <.05 |
| Ethane | ug/L | | | | | | | | | |
| Ethene | ug/L | | | | | | | | | |
| Ethyl methacrylate | ug/L | | | | | | | | <10 | <10 |
| Ethyl methanesulfonate | ug/L | | | | | | | | <8 | <11 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | ug/L | | | | | | | | <.4 | <.4 |
| Fluoranthene | ug/L | | | | | | | | <8 | <11 |

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

## Table 9

## Analytical Data Summary for MW-14D

| Constituents | 6/6/2018 6/11/2018 | 9/10/2018 | 3/26/2019 | 7/17/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 7/20/2020 | 9/2/2020 | 3/8/2021 |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | | | | | | | | | |
| Antimony, total | 2.4 * | 2.2 | 2.7 | | 3.1 | 3.0 | | 2.8 | 2.3 |
| Arochlor 1016 | | | | | | | | | |
| Arochlor 1221 | | | | | | | | | |
| Arochlor 1232 | | | | | | | | | |
| Arochlor 1242 | | | | | | | | | |
| Arochlor 1248 | | | | | | | | | |
| Arochlor 1254 | | | | | | | | | |
| Arochlor 1260 | | | | | | | | | |
| Arsenic, total | | <4.0 | <4.0 | | <4.0 | <4.0 | | <4.0 | <4.0 |
| Azobenzene | | | | | | | | | |
| Barium, total | | 24.0 | 23.5 | | 21.3 | 18.3 | | 16.7 | 22.1 |
| Benzene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Benzo(a)anthracene | | | | | | | | | |
| Benzo(a)pyrene | | | | | | | | | |
| Benzo(b)fluoranthene | | | | | | | | | |
| Benzo(g,h,i)perylene | | | | | | | | | |
| Benzo(k)fluoranthene | | | | | | | | | |
| Benzyl alcohol | | | | | | | | | |
| Beryllium, total | | <4.0 | <4.0 | | <4.0 | <4.0 | | <4.0 | <4.0 |
| Beta-bhc | | | | | | | | | |
| Bicarbonate, as caco3 | | | | | | 766 | | 812 | 806 |
| Bis (2-chloroethoxy) methane | | | | | | | | | |
| Bis(2-chloroethyl) ether | | | | | | | | | |
| Bis(2-chloroisopropyl) ether | | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | | | | | | | | | |
| Bromochloromethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Bromodichloromethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Bromoform | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Bromomethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Butyl benzyl phthalate | | | | | | | | | |
| Cadmium, total | | <.8 | <.8 | | <.8 | <.8 | | <.8 | <.8 |
| Carbon disulfide | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Carbon tetrachloride | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Chlordane | | | | | | | | | |
| Chlorobenzene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Chlorobenzilate | | | | | | | | | |
| Chloroethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Chloroform | | <1.0 | <5.0 | | <1.0 | <1.0 | | <1.0 | <1.0 |
| Chloromethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Chloroprene | | | | | | | | | |
| Chromium, total | | <8 | <8 | | <8 | <8 | | <8 | <8 |
| Chrysene | | | | | | | | | |
| Cis-1,2-dichloroethylene | | <1.0 | <5.0 | | <1.0 | <1.0 | | <1.0 | <1.0 |
| Cis-1,3-dichloropropene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Cobalt, total | | 2.7 | 4.2 | | 3.9 | 3.8 | | 2.3 | 3.0 |
| Copper, total | | <4 | <4 | | <4 | <4 | | <4 | <4 |
| Cyanide, total | | | | | | | | | |
| Delta-bhc | | | | | | | | | |
| Diallate | | | | | | | | | |
| Dibenzo(a,h)anthracene | | | | | | | | | |
| Dibenzofuran | | | | | | | | | |
| Dibromochloromethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Dibromomethane | | <1 | <5 | | <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 | | | | | | <13 | | <10 | <10 |
| Ethene | | | | | | <13 | | <10 | <10 |
| Ethyl methacrylate | | | | | | | | | |
| Ethyl methanesulfonate | | | | | | | | | |
| Ethylbenzene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Famphur | | | | | | | | | |
| Fluoranthene | | | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-14D

| Constituents | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 11/28/2023 12/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | | | | | | | <8 | | |
| Antimony, total | 2.3 | 3.1 | <2.0 | 2.1 | 2.3 | | 2.2 | <2.0 | <2.0 |
| Arochlor 1016 | | | | | | | <.2 | | |
| Arochlor 1221 | | | | | | | <.2 | | |
| Arochlor 1232 | | | | | | | <.2 | | |
| Arochlor 1242 | | | | | | | <.2 | | |
| Arochlor 1248 | | | | | | | <.2 | | |
| Arochlor 1254 | | | | | | | <.2 | | |
| Arochlor 1260 | | | | | | | <.2 | | |
| Arsenic, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | | <4.0 | <4.0 | <4.0 |
| Azobenzene | | | | | | | <8 | | |
| Barium, total | 21.4 | 20.9 | 22.5 | 20.1 | 18.3 | | 17.6 | 22.6 | 20.7 |
| Benzene | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Benzo(a)anthracene | | | | | | | <8 | | |
| Benzo(a)pyrene | | | | | | | <8 | | |
| Benzo(b)fluoranthene | | | | | | | <8 | | |
| Benzo(g,h,i)perylene | | | | | | | <8 | | |
| Benzo(k)fluoranthene | | | | | | | <8 | | |
| Benzyl alcohol | | | | | | | <8 | | |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | | <4.0 | <4.0 | <4.0 |
| Beta-bhc | | | | | | | <.05 | | |
| Bicarbonate, as caco3 | | 889 | | | | | | | |
| Bis (2-chloroethoxy) methane | | | | | | | <8 | | |
| Bis(2-chloroethyl) ether | | | | | | | <8 | | |
| Bis(2-chloroisopropyl) ether | | | | | | | <8 | | |
| Bis(2-ethylhexyl) phthalate | | | | | | | 10 | <6 | <6 |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | | | | <8 | | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chlordane | | | | | | | <.1 | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chlorobenzilate | | | | | | | <8 | | |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chloroform | <1.0 | <1.0 | <1.0 | <1.0 | 1.4 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chloroprene | | | | | | | <1 | | |
| Chromium, total | <8 | <8 | <8 | <8 | <8 | | <8 | <8 | <8 |
| Chrysene | | | | | | | <8 | | |
| Cis-1,2-dichloroethylene | <1.0 | <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 | 4.6 | .9 | 8.5 | 1.5 | 5.9 | 6.1 | 4.7 | 1.5 | 2.6 |
| Copper, total | <4 | <4 | <4 | <4 | <4 | | <4 | <4 | <4 |
| Cyanide, total | | | | | | | <.005 | | |
| Delta-bhc | | | | | | | <.05 | | |
| Diallate | | | | | | | <8 | | |
| Dibenzo(a,h)anthracene | | | | | | | <8 | | |
| Dibenzofuran | | | | | | | <8 | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | | | | | <1 | | |
| Dieldrin | | | | | | | <.05 | | |
| Diethyl phthalate | | | | | | | <8 | | |
| Dimethoate | | | | | | | <.4 | | |
| Dimethylphthalate | | | | | | | <8 | | |
| Di-n-butyl phthalate | | | | | | | <8 | | |
| Di-n-octyl phthalate | | | | | | | <8 | | |
| Dinoseb | | | | | | | <.5 | | |
| Diphenylamine | | | | | | | <8 | | |
| Disulfoton | | | | | | | <.4 | | |
| Endosulfan i | | | | | | | <.05 | | |
| Endosulfan ii | | | | | | | <.05 | | |
| Endosulfan sulfate | | | | | | | <.05 | | |
| Endrin | | | | | | | <.05 | | |
| Endrin aldehyde | | | | | | | <.05 | | |
| Ethane | | | | | | | | | |
| Ethene | | | | | | | | | |
| Ethyl methacrylate | | | | | | | <10 | | |
| Ethyl methanesulfonate | | | | | | | <8 | | |
| Ethylbenzene | <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-14D

| Constituents | 9/4/2025 |
|---|---|
| Anthracene | |
| Antimony, total | 2.1 |
| Arochlor 1016 | |
| Arochlor 1221 | |
| Arochlor 1232 | |
| Arochlor 1242 | |
| Arochlor 1248 | |
| Arochlor 1254 | |
| Arochlor 1260 | |
| Arsenic, total | <2.0 |
| Azobenzene | |
| Barium, total | 19.3 |
| Benzene | <1 |
| Benzo(a)anthracene | |
| Benzo(a)pyrene | |
| Benzo(b)fluoranthene | |
| Benzo(g,h,i)perylene | |
| Benzo(k)fluoranthene | |
| Benzyl alcohol | |
| Beryllium, total | <.5 |
| Beta-bhc | |
| Bicarbonate, as caco3 | |
| Bis (2-chloroethoxy) methane | |
| Bis(2-chloroethyl) ether | |
| Bis(2-chloroisopropyl) ether | |
| Bis(2-ethylhexyl) phthalate | |
| Bromochloromethane | <1 |
| Bromodichloromethane | <1 |
| Bromoform | <1 |
| Bromomethane | <1 |
| Butyl benzyl phthalate | |
| Cadmium, total | <.2 |
| Carbon disulfide | <1 |
| Carbon tetrachloride | <1 |
| Chlordane | |
| Chlorobenzene | <1 |
| Chlorobenzilate | |
| Chloroethane | <1 |
| Chloroform | <1.0 |
| Chloromethane | <1 |
| Chloroprene | |
| Chromium, total | <1 |
| Chrysene | |
| Cis-1,2-dichloroethylene | <1.0 |
| Cis-1,3-dichloropropene | <1 |
| Cobalt, total | <.5 |
| Copper, total | <5 |
| Cyanide, total | |
| Delta-bhc | |
| Diallate | |
| Dibenzo(a,h)anthracene | |
| Dibenzofuran | |
| Dibromochloromethane | <1 |
| Dibromomethane | <1 |
| Dichlorodifluoromethane | |
| Dieldrin | |
| Diethyl phthalate | |
| Dimethoate | |
| Dimethylphthalate | |
| Di-n-butyl phthalate | |
| Di-n-octyl phthalate | |
| Dinoseb | |
| Diphenylamine | |
| Disulfoton | |
| Endosulfan i | |
| Endosulfan ii | |
| Endosulfan sulfate | |
| Endrin | |
| Endrin aldehyde | |
| Ethane | |
| Ethene | |
| Ethyl methacrylate | |
| Ethyl methanesulfonate | |
| Ethylbenzene | <1 |
| Famphur | |
| Fluoranthene | |

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

## Table 9

## Analytical Data Summary for MW-14D

| Constituents | Units | 9/23/2014 9/24/2014 | 12/2/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluorene | ug/L | | | | | | | | <8 | <11 |
| Gamma-bhc (lindane) | ug/L | | | | | | | | <.05 | <.05 |
| Heptachlor | ug/L | | | | | | | | <.05 | <.05 |
| Heptachlor epoxide | ug/L | | | | | | | | <.05 | <.05 |
| Hexachlorobenzene | ug/L | | | | | | | | <.05 | <.05 |
| Hexachlorobutadiene | ug/L | | | | | | | | <8 | <11 |
| Hexachlorocyclopentadiene | ug/L | | | | | | | | <8 | <11 |
| Hexachloroethane | ug/L | | | | | | | | <8 | <11 |
| Hexachloropropene | ug/L | | | | | | | | <8 | <11 |
| Indeno(1,2,3-cd)pyrene | ug/L | | | | | | | | <8 | <11 |
| Isobutanol | mg/L | | | | | | | | <1 | <1 |
| Isodrin | ug/L | | | | | | | | <8 | <11 |
| Isophorone | ug/L | | | | | | | | <8 | <11 |
| Isosafrole | ug/L | | | | | | | | <8 | <11 |
| Kepone | ug/L | | | | | | | | <8 | <11 |
| Lead, total | ug/L | | | | | | <4 | <4 | <4 | <4 |
| Mercury, total | ug/L | | | | | | | | <.5 | <.5 |
| Methacrylonitrile | ug/L | | | | | | | | <1 | <1 |
| Methane | ug/L | | | | | | | | | |
| Methapyrilene | ug/L | | | | | | | | <8 | <11 |
| Methoxychlor | ug/L | | | | | | | | <.05 | <.05 |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | ug/L | | | | | | | | <1 | <1 |
| Methyl methanesulfonate | ug/L | | | | | | | | <8 | <11 |
| Methyl parathion | ug/L | | | | | | | | <.4 | <.4 |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | ug/L | | | | | | | | <8 | <11 |
| Nickel, total | ug/L | | | | | | <4 | <4 | <4 | <4 |
| Nitrobenzene | ug/L | | | | | | | | <8 | <11 |
| N-nitrosodiethylamine | ug/L | | | | | | | | <8 | <11 |
| N-nitrosodimethylamine | ug/L | | | | | | | | <8 | <11 |
| N-nitrosodi-n-butylamine | ug/L | | | | | | | | <8 | <11 |
| N-nitroso-di-n-propylamine | ug/L | | | | | | | | <8 | <11 |
| N-nitrosodiphenylamine | ug/L | | | | | | | | <8 | <11 |
| N-nitrosomethylethylamine | ug/L | | | | | | | | <8 | <11 |
| N-nitrosopiperidine | ug/L | | | | | | | | <8 | <11 |
| N-nitrosopyrrolidine | ug/L | | | | | | | | <8 | <11 |
| O,o,o-triethyl phosphorothioate | ug/L | | | | | | | | <.4 | <.4 |
| O-toluidine | ug/L | | | | | | | | <8 | <11 |
| Parathion | ug/L | | | | | | | | <.4 | <.4 |
| P-dimethylaminoazobenzene | ug/L | | | | | | | | <8 | <11 |
| Pentachlorobenzene | ug/L | | | | | | | | <8 | <11 |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | | | | | <8 | <11 |
| Pentachlorophenol | ug/L | | | | | | | | <8 | <11 |
| pH | pH | | | | | | | | | |
| Phenacetin | ug/L | | | | | | | | <8 | <11 |
| Phenanthrene | ug/L | | | | | | | | <8 | <11 |
| Phenol | ug/L | | | | | | | | <8 | <11 |
| Phorate | ug/L | | | | | | | | <.4 | <.4 |
| Pronamide | ug/L | | | | | | | | <8 | <11 |
| Propionitrile | ug/L | | | | | | | | <10 | <10 |
| Pyrene | ug/L | | | | | | | | <8 | <11 |
| Safrole | ug/L | | | | | | | | <8 | <11 |
| Selenium, total | ug/L | | | | | | <4.0 | <4.0 | <4.0 | 58.9 |
| Silver, total | ug/L | | | | | | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | | | 22 | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total | mg/L | | | | | | | | <1.0 | <.1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | | | | | | <4.0 | <4.0 | <4.0 | <4.0 |
| Thionazin | ug/L | | | | | | | | <.4 | <.4 |
| Tin, total | ug/L | | | | | | | | <20 | <20 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | ug/L | | | | | | | | <.2 | <.2 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | | | | | | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | | | | | | <8.0 | <8.0 | <8.0 | <8.0 |

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

## Table 9

## Analytical Data Summary for MW-14D

| Constituents | 6/6/2018<br>6/11/2018 | 9/10/2018 | 3/26/2019 | 7/17/2019 | 9/16/2019 | 3/23/2020<br>3/24/2020 | 7/20/2020 | 9/2/2020 | 3/8/2021 |
|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Mercury, total | | | | | | | | | |
| Methacrylonitrile | | | | | | | | | |
| Methane | | | | | | <9 | | <7 | <7 |
| Methapyrilene | | | | | | | | | |
| Methoxychlor | | | | | | | | | |
| Methyl iodide | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Methyl methacrylate | | | | | | | | | |
| Methyl methanesulfonate | | | | | | | | | |
| Methyl parathion | | | | | | | | | |
| Methylene chloride | | <5 | <25 | | <5 | <5 | | <5 | <5 |
| Naphthalene | | | | | | | | | |
| Nickel, total | | <4 | <4 | | <4 | <4 | | <4 | <4 |
| Nitrobenzene | | | | | | | | | |
| N-nitrosodiethylamine | | | | | | | | | |
| N-nitrosodimethylamine | | | | | | | | | |
| N-nitrosodi-n-butylamine | | | | | | | | | |
| N-nitroso-di-n-propylamine | | | | | | | | | |
| N-nitrosodiphenylamine | | | | | | | | | |
| N-nitrosomethylethylamine | | | | | | | | | |
| N-nitrosopiperidine | | | | | | | | | |
| N-nitrosopyrrolidine | | | | | | | | | |
| O,o,o-triethyl phosphorothioate | | | | | | | | | |
| O-toluidine | | | | | | | | | |
| Parathion | | | | | | | | | |
| P-dimethylaminoazobenzene | | | | | | | | | |
| Pentachlorobenzene | | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | | | | | | | | | |
| Pentachlorophenol | | | | | | | | | |
| pH | | | | | | 8.2 | | 8.1 | 7.6 |
| Phenacetin | | | | | | | | | |
| Phenanthrene | | | | | | | | | |
| Phenol | | | | | | | | | |
| Phorate | | | | | | | | | |
| Pronamide | | | | | | | | | |
| Propionitrile | | | | | | | | | |
| Pyrene | | | | | | | | | |
| Safrole | | | | | | | | | |
| Selenium, total | 76.8 * | 93.3 | 58.7 | 44.5 | 34.5 | 20.4 | 14.0 | 14.0 | 6.9 |
| Silver, total | | <4 | <4 | | <4 | <4 | | <4 | <4 |
| Solids, total suspended | | | | | | | | | |
| Styrene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Sulfide, total | | | | | | | | | |
| Tetrachloroethylene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Thallium, total | | <4.0 | <2.0 | | <2.0 | <2.0 | | <2.0 | <2.0 |
| Thionazin | | | | | | | | | |
| Tin, total | | | | | | | | | |
| Toluene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Toxaphene | | | | | | | | | |
| Trans-1,2-dichloroethylene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Trans-1,3-dichloropropene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Trans-1,4-dichloro-2-butene | | <5 | <25 | | <5 | <5 | | <5 | <5 |
| Trichloroethylene | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Trichlorofluoromethane | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Vanadium, total | | <20 | <20 | | <20 | <20 | | <20 | <20 |
| Vinyl acetate | | <5 | <25 | | <5 | <5 | | <5 | <5 |
| Vinyl chloride | | <1 | <5 | | <1 | <1 | | <1 | <1 |
| Xylenes, total | | <2 | <10 | | <2 | <2 | | <2 | <2 |
| Zinc, total | | <8.0 | <8.0 | | <20.0 | <20.0 | | <20.0 | <20.0 |

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

## Table 9

## Analytical Data Summary for MW-14D

| Constituents | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 11/28/2023 12/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 |
|---|---|---|---|---|---|---|---|---|---|
| Fluorene | | | | | | | <8 | | |
| Gamma-bhc (lindane) | | | | | | | <.05 | | |
| Heptachlor | | | | | | | <.05 | | |
| Heptachlor epoxide | | | | | | | <.05 | | |
| Hexachlorobenzene | | | | | | | <.05 | | |
| Hexachlorobutadiene | | | | | | | <8 | | |
| Hexachlorocyclopentadiene | | | | | | | <8 | | |
| Hexachloroethane | | | | | | | <8 | | |
| Hexachloropropene | | | | | | | <8 | | |
| Indeno(1,2,3-cd)pyrene | | | | | | | <8 | | |
| Isobutanol | | | | | | | <1 | | |
| Isodrin | | | | | | | <8 | | |
| Isophorone | | | | | | | <8 | | |
| Isosafrole | | | | | | | <8 | | |
| Kepone | | | | | | | <8 | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | | <4 | <4 | <4 |
| Mercury, total | | | | | | | <.5 | | |
| Methacrylonitrile | | | | | | | <1 | | |
| Methane | | | | | | | | | |
| 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 | | | | | | | <8 | | |
| N-nitrosodiethylamine | | | | | | | <8 | | |
| N-nitrosodimethylamine | | | | | | | <8 | | |
| N-nitrosodi-n-butylamine | | | | | | | <8 | | |
| N-nitroso-di-n-propylamine | | | | | | | <8 | | |
| N-nitrosodiphenylamine | | | | | | | <8 | | |
| N-nitrosomethylethylamine | | | | | | | <8 | | |
| N-nitrosopiperidine | | | | | | | <8 | | |
| N-nitrosopyrrolidine | | | | | | | <8 | | |
| O,o,o-triethyl phosphorothioate | | | | | | | <.4 | | |
| O-toluidine | | | | | | | <8 | | |
| Parathion | | | | | | | <.4 | | |
| P-dimethylaminoazobenzene | | | | | | | <8 | | |
| Pentachlorobenzene | | | | | | | <8 | | |
| Pentachloronitrobenzene (pcnb) | | | | | | | <8 | | |
| Pentachlorophenol | | | | | | | <8 | | |
| pH | | 7.5 | | | | | | | |
| Phenacetin | | | | | | | <8 | | |
| Phenanthrene | | | | | | | <8 | | |
| Phenol | | | | | | | <8 | | |
| Phorate | | | | | | | <.4 | | |
| Pronamide | | | | | | | <8 | | |
| Propionitrile | | | | | | | <10 | | |
| Pyrene | | | | | | | <8 | | |
| Safrole | | | | | | | <8 | | |
| Selenium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | | <4.0 | <4.0 | <4.0 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | | <4 | <4 | <4 |
| Solids, total suspended | | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Sulfide, total | | | | | | | <.1 | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | | <2.0 | <2.0 | <2.0 |
| Thionazin | | | | | | | <.4 | | |
| Tin, total | | | | | | | <20 | | |
| Toluene | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toxaphene | | | | | | | <.2 | | |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| Zinc, total | <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-14D

| Constituents | 9/4/2025 |
|---|---|
| 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 | <1 |
| Mercury, total | |
| Methacrylonitrile | |
| Methane | |
| Methapyrilene | |
| Methoxychlor | |
| Methyl iodide | <1 |
| Methyl methacrylate | |
| Methyl methanesulfonate | |
| Methyl parathion | |
| Methylene chloride | <5 |
| Naphthalene | |
| Nickel, total | <5 |
| Nitrobenzene | |
| N-nitrosodiethylamine | |
| N-nitrosodimethylamine | |
| N-nitrosodi-n-butylamine | |
| N-nitroso-di-n-propylamine | |
| N-nitrosodiphenylamine | |
| N-nitrosomethylethylamine | |
| N-nitrosopiperidine | |
| N-nitrosopyrrolidine | |
| O,o,o-triethyl phosphorothioate | |
| O-toluidine | |
| Parathion | |
| P-dimethylaminoazobenzene | |
| Pentachlorobenzene | |
| Pentachloronitrobenzene (pcnb) | |
| Pentachlorophenol | |
| pH | |
| Phenacetin | |
| Phenanthrene | |
| Phenol | |
| Phorate | |
| Pronamide | |
| Propionitrile | |
| Pyrene | |
| Safrole | |
| Selenium, total | <2.0 |
| Silver, total | <5 |
| Solids, total suspended | |
| Styrene | <1 |
| Sulfide, total | |
| Tetrachloroethylene | <1 |
| Thallium, total | <.5 |
| Thionazin | |
| Tin, total | |
| Toluene | <1 |
| Toxaphene | |
| Trans-1,2-dichloroethylene | <1 |
| Trans-1,3-dichloropropene | <1 |
| Trans-1,4-dichloro-2-butene | <5 |
| Trichloroethylene | <1 |
| Trichlorofluoromethane | <1 |
| Vanadium, total | <2 |
| Vinyl acetate | <5 |
| Vinyl chloride | <1 |
| Xylenes, total | <2 |
| Zinc, total | 6.6 |

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

## Table 9

## Analytical Data Summary for MW-15R

| Constituents | Units | 6/5/2019 | 9/16/2019 | 12/2/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | <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 | <5 | <10 | <10 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | ug/L | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | ug/L | 6.8 | 28.2 | | 8.9 | 30.0 | 62.1 | 54.7 | 71.2 | 51.1 |
| Barium, total | ug/L | 412 | 565 | 681 | 579 | 626 | 715 | 619 | 1320 | 727 |
| Benzene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | ug/L | <4.0 | <4.0 | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Bicarbonate, as caco3 | mg/L | | | | | | | | | |
| Bromochloromethane | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | <.8 | <.8 | | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | <8 | <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 | .9 | | 1.0 | 1.3 | 1.2 | 1.3 | 1.5 | 3.6 |
| 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 |
| Ethane | ug/L | | | | | | | | | |
| Ethene | 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 |
| Methane | ug/L | | | | | | | | | |
| 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 | <4.0 | 5.9 | | <4.0 | <4.0 | 4.6 | <4.0 | 16.0 | 4.2 |
| pH | pH | | | | | | | | | |
| 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 | <2.0 | <2.0 | | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Toluene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | <20 | | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | <8.0 | <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-15R

| Constituents | 12/1/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|
| 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) | | <10 | <10 | <10 | <10 | <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 |
| Antimony, total | | <2 | <2 | <2 | <2 | <2 | <1 |
| Arsenic, total | 46.2 | 51.1 | 70.3 | 57.2 | 70.4 | 71.5 | 77.3 |
| Barium, total | | 876 | 743 | 673 | 686 | 689 | 919 |
| Benzene | | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Bicarbonate, as caco3 | | | 620 | 541 | 696 | 840 | 673 |
| 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 | <.2 |
| Carbon disulfide | | <1 | <1 | <1 | <1 | <1 | 1 |
| Carbon tetrachloride | | <1 | <1 | <1 | <1 | <1 | <1 |
| 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 | <1 |
| Cis-1,2-dichloroethylene | | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | | 1.3 | 1.2 | 1.1 | .9 | 1.2 | 1.2 |
| Copper, total | | <4 | <4 | <4 | <4 | <4 | <5 |
| Dibromochloromethane | | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethane | | | | | <5 | <5 | <5 |
| Ethene | | | | | <5 | <5 | <5 |
| Ethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | | <4 | <4 | <4 | <4 | <4 | <1 |
| Methane | | | | | 14000 | 7630 | 7590 |
| Methyl iodide | | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | | 6.8 | <4.0 | <4.0 | <4.0 | 4.2 | <5.0 |
| pH | | | 6.6 | 6.6 | 6.7 | 6.6 | 6.7 |
| Selenium, total | | <4 | <4 | <4 | <4 | <4 | <2 |
| Silver, total | | <4 | <4 | <4 | <4 | <4 | <5 |
| Styrene | | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| 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 | <2 |
| Vinyl acetate | | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | 6.1 |

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

## Table 9

## Analytical Data Summary for MW-17R

| Constituents | Units | 9/23/2014<br>9/24/2014 | 3/18/2015<br>3/19/2015 | 8/27/2015<br>9/2/2015 | 3/3/2016<br>3/4/2016 | 9/20/2016<br>9/21/2016 | 3/9/2017 | 9/14/2017 | 12/13/2017 |
|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | ug/L | | | | <8 | | <8 | | |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloropropene | ug/L | | | | <1 | | <1 | | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | | <8 | | <8 | | |
| 1,2,4-trichlorobenzene | ug/L | | | | <1 | | <1 | | |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dinitrobenzene | ug/L | | | | <8 | | <8 | | |
| 1,3,5-trinitrobenzene | ug/L | | | | <8 | | <8 | | |
| 1,3-dichlorobenzene | ug/L | | | | <1 | | <1 | | |
| 1,3-dichloropropane | ug/L | | | | <1 | | <1 | | |
| 1,3-dinitrobenzene | ug/L | | | | <8 | | <8 | | |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,4-naphthoquinone | ug/L | | | | <8 | | <8 | | |
| 1,4-phenylenediamine | ug/L | | | | <8 | | <8 | | |
| 1-naphthylamine | ug/L | | | | <8 | | <8 | | |
| 2,2-dichloropropane | ug/L | | | | <1 | | <1 | | |
| 2,3,4,6-tetrachlorophenol | ug/L | | | | <8 | | <8 | | |
| 2,4,5-t | ug/L | | | | <.5 | | <.5 | | |
| 2,4,5-tp (silvex) | ug/L | | | | <.5 | | <.5 | | |
| 2,4,5-trichlorophenol | ug/L | | | | <8 | | <8 | | |
| 2,4,6-trichlorophenol | ug/L | | | | <8 | | <8 | | |
| 2,4-d | ug/L | | | | <2 | | <2 | | |
| 2,4-dichlorophenol | ug/L | | | | <8 | | <8 | | |
| 2,4-dimethylphenol | ug/L | | | | <8 | | <8 | | |
| 2,4-dinitrophenol | ug/L | | | | <8 | | <8 | | |
| 2,4-dinitrotoluene | ug/L | | | | <8 | | <8 | | |
| 2,6-dichlorophenol | ug/L | | | | <8 | | <8 | | |
| 2,6-dinitrotoluene | ug/L | | | | <8 | | <8 | | |
| 2-acetylaminofluorene | ug/L | | | | <8 | | <8 | | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 2-chloronaphthalene | ug/L | | | | <8 | | <8 | | |
| 2-chlorophenol | ug/L | | | | <8 | | <8 | | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 2-methylnaphthalene | ug/L | | | | <8 | | <8 | | |
| 2-methylphenol | ug/L | | | | <8 | | <8 | | |
| 2-naphthylamine | ug/L | | | | <8 | | <8 | | |
| 2-nitroaniline | ug/L | | | | <8 | | <8 | | |
| 2-nitrophenol | ug/L | | | | <8 | | <8 | | |
| 3,3´-dichlorobenzidine | ug/L | | | | <8 | | <8 | | |
| 3,3'-dimethylbenzidine | ug/L | | | | <8 | | <8 | | |
| 3-methylcholanthrene | ug/L | | | | <8 | | <8 | | |
| 3-nitroaniline | ug/L | | | | <8 | | <8 | | |
| 4,4´-ddd | ug/L | | | | <.05 | | <.05 | | |
| 4,4´-dde | ug/L | | | | <.05 | | <.05 | | |
| 4,4´-ddt | ug/L | | | | <.05 | | <.05 | | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | <8 | | <8 | | |
| 4-aminobiphenyl | ug/L | | | | <8 | | <8 | | |
| 4-bromophenyl phenyl ether | ug/L | | | | <8 | | <8 | | |
| 4-chloro-3-methylphenol | ug/L | | | | <8 | | <8 | | |
| 4-chloroaniline | ug/L | | | | <8 | | <8 | | |
| 4-chlorophenyl phenyl ether | ug/L | | | | <8 | | <8 | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 4-nitroaniline | ug/L | | | | <8 | | <8 | | |
| 4-nitrophenol | ug/L | | | | <8 | | <8 | | |
| 5-nitro-o-toluidine | ug/L | | | | <8 | | <8 | | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | <8 | | <8 | | |
| Acenaphthene | ug/L | | | | <8 | | <8 | | |
| Acenaphthylene | ug/L | | | | <8 | | <8 | | |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 13.3 | |
| Acetonitrile | ug/L | | | | <10 | | <10 | | |
| Acetophenone | ug/L | | | | <8 | | <8 | | |
| Acrolein | ug/L | | | | <10 | | <10 | | |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Aldrin | ug/L | | | | <.05 | | <.05 | | |
| Allyl chloride | ug/L | | | | <1 | | <1 | | |
| Alpha-bhc | ug/L | | | | <.05 | | <.05 | | |

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

## Table 9

## Analytical Data Summary for MW-17R

| Constituents | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 |
|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | | | | | | | | <8 |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | | | | | | | | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | | | | | | <8 |
| 1,2,4-trichlorobenzene | | | | | | | | | <1 |
| 1,2-dibromo-3-chloropropane | <1 | <1 | <1 | <1 | <5 | <5 | <5 | <5 | <1 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | | | | | | | | <8 |
| 1,3,5-trinitrobenzene | | | | | | | | | <8 |
| 1,3-dichlorobenzene | | | | | | | | | <1 |
| 1,3-dichloropropane | | | | | | | | | <1 |
| 1,3-dinitrobenzene | | | | | | | | | <8 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | | | | | | | | | <8 |
| 1,4-phenylenediamine | | | | | | | | | <8 |
| 1-naphthylamine | | | | | | | | | <8 |
| 2,2-dichloropropane | | | | | | | | | <1 |
| 2,3,4,6-tetrachlorophenol | | | | | | | | | <8 |
| 2,4,5-t | | | | | | | | | <.5 |
| 2,4,5-tp (silvex) | | | | | | | | | <.5 |
| 2,4,5-trichlorophenol | | | | | | | | | <8 |
| 2,4,6-trichlorophenol | | | | | | | | | <8 |
| 2,4-d | | | | | | | | | <2 |
| 2,4-dichlorophenol | | | | | | | | | <8 |
| 2,4-dimethylphenol | | | | | | | | | <8 |
| 2,4-dinitrophenol | | | | | | | | | <8 |
| 2,4-dinitrotoluene | | | | | | | | | <8 |
| 2,6-dichlorophenol | | | | | | | | | <8 |
| 2,6-dinitrotoluene | | | | | | | | | <8 |
| 2-acetylaminofluorene | | | | | | | | | <8 |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-chloronaphthalene | | | | | | | | | <8 |
| 2-chlorophenol | | | | | | | | | <8 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | | | | | | <8 |
| 2-methylphenol | | | | | | | | | <8 |
| 2-naphthylamine | | | | | | | | | <8 |
| 2-nitroaniline | | | | | | | | | <8 |
| 2-nitrophenol | | | | | | | | | <8 |
| 3,3´-dichlorobenzidine | | | | | | | | | <8 |
| 3,3'-dimethylbenzidine | | | | | | | | | <8 |
| 3-methylcholanthrene | | | | | | | | | <8 |
| 3-nitroaniline | | | | | | | | | <8 |
| 4,4´-ddd | | | | | | | | | <.05 |
| 4,4´-dde | | | | | | | | | <.05 |
| 4,4´-ddt | | | | | | | | | <.05 |
| 4,6-dinitro-2-methylphenol | | | | | | | | | <8 |
| 4-aminobiphenyl | | | | | | | | | <8 |
| 4-bromophenyl phenyl ether | | | | | | | | | <8 |
| 4-chloro-3-methylphenol | | | | | | | | | <8 |
| 4-chloroaniline | | | | | | | | | <8 |
| 4-chlorophenyl phenyl ether | | | | | | | | | <8 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | | | | | | <8 |
| 4-nitrophenol | | | | | | | | | <8 |
| 5-nitro-o-toluidine | | | | | | | | | <8 |
| 7,12-dimethylbenz(a)anthracene | | | | | | | | | <8 |
| Acenaphthene | | | | | | | | | <8 |
| Acenaphthylene | | | | | | | | | <8 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonitrile | | | | | | | | | <10 |
| Acetophenone | | | | | | | | | <8 |
| Acrolein | | | | | | | | | <10 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | | | | | | | | | <.05 |
| Allyl chloride | | | | | | | | | <1 |
| Alpha-bhc | | | | | | | | | <.05 |

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

## Table 9

### Analytical Data Summary for MW-17R

| Constituents | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | | | | | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | | | | | | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | | | | |
| 1,2,4-trichlorobenzene | | | | | | | |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | | | | | | |
| 1,3,5-trinitrobenzene | | | | | | | |
| 1,3-dichlorobenzene | | | | | | | |
| 1,3-dichloropropane | | | | | | | |
| 1,3-dinitrobenzene | | | | | | | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | | | | | | | |
| 1,4-phenylenediamine | | | | | | | |
| 1-naphthylamine | | | | | | | |
| 2,2-dichloropropane | | | | | | | |
| 2,3,4,6-tetrachlorophenol | | | | | | | |
| 2,4,5-t | | | | | | | |
| 2,4,5-tp (silvex) | | | | | | | |
| 2,4,5-trichlorophenol | | | | | | | |
| 2,4,6-trichlorophenol | | | | | | | |
| 2,4-d | | | | | | | |
| 2,4-dichlorophenol | | | | | | | |
| 2,4-dimethylphenol | | | | | | | |
| 2,4-dinitrophenol | | | | | | | |
| 2,4-dinitrotoluene | | | | | | | |
| 2,6-dichlorophenol | | | | | | | |
| 2,6-dinitrotoluene | | | | | | | |
| 2-acetylaminofluorene | | | | | | | |
| 2-butanone (mek) | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2-chloronaphthalene | | | | | | | |
| 2-chlorophenol | | | | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | | | | |
| 2-methylphenol | | | | | | | |
| 2-naphthylamine | | | | | | | |
| 2-nitroaniline | | | | | | | |
| 2-nitrophenol | | | | | | | |
| 3,3´-dichlorobenzidine | | | | | | | |
| 3,3'-dimethylbenzidine | | | | | | | |
| 3-methylcholanthrene | | | | | | | |
| 3-nitroaniline | | | | | | | |
| 4,4´-ddd | | | | | | | |
| 4,4´-dde | | | | | | | |
| 4,4´-ddt | | | | | | | |
| 4,6-dinitro-2-methylphenol | | | | | | | |
| 4-aminobiphenyl | | | | | | | |
| 4-bromophenyl phenyl ether | | | | | | | |
| 4-chloro-3-methylphenol | | | | | | | |
| 4-chloroaniline | | | | | | | |
| 4-chlorophenyl phenyl ether | | | | | | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | | | | |
| 4-nitrophenol | | | | | | | |
| 5-nitro-o-toluidine | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | | | | |
| Acenaphthene | | | | | | | |
| Acenaphthylene | | | | | | | |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonitrile | | | | | | | |
| Acetophenone | | | | | | | |
| Acrolein | | | | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | | | | | | | |
| Allyl chloride | | | | | | | |
| Alpha-bhc | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-17R

| Constituents | Units | 9/23/2014<br>9/24/2014 | 3/18/2015<br>3/19/2015 | 8/27/2015<br>9/2/2015 | 3/3/2016<br>3/4/2016 | 9/20/2016<br>9/21/2016 | 3/9/2017 | 9/14/2017 | 12/13/2017 |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | ug/L | | | | <8 | | <8 | | |
| Antimony, total | ug/L | <2 | | | <2 | <2 | <2 | <2 | |
| Arochlor 1016 | ug/L | | | | <.1 | | <.1 | | |
| Arochlor 1221 | ug/L | | | | <.2 | | <.2 | | |
| Arochlor 1232 | ug/L | | | | <.2 | | <.2 | | |
| Arochlor 1242 | ug/L | | | | <.2 | | <.2 | | |
| Arochlor 1248 | ug/L | | | | <.2 | | <.2 | | |
| Arochlor 1254 | ug/L | | | | <.1 | | <.1 | | |
| Arochlor 1260 | ug/L | | | | <.1 | | <.1 | | |
| Arsenic, total | ug/L | <4 | | | <4 | <4 | <4 | <4 | |
| Azobenzene | ug/L | | | | <8 | | <8 | | |
| Barium, total | ug/L | 344 | | | 378 | 369 | 369 | 411 | |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Benzo(a)anthracene | ug/L | | | | <8 | | <8 | | |
| Benzo(a)pyrene | ug/L | | | | <8 | | <8 | | |
| Benzo(b)fluoranthene | ug/L | | | | <8 | | <8 | | |
| Benzo(g,h,i)perylene | ug/L | | | | <8 | | <8 | | |
| Benzo(k)fluoranthene | ug/L | | | | <8 | | <8 | | |
| Benzyl alcohol | ug/L | | | | <8 | | <8 | | |
| Beryllium, total | ug/L | <4.0 | | | <4.0 | <4.0 | <4.0 | <4.0 | |
| Beta-bhc | ug/L | | | | <.05 | | <.05 | | |
| Bis (2-chloroethoxy) methane | ug/L | | | | <8 | | <8 | | |
| Bis(2-chloroethyl) ether | ug/L | | | | <8 | | <8 | | |
| Bis(2-chloroisopropyl) ether | ug/L | | | | <8 | | <8 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | | | | <8 | | <8 | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Butyl benzyl phthalate | ug/L | | | | <8 | | <8 | | |
| Cadmium, total | ug/L | <.8 | | | <.8 | <.8 | <.8 | <.8 | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlordane | ug/L | | | | <.1 | | <.1 | | |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlorobenzilate | ug/L | | | | <8 | | <8 | | |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chloroprene | ug/L | | | | <1 | | <1 | | |
| Chromium, total | ug/L | <8.0 | | | <8.0 | <8.0 | <8.0 | <8.0 | |
| Chrysene | ug/L | | | | <8 | | <8 | | |
| Cis-1,2-dichloroethylene | ug/L | 1.9 | 6.1 | 3.6 | 3.7 | 2.6 | 6.0 | 2.7 | |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Cobalt, total | ug/L | .9 | | | 1.2 | 1.5 | 1.1 | <.8 | |
| Copper, total | ug/L | <4 | | | <4 | <4 | <4 | <4 | |
| Cyanide, total | mg/L | | | | <.005 | | <.005 | | |
| Delta-bhc | ug/L | | | | <.05 | | <.05 | | |
| Diallate | ug/L | | | | <8 | | <8 | | |
| Dibenzo(a,h)anthracene | ug/L | | | | <8 | | <8 | | |
| Dibenzofuran | ug/L | | | | <8 | | <8 | | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Dichlorodifluoromethane | ug/L | | | | <1 | | <1 | | |
| Dieldrin | ug/L | | | | <.05 | | <.05 | | |
| Diethyl phthalate | ug/L | | | | <8 | | <8 | | |
| Dimethoate | ug/L | | | | <.4 | | <.4 | | |
| Dimethylphthalate | ug/L | | | | <8 | | <8 | | |
| Di-n-butyl phthalate | ug/L | | | | <8 | | <8 | | |
| Di-n-octyl phthalate | ug/L | | | | <8 | | <8 | | |
| Dinoseb | ug/L | | | | <.5 | | <.5 | | |
| Diphenylamine | ug/L | | | | <8 | | <8 | | |
| Disulfoton | ug/L | | | | <.4 | | <.4 | | |
| Endosulfan i | ug/L | | | | <.05 | | <.05 | | |
| Endosulfan ii | ug/L | | | | <.05 | | <.05 | | |
| Endosulfan sulfate | ug/L | | | | <.05 | | <.05 | | |
| Endrin | ug/L | | | | <.05 | | <.05 | | |
| Endrin aldehyde | ug/L | | | | <.05 | | <.05 | | |
| Ethyl methacrylate | ug/L | | | | <10 | | <10 | | |
| Ethyl methanesulfonate | ug/L | | | | <8 | | <8 | | |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Famphur | ug/L | | | | <.4 | | <.4 | | |
| Fluoranthene | ug/L | | | | <8 | | <8 | | |
| Fluorene | ug/L | | | | <8 | | <8 | | |
| Gamma-bhc (lindane) | ug/L | | | | <.05 | | <.05 | | |
| Heptachlor | ug/L | | | | <.05 | | <.05 | | |

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

## Table 9

## Analytical Data Summary for MW-17R

| Constituents | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 |
|---|---|---|---|---|---|---|---|---|---|
| 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 | | | | | | | | | <.1 |
| Arochlor 1260 | | | | | | | | | <.1 |
| Arsenic, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Azobenzene | | | | | | | | | <8 |
| Barium, total | 408 | 406 | 430 | 533 | 429 | 398 | 416 | 442 | 446 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | | | | | | | | | <8 |
| Benzo(a)pyrene | | | | | | | | | <8 |
| Benzo(b)fluoranthene | | | | | | | | | <8 |
| Benzo(g,h,i)perylene | | | | | | | | | <8 |
| Benzo(k)fluoranthene | | | | | | | | | <8 |
| Benzyl alcohol | | | | | | | | | <8 |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Beta-bhc | | | | | | | | | <.05 |
| Bis (2-chloroethoxy) methane | | | | | | | | | <8 |
| Bis(2-chloroethyl) ether | | | | | | | | | <8 |
| Bis(2-chloroisopropyl) ether | | | | | | | | | <8 |
| Bis(2-ethylhexyl) phthalate | | | | | | | | | 13 |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | | | | | | <8 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | | | | | | | | | <.1 |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | | | | | | | | | <8 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | | | | | | | | | <1 |
| Chromium, total | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Chrysene | | | | | | | | | <8 |
| Cis-1,2-dichloroethylene | 3.5 | 2.7 | 3.4 | 4.9 | 4.3 | 3.1 | 3.3 | 4.0 | 4.1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | <2.0 | .8 | .9 | <.8 | 1.1 | 1.1 | .9 | 1.5 | 2.1 |
| Copper, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Cyanide, total | | | | | | | | | <.005 |
| Delta-bhc | | | | | | | | | <.05 |
| Diallate | | | | | | | | | <8 |
| Dibenzo(a,h)anthracene | | | | | | | | | <8 |
| Dibenzofuran | | | | | | | | | <8 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | | | | | | | <1 |
| Dieldrin | | | | | | | | | <.05 |
| Diethyl phthalate | | | | | | | | | <8 |
| Dimethoate | | | | | | | | | <.4 |
| Dimethylphthalate | | | | | | | | | <8 |
| Di-n-butyl phthalate | | | | | | | | | <8 |
| Di-n-octyl phthalate | | | | | | | | | <8 |
| Dinoseb | | | | | | | | | <.5 |
| Diphenylamine | | | | | | | | | <8 |
| Disulfoton | | | | | | | | | <.4 |
| Endosulfan i | | | | | | | | | <.05 |
| Endosulfan ii | | | | | | | | | <.05 |
| Endosulfan sulfate | | | | | | | | | <.05 |
| Endrin | | | | | | | | | <.05 |
| Endrin aldehyde | | | | | | | | | <.05 |
| Ethyl methacrylate | | | | | | | | | <10 |
| Ethyl methanesulfonate | | | | | | | | | <8 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | | | | | | | | | <.4 |
| Fluoranthene | | | | | | | | | <8 |
| Fluorene | | | | | | | | | <8 |
| Gamma-bhc (lindane) | | | | | | | | | <.05 |
| Heptachlor | | | | | | | | | <.05 |

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

## Table 9

### Analytical Data Summary for MW-17R

| Constituents | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|
| Anthracene | | | | | | | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Arochlor 1016 | | | | | | | |
| Arochlor 1221 | | | | | | | |
| Arochlor 1232 | | | | | | | |
| Arochlor 1242 | | | | | | | |
| Arochlor 1248 | | | | | | | |
| Arochlor 1254 | | | | | | | |
| Arochlor 1260 | | | | | | | |
| Arsenic, total | <4 | <4 | <4 | <4 | <4 | <4 | <2 |
| Azobenzene | | | | | | | |
| Barium, total | 587 | 446 | 422 | 432 | 435 | 410 | 459 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | | | | | | | |
| Benzo(a)pyrene | | | | | | | |
| Benzo(b)fluoranthene | | | | | | | |
| Benzo(g,h,i)perylene | | | | | | | |
| Benzo(k)fluoranthene | | | | | | | |
| Benzyl alcohol | | | | | | | |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Beta-bhc | | | | | | | |
| Bis (2-chloroethoxy) methane | | | | | | | |
| Bis(2-chloroethyl) ether | | | | | | | |
| Bis(2-chloroisopropyl) ether | | | | | | | |
| Bis(2-ethylhexyl) phthalate | <6 | | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | | | | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.2 |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | | | | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | | | | | | | |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | | | | | | | |
| Chromium, total | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | 1.3 |
| Chrysene | | | | | | | |
| Cis-1,2-dichloroethylene | 3.4 | 2.2 | 3.7 | 1.1 | 1.6 | <1.0 | <1.0 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | 5.6 | 1.6 | 1.8 | 4.0 | 4.1 | 1.9 | 1.6 |
| Copper, total | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Cyanide, total | | | | | | | |
| Delta-bhc | | | | | | | |
| Diallate | | | | | | | |
| Dibenzo(a,h)anthracene | | | | | | | |
| Dibenzofuran | | | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | | | | | |
| Dieldrin | | | | | | | |
| Diethyl phthalate | | | | | | | |
| Dimethoate | | | | | | | |
| Dimethylphthalate | | | | | | | |
| Di-n-butyl phthalate | | | | | | | |
| Di-n-octyl phthalate | | | | | | | |
| Dinoseb | | | | | | | |
| Diphenylamine | | | | | | | |
| Disulfoton | | | | | | | |
| Endosulfan i | | | | | | | |
| Endosulfan ii | | | | | | | |
| Endosulfan sulfate | | | | | | | |
| Endrin | | | | | | | |
| Endrin aldehyde | | | | | | | |
| Ethyl methacrylate | | | | | | | |
| Ethyl methanesulfonate | | | | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | | | | | | | |
| Fluoranthene | | | | | | | |
| Fluorene | | | | | | | |
| Gamma-bhc (lindane) | | | | | | | |
| Heptachlor | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-17R

| Constituents | Units | 9/23/2014<br>9/24/2014 | 3/18/2015<br>3/19/2015 | 8/27/2015<br>9/2/2015 | 3/3/2016<br>3/4/2016 | 9/20/2016<br>9/21/2016 | 3/9/2017 | 9/14/2017 | 12/13/2017 |
|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | ug/L | | | | <.05 | | <.05 | | |
| Hexachlorobenzene | ug/L | | | | <.05 | | <.05 | | |
| Hexachlorobutadiene | ug/L | | | | <8 | | <8 | | |
| Hexachlorocyclopentadiene | ug/L | | | | <8 | | <8 | | |
| Hexachloroethane | ug/L | | | | <8 | | <8 | | |
| Hexachloropropene | ug/L | | | | <8 | | <8 | | |
| Indeno(1,2,3-cd)pyrene | ug/L | | | | <8 | | <8 | | |
| Isobutanol | mg/L | | | | <1 | | <1 | | |
| Isodrin | ug/L | | | | <8 | | <8 | | |
| Isophorone | ug/L | | | | <8 | | <8 | | |
| Isosafrole | ug/L | | | | <8 | | <8 | | |
| Kepone | ug/L | | | | <8 | | <8 | | |
| Lead, total | ug/L | <4 | | | <4 | <4 | <4 | <4 | |
| Mercury, total | ug/L | | | | <.5 | | <.5 | | |
| Methacrylonitrile | ug/L | | | | <1 | | <1 | | |
| Methapyrilene | ug/L | | | | <8 | | <8 | | |
| Methoxychlor | ug/L | | | | <.05 | | <.05 | | |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl methacrylate | ug/L | | | | <1 | | <1 | | |
| Methyl methanesulfonate | ug/L | | | | <8 | | <8 | | |
| Methyl parathion | ug/L | | | | <.4 | | <.4 | | |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | ug/L | | | | <8 | | <8 | | |
| Nickel, total | ug/L | 14.9 | | | 16.3 | 15.2 | 16.6 | 20.1 | 17.2 |
| Nitrobenzene | ug/L | | | | <8 | | <8 | | |
| N-nitrosodiethylamine | ug/L | | | | <8 | | <8 | | |
| N-nitrosodimethylamine | ug/L | | | | <8 | | <8 | | |
| N-nitrosodi-n-butylamine | ug/L | | | | <8 | | <8 | | |
| N-nitroso-di-n-propylamine | ug/L | | | | <8 | | <8 | | |
| N-nitrosodiphenylamine | ug/L | | | | <8 | | <8 | | |
| N-nitrosomethylethylamine | ug/L | | | | <8 | | <8 | | |
| N-nitrosopiperidine | ug/L | | | | <8 | | <8 | | |
| N-nitrosopyrrolidine | ug/L | | | | <8 | | <8 | | |
| O,o,o-triethyl phosphorothioate | ug/L | | | | <.4 | | <.4 | | |
| O-toluidine | ug/L | | | | <8 | | <8 | | |
| Parathion | ug/L | | | | <.4 | | <.4 | | |
| P-dimethylaminoazobenzene | ug/L | | | | <8 | | <8 | | |
| Pentachlorobenzene | ug/L | | | | <8 | | <8 | | |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | <8 | | <8 | | |
| Pentachlorophenol | ug/L | | | | <8 | | <8 | | |
| Phenacetin | ug/L | | | | <8 | | <8 | | |
| Phenanthrene | ug/L | | | | <8 | | <8 | | |
| Phenol | ug/L | | | | <8 | | <8 | | |
| Phorate | ug/L | | | | <.4 | | <.4 | | |
| Pronamide | ug/L | | | | <8 | | <8 | | |
| Propionitrile | ug/L | | | | <10 | | <10 | | |
| Pyrene | ug/L | | | | <8 | | <8 | | |
| Safrole | ug/L | | | | <8 | | <8 | | |
| Selenium, total | ug/L | <4 | | | <4 | <4 | <4 | <4 | |
| Silver, total | ug/L | <4 | | | <4 | <4 | <4 | <4 | |
| Solids, total suspended | mg/L | 1060 | 139 | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Sulfide, total | mg/L | | | | <.1 | | <.1 | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Thallium, total | ug/L | <4.0 | | | <4.0 | <4.0 | <4.0 | <4.0 | |
| Thionazin | ug/L | | | | <.4 | | <.4 | | |
| Tin, total | ug/L | | | | <20 | | <20 | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toxaphene | ug/L | | | | <.2 | | <.2 | | |
| Trans-1,2-dichloroethylene | ug/L | <1.0 | <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 | |
| 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 | |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| Zinc, total | ug/L | 19.8 | | | <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-17R

| Constituents | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 |
|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | | | | | | | | | <.05 |
| Hexachlorobenzene | | | | | | | | | <.05 |
| Hexachlorobutadiene | | | | | | | | | <8 |
| Hexachlorocyclopentadiene | | | | | | | | | <8 |
| Hexachloroethane | | | | | | | | | <8 |
| Hexachloropropene | | | | | | | | | <8 |
| Indeno(1,2,3-cd)pyrene | | | | | | | | | <8 |
| Isobutanol | | | | | | | | | <1 |
| Isodrin | | | | | | | | | <8 |
| Isophorone | | | | | | | | | <8 |
| Isosafrole | | | | | | | | | <8 |
| Kepone | | | | | | | | | <8 |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Mercury, total | | | | | | | | | <.5 |
| Methacrylonitrile | | | | | | | | | <1 |
| Methapyrilene | | | | | | | | | <8 |
| Methoxychlor | | | | | | | | | <.05 |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Methyl methacrylate | | | | | | | | | <1 |
| Methyl methanesulfonate | | | | | | | | | <8 |
| Methyl parathion | | | | | | | | | <.4 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | | | | | | | | <8 |
| Nickel, total | 17.6 | 18.1 | 20.3 | 21.4 | 19.2 | 19.0 | 20.8 | 21.8 | 22.3 |
| Nitrobenzene | | | | | | | | | <8 |
| N-nitrosodiethylamine | | | | | | | | | <8 |
| N-nitrosodimethylamine | | | | | | | | | <8 |
| N-nitrosodi-n-butylamine | | | | | | | | | <8 |
| N-nitroso-di-n-propylamine | | | | | | | | | <8 |
| N-nitrosodiphenylamine | | | | | | | | | <8 |
| N-nitrosomethylethylamine | | | | | | | | | <8 |
| N-nitrosopiperidine | | | | | | | | | <8 |
| N-nitrosopyrrolidine | | | | | | | | | <8 |
| O,o,o-triethyl phosphorothioate | | | | | | | | | <.4 |
| O-toluidine | | | | | | | | | <8 |
| Parathion | | | | | | | | | <.4 |
| P-dimethylaminoazobenzene | | | | | | | | | <8 |
| Pentachlorobenzene | | | | | | | | | <8 |
| Pentachloronitrobenzene (pcnb) | | | | | | | | | <8 |
| Pentachlorophenol | | | | | | | | | <8 |
| Phenacetin | | | | | | | | | <8 |
| Phenanthrene | | | | | | | | | <8 |
| Phenol | | | | | | | | | <8 |
| Phorate | | | | | | | | | <.4 |
| Pronamide | | | | | | | | | <8 |
| Propionitrile | | | | | | | | | <10 |
| Pyrene | | | | | | | | | <8 |
| Safrole | | | | | | | | | <8 |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total | | | | | | | | | <.1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <4.0 | <4.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Thionazin | | | | | | | | | <.4 |
| Tin, total | | | | | | | | | <20 |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | | | | | | | | | <.2 |
| Trans-1,2-dichloroethylene | 3.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <8.0 | 13.9 | <8.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |

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

## Table 9

### Analytical Data Summary for MW-17R

| Constituents | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | | | | | | | |
| Hexachlorobenzene | | | | | | | |
| Hexachlorobutadiene | | | | | | | |
| Hexachlorocyclopentadiene | | | | | | | |
| Hexachloroethane | | | | | | | |
| Hexachloropropene | | | | | | | |
| Indeno(1,2,3-cd)pyrene | | | | | | | |
| Isobutanol | | | | | | | |
| Isodrin | | | | | | | |
| Isophorone | | | | | | | |
| Isosafrole | | | | | | | |
| Kepone | | | | | | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <1 |
| Mercury, total | | | | | | | |
| Methacrylonitrile | | | | | | | |
| Methapyrilene | | | | | | | |
| Methoxychlor | | | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | | | | | | | |
| Methyl methanesulfonate | | | | | | | |
| Methyl parathion | | | | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | | | | | | |
| Nickel, total | 28.9 | 22.2 | 21.4 | 18.9 | 24.2 | 22.5 | 22.5 |
| Nitrobenzene | | | | | | | |
| N-nitrosodiethylamine | | | | | | | |
| N-nitrosodimethylamine | | | | | | | |
| N-nitrosodi-n-butylamine | | | | | | | |
| N-nitroso-di-n-propylamine | | | | | | | |
| N-nitrosodiphenylamine | | | | | | | |
| N-nitrosomethylethylamine | | | | | | | |
| N-nitrosopiperidine | | | | | | | |
| N-nitrosopyrrolidine | | | | | | | |
| O,o,o-triethyl phosphorothioate | | | | | | | |
| O-toluidine | | | | | | | |
| Parathion | | | | | | | |
| P-dimethylaminoazobenzene | | | | | | | |
| Pentachlorobenzene | | | | | | | |
| Pentachloronitrobenzene (pcnb) | | | | | | | |
| Pentachlorophenol | | | | | | | |
| Phenacetin | | | | | | | |
| Phenanthrene | | | | | | | |
| Phenol | | | | | | | |
| Phorate | | | | | | | |
| Pronamide | | | | | | | |
| Propionitrile | | | | | | | |
| Pyrene | | | | | | | |
| Safrole | | | | | | | |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <2 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Solids, total suspended | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total | | | | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| Thionazin | | | | | | | |
| Tin, total | | | | | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | | | | | | | |
| Trans-1,2-dichloroethylene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <2 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | 16.4 |

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

## Table 9

## Analytical Data Summary for MW-18

| Constituents | Units | 9/23/2014 9/24/2014 | 12/2/2014 | 3/18/2015 3/19/2015 | 6/17/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 7/12/2017 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Antimony, total | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 2.6 | <2.0 | <2.0 | |
| Arsenic, total | ug/L | 23.0 | 38.7 | 30.7 | 53.7 | 26.8 | 97.7 | 33.2 | 34.0 | 22.3 |
| Barium, total | ug/L | 407 | 459 | 436 | 377 | 392 | 486 | 320 | 465 | |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chromium, total | ug/L | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | |
| Cis-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Cobalt, total | ug/L | .8 | 1.2 | 1.3 | 1.4 | .9 | 2.1 | 3.5 | 1.9 | |
| 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 | 5.0 | 5.4 | 6.3 | 10.3 | 6.8 | 12.7 | <4.0 | 5.3 | |
| Selenium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | |
| Solids, total suspended | mg/L | 162 | | 40 | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Thallium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vanadium, total | ug/L | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 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 | 11.9 | 11.3 | <8.0 | 23.7 | 13.5 | 18.8 | 8.7 | <8.0 | |

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

## Table 9

## Analytical Data Summary for MW-18

| Constituents | 9/14/2017 | 12/13/2017 | 3/12/2018<br>3/13/2018 | 9/10/2018 | 3/26/2019 | 9/16/2019 | 3/23/2020<br>3/24/2020 | 9/2/2020 | 3/8/2021 |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <1 | | <1 | <1 | <5 | <1 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <5 | | <5 | <5 | <25 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | <5 | | <5 | <5 | <25 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | | <5 | <5 | <25 | <5 | <5 | <5 | <5 |
| Acetone | <10 | | <10 | <10 | <50 | <10 | <10 | <10 | <10 |
| Acrylonitrile | <5 | | <5 | <5 | <25 | <5 | <5 | <5 | <5 |
| Antimony, total | <2.0 | | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Arsenic, total | 8.3 | 7.2 | 11.6 | 11.4 | 26.1 | 13.0 | 10.7 | 14.3 | 14.2 |
| Barium, total | 452 | | 410 | 374 | 352 | 559 | 330 | 478 | 463 |
| Benzene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Beryllium, total | <4.0 | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Bromochloromethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Cadmium, total | 1.3 | | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Chromium, total | 10.4 | | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Cis-1,2-dichloroethylene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Cobalt, total | 3.1 | | <2.0 | .9 | 1.6 | 1.0 | <.8 | .8 | 1.1 |
| Copper, total | 6.3 | | <4.0 | 5.2 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | | <5 | <5 | <25 | <5 | <5 | <5 | <5 |
| Nickel, total | 16.1 | | <4.0 | 4.4 | 7.2 | 4.7 | 4.4 | <4.0 | <4.0 |
| Selenium, total | <4.0 | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Silver, total | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | | | | | | | | | |
| Styrene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Thallium, total | <4.0 | | <4.0 | <4.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Toluene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | | <5 | <5 | <25 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Vanadium, total | 30.7 | | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |
| Vinyl acetate | <5 | | <5 | <5 | <25 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | | <2 | <2 | <10 | <2 | <2 | <2 | <2 |
| Zinc, total | 53.3 | | <8.0 | 27.3 | 13.7 | 20.6 | <20.0 | <20.0 | <20.0 |

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

## Table 9

## Analytical Data Summary for MW-18

| Constituents | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | | | | |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | | | | |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | | | | |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | | | | |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | | | | |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | | | | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | | | | |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | | | | |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | | | | |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | | | | |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | | | | |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | | | | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | | | | |
| 2-butanone (mek) | <5 | <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 | | | | |
| Antimony, total | <2.0 | 2.1 | <2.0 | 4.2 | 5.5 | 2.4 | <2.0 | 1.0 |
| Arsenic, total | 15.3 | 26.8 | 34.0 | 79.4 | 26.8 | 4.8 | <4.0 | 2.2 |
| Barium, total | 499 | 479 | 551 | 655 | 509 | 477 | 560 | 827 |
| Benzene | <1 | <1 | <1 | <1 | | | | |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Bromochloromethane | <1 | <1 | <1 | <1 | | | | |
| Bromodichloromethane | <1 | <1 | <1 | <1 | | | | |
| Bromoform | <1 | <1 | <1 | <1 | | | | |
| Bromomethane | <1 | <1 | <1 | <1 | | | | |
| Cadmium, total | <.8 | 1.3 | 1.1 | 3.9 | 1.8 | 2.5 | 1.2 | .9 |
| Carbon disulfide | <1 | <1 | <1 | <1 | | | | |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | | | | |
| Chloroethane | <1 | <1 | <1 | <1 | | | | |
| Chloroform | <1 | <1 | <1 | <1 | | | | |
| Chloromethane | <1 | <1 | <1 | <1 | | | | |
| Chromium, total | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | 1.0 |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | | | | |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | | | | |
| Cobalt, total | 1.7 | .7 | 7.2 | 2.9 | 2.2 | 2.3 | .4 | 4.0 |
| Copper, total | <4.0 | 6.7 | 12.0 | 9.9 | 5.9 | 4.7 | 4.1 | <5.0 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | | | | |
| Dibromomethane | <1 | <1 | <1 | <1 | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | | | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <1 |
| Methyl iodide | <1 | <1 | <1 | <1 | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | | | | |
| Nickel, total | 10.7 | 8.4 | 11.3 | 23.8 | 14.0 | 33.6 | 12.0 | 15.5 |
| Selenium, total | <4.0 | 5.1 | 8.7 | 16.2 | 8.0 | 8.9 | 9.6 | 2.5 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Solids, total suspended | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | | | | |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| Toluene | <1 | <1 | <1 | <1 | | | | |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | | | | |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | | | | |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | | | | |
| Trichloroethylene | <1 | <1 | <1 | <1 | | | | |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | | | | |
| Vanadium, total | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <2.0 |
| Vinyl acetate | <5 | <5 | <5 | <5 | | | | |
| Vinyl chloride | <1 | <1 | <1 | <1 | | | | |
| Xylenes, total | <2 | <2 | <2 | <2 | | | | |
| Zinc, total | 34.6 | <20.0 | <20.0 | 51.2 | 48.1 | 73.5 | 34.1 | 31.0 |

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

## Table 9

## Analytical Data Summary for MW-21

| Constituents | Units | 9/23/2014<br>9/24/2014 | 3/18/2015<br>3/19/2015 | 8/27/2015<br>9/2/2015 | 3/3/2016<br>3/4/2016 | 9/20/2016<br>9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018<br>3/13/2018 | 9/10/2018 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | 12 | <10 | <10 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Barium, total | ug/L | 114 | 144 | 141 | 122 | 134 | 136 | 150 | 136 | 156 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Cis-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <2.0 | .8 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| 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 | 5.1 |
| Selenium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | 617 | 224 | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | <16.0 | <8.0 | 8.5 | <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-21

| Constituents | 3/26/2019 | 9/16/2019 | 3/23/2020<br>3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <25 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <50 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| Arsenic, total | <4 | <4 | <4 | <4 | | <4 | <4 | <4 | <4 |
| Barium, total | 181 | 172 | 139 | 159 | | 171 | 158 | 229 | 168 |
| Benzene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | | <4.0 | <4.0 | <4.0 | <4.0 |
| Bromochloromethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <5 | <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 |
| Cis-1,2-dichloroethylene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | <.8 | <.8 | <.8 | <.4 | | .7 | .4 | 5.1 | <.4 |
| Copper, total | <4 | <4 | <4 | <4 | | <4 | <4 | <4 | <4 |
| Dibromochloromethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 | | <4 | <4 | <4 | <4 |
| Methyl iodide | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | 4.5 | <4.0 | <4.0 | <4.0 | | 5.0 | <4.0 | 5.0 | <4.0 |
| Selenium, total | <4 | <4 | <4 | <4 | | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | | <4 | <4 | <4 | <4 |
| Solids, total suspended | | | | | | | | | |
| Styrene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | | <2.0 | <2.0 | <2.0 | <2.0 |
| Toluene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | | <20 | <20 | <20 | <20 |
| Vinyl acetate | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | 8.4 | <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-21

| Constituents | 9/5/2023 | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <10 | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | <2 | <2 | <2 | <2 | <1 |
| Arsenic, total | <4 | <4 | <4 | <4 | <2 |
| Barium, total | 162 | 142 | 146 | 142 | 169 |
| Benzene | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.2 |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | <8.0 | <8.0 | <8.0 | <8.0 | 1.1 |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | <.4 | <.4 | <.4 | <.4 | <.5 |
| Copper, total | <4 | <4 | <4 | <4 | <5 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 | <1 |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | <4.0 | <4.0 | <4.0 | <4.0 | <5.0 |
| Selenium, total | <4 | <4 | <4 | <4 | <2 |
| Silver, total | <4 | <4 | <4 | <4 | <5 |
| Solids, total suspended | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| Toluene | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <2 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | <20.0 | <20.0 | 5.0 |

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

## Table 9

## Analytical Data Summary for MW-28

| Constituents | Units | 9/23/2014 9/24/2014 | 12/2/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 12/10/2015 | 2/11/2016 | 3/3/2016 3/4/2016 | 5/10/2016 |
|---|---|---|---|---|---|---|---|---|---|
| (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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloropropene | ug/L | | | | | | | | |
| 1,2,3-trichloropropane | ug/L | <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 | |
| 1,2-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 | ug/L | | | | | | | | |
| 2,3,4,6-tetrachlorophenol | ug/L | | | | | | | | |
| 2,4,5-t | ug/L | | | | | | | | |
| 2,4,5-tp (silvex) | ug/L | | | | | | | | |
| 2,4,5-trichlorophenol | ug/L | | | | | | | | |
| 2,4,6-trichlorophenol | ug/L | | | | | | | | |
| 2,4-d | ug/L | | | | | | | | |
| 2,4-dichlorophenol | ug/L | | | | | | | | |
| 2,4-dimethylphenol | ug/L | | | | | | | | |
| 2,4-dinitrophenol | ug/L | | | | | | | | |
| 2,4-dinitrotoluene | ug/L | | | | | | | | |
| 2,6-dichlorophenol | ug/L | | | | | | | | |
| 2,6-dinitrotoluene | ug/L | | | | | | | | |
| 2-acetylaminofluorene | ug/L | | | | | | | | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 2-chloronaphthalene | ug/L | | | | | | | | |
| 2-chlorophenol | ug/L | | | | | | | | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 2-methylnaphthalene | ug/L | | | | | | | | |
| 2-methylphenol | ug/L | | | | | | | | |
| 2-naphthylamine | ug/L | | | | | | | | |
| 2-nitroaniline | ug/L | | | | | | | | |
| 2-nitrophenol | ug/L | | | | | | | | |
| 3,3´-dichlorobenzidine | ug/L | | | | | | | | |
| 3,3'-dimethylbenzidine | ug/L | | | | | | | | |
| 3-methylcholanthrene | ug/L | | | | | | | | |
| 3-nitroaniline | ug/L | | | | | | | | |
| 4,4´-ddd | ug/L | | | | | | | | |
| 4,4´-dde | ug/L | | | | | | | | |
| 4,4´-ddt | ug/L | | | | | | | | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | | | | | |
| 4-aminobiphenyl | ug/L | | | | | | | | |
| 4-bromophenyl phenyl ether | ug/L | | | | | | | | |
| 4-chloro-3-methylphenol | ug/L | | | | | | | | |
| 4-chloroaniline | ug/L | | | | | | | | |
| 4-chlorophenyl phenyl ether | ug/L | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 4-nitroaniline | ug/L | | | | | | | | |
| 4-nitrophenol | ug/L | | | | | | | | |
| 5-nitro-o-toluidine | ug/L | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | | | | | |
| Acenaphthene | ug/L | | | | | | | | |
| Acenaphthylene | ug/L | | | | | | | | |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | |
| Acetonitrile | ug/L | | | | | | | | |
| Acetophenone | ug/L | | | | | | | | |
| Acrolein | ug/L | | | | | | | | |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Aldrin | ug/L | | | | | | | | |
| 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-28

| Constituents | 9/20/2016<br>9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018<br>3/13/2018 | 9/10/2018 | 3/26/2019 | 7/17/2019 | 9/16/2019 | 3/23/2020<br>3/24/2020 |
|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | | | | | | | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,1-dichloropropene | | | | | | | | | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | | | | | | |
| 1,2,4-trichlorobenzene | | | | | | | | | |
| 1,2-dibromo-3-chloropropane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,2-dinitrobenzene | | | | | | | | | |
| 1,3,5-trinitrobenzene | | | | | | | | | |
| 1,3-dichlorobenzene | | | | | | | | | |
| 1,3-dichloropropane | | | | | | | | | |
| 1,3-dinitrobenzene | | | | | | | | | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,4-naphthoquinone | | | | | | | | | |
| 1,4-phenylenediamine | | | | | | | | | |
| 1-naphthylamine | | | | | | | | | |
| 2,2-dichloropropane | | | | | | | | | |
| 2,3,4,6-tetrachlorophenol | | | | | | | | | |
| 2,4,5-t | | | | | | | | | |
| 2,4,5-tp (silvex) | | | | | | | | | |
| 2,4,5-trichlorophenol | | | | | | | | | |
| 2,4,6-trichlorophenol | | | | | | | | | |
| 2,4-d | | | | | | | | | |
| 2,4-dichlorophenol | | | | | | | | | |
| 2,4-dimethylphenol | | | | | | | | | |
| 2,4-dinitrophenol | | | | | | | | | |
| 2,4-dinitrotoluene | | | | | | | | | |
| 2,6-dichlorophenol | | | | | | | | | |
| 2,6-dinitrotoluene | | | | | | | | | |
| 2-acetylaminofluorene | | | | | | | | | |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| 2-chloronaphthalene | | | | | | | | | |
| 2-chlorophenol | | | | | | | | | |
| 2-hexanone (mbk) | <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 |
| 4-nitroaniline | | | | | | | | | |
| 4-nitrophenol | | | | | | | | | |
| 5-nitro-o-toluidine | | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | | | | | | |
| Acenaphthene | | | | | | | | | |
| Acenaphthylene | | | | | | | | | |
| Acetone | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 |
| Acetonitrile | | | | | | | | | |
| Acetophenone | | | | | | | | | |
| Acrolein | | | | | | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| Aldrin | | | | | | | | | |
| Allyl chloride | | | | | | | | | |
| Alpha-bhc | | | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-28

| Constituents | 9/2/2020 | 3/8/2021 | 10/15/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 |
|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | <8 | | <8 | | | | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | <1 | | <1 | | | | | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | <8 | | <8 | | | | | |
| 1,2,4-trichlorobenzene | | <1 | | <1 | | | | | |
| 1,2-dibromo-3-chloropropane | <5 | <1 | <5 | <1 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | <8 | | <8 | | | | | |
| 1,3,5-trinitrobenzene | | <8 | | <8 | | | | | |
| 1,3-dichlorobenzene | | <1 | | <1 | | | | | |
| 1,3-dichloropropane | | <1 | | <1 | | | | | |
| 1,3-dinitrobenzene | | <8 | | <8 | | | | | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | | <8 | | <8 | | | | | |
| 1,4-phenylenediamine | | <8 | | <8 | | | | | |
| 1-naphthylamine | | <8 | | <8 | | | | | |
| 2,2-dichloropropane | | <1 | | <1 | | | | | |
| 2,3,4,6-tetrachlorophenol | | <8 | | <8 | | | | | |
| 2,4,5-t | | <.5 | | <.5 | | | | | |
| 2,4,5-tp (silvex) | | <.5 | | <.5 | | | | | |
| 2,4,5-trichlorophenol | | <8 | | <8 | | | | | |
| 2,4,6-trichlorophenol | | <8 | | <8 | | | | | |
| 2,4-d | | <2 | | <2 | | | | | |
| 2,4-dichlorophenol | | <8 | | <8 | | | | | |
| 2,4-dimethylphenol | | <8 | | <8 | | | | | |
| 2,4-dinitrophenol | | <8 | | <8 | | | | | |
| 2,4-dinitrotoluene | | <8 | | <8 | | | | | |
| 2,6-dichlorophenol | | <8 | | <8 | | | | | |
| 2,6-dinitrotoluene | | <8 | | <8 | | | | | |
| 2-acetylaminofluorene | | <8 | | <8 | | | | | |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <10 | <10 | <10 | <10 | <10 |
| 2-chloronaphthalene | | <8 | | <8 | | | | | |
| 2-chlorophenol | | <8 | | <8 | | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | <8 | | <8 | | | | | |
| 2-methylphenol | | <8 | | <8 | | | | | |
| 2-naphthylamine | | <8 | | <8 | | | | | |
| 2-nitroaniline | | <8 | | <8 | | | | | |
| 2-nitrophenol | | <8 | | <8 | | | | | |
| 3,3´-dichlorobenzidine | | <8 | | <8 | | | | | |
| 3,3'-dimethylbenzidine | | <8 | | <8 | | | | | |
| 3-methylcholanthrene | | <8 | | <8 | | | | | |
| 3-nitroaniline | | <8 | | <8 | | | | | |
| 4,4´-ddd | | <.05 | | <.05 | | | | | |
| 4,4´-dde | | <.05 | | <.05 | | | | | |
| 4,4´-ddt | | <.05 | | <.05 | | | | | |
| 4,6-dinitro-2-methylphenol | | <8 | | <8 | | | | | |
| 4-aminobiphenyl | | <8 | | <8 | | | | | |
| 4-bromophenyl phenyl ether | | <8 | | <8 | | | | | |
| 4-chloro-3-methylphenol | | <8 | | <8 | | | | | |
| 4-chloroaniline | | <8 | | <8 | | | | | |
| 4-chlorophenyl phenyl ether | | <8 | | <8 | | | | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | <8 | | <8 | | | | | |
| 4-nitrophenol | | <8 | | <8 | | | | | |
| 5-nitro-o-toluidine | | <8 | | <8 | | | | | |
| 7,12-dimethylbenz(a)anthracene | | <8 | | <8 | | | | | |
| Acenaphthene | | <8 | | <8 | | | | | |
| Acenaphthylene | | <8 | | <8 | | | | | |
| Acetone | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acetonitrile | | <10 | | <10 | | | | | |
| Acetophenone | | <8 | | <8 | | | | | |
| Acrolein | | <10 | | <10 | | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | | <.05 | | <.05 | | | | | |
| Allyl chloride | | <1 | | <1 | | | | | |
| Alpha-bhc | | <.05 | | <.05 | | | | | |

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

## Table 9

## Analytical Data Summary for MW-28

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

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

## Table 9

## Analytical Data Summary for MW-28

| Constituents | Units | 9/23/2014 9/24/2014 | 12/2/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 12/10/2015 | 2/11/2016 | 3/3/2016 3/4/2016 | 5/10/2016 |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | ug/L | | | | | | | | |
| Antimony, total | ug/L | | | | | | | | |
| 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 | | | | | | | | |
| Azobenzene | ug/L | | | | | | | | |
| Barium, total | ug/L | | | | | | | | |
| 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 | | | | | | | | |
| Beryllium, total | ug/L | | | | | | | | |
| Beta-bhc | ug/L | | | | | | | | |
| Bicarbonate, as caco3 | mg/L | | | | | | | | |
| Bis (2-chloroethoxy) methane | ug/L | | | | | | | | |
| Bis(2-chloroethyl) ether | ug/L | | | | | | | | |
| Bis(2-chloroisopropyl) ether | ug/L | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | ug/L | | | | | | | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Butyl benzyl phthalate | ug/L | | | | | | | | |
| Cadmium, total | ug/L | | | | | | | | |
| Calcium, total | mg/L | | | | | | | | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlordane | ug/L | | | | | | | | |
| Chloride | mg/L | | | | | | | | |
| 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 | | | | | | | | |
| Chrysene | ug/L | | | | | | | | |
| Cis-1,2-dichloroethylene | ug/L | 4.4 | 3.9 | 3.5 | 2.8 | 3.6 | 5.4 | 14.9 | 7.8 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Cobalt, total | ug/L | | | | | | | | |
| Copper, total | ug/L | | | | | | | | |
| 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 | | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-28

| Constituents | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 | 7/17/2019 | 9/16/2019 | 3/23/2020 3/24/2020 |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | | | | | | | | | |
| Antimony, total | | | | | | | | | <2 |
| Arochlor 1016 | | | | | | | | | |
| Arochlor 1221 | | | | | | | | | |
| Arochlor 1232 | | | | | | | | | |
| Arochlor 1242 | | | | | | | | | |
| Arochlor 1248 | | | | | | | | | |
| Arochlor 1254 | | | | | | | | | |
| Arochlor 1260 | | | | | | | | | |
| Arsenic, total | | | | | | | | | 72.8 |
| Azobenzene | | | | | | | | | |
| Barium, total | | | | | | | | | 1030 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Benzo(a)anthracene | | | | | | | | | |
| Benzo(a)pyrene | | | | | | | | | |
| Benzo(b)fluoranthene | | | | | | | | | |
| Benzo(g,h,i)perylene | | | | | | | | | |
| Benzo(k)fluoranthene | | | | | | | | | |
| Benzyl alcohol | | | | | | | | | |
| Beryllium, total | | | | | | | | | <4.0 |
| Beta-bhc | | | | | | | | | |
| Bicarbonate, as caco3 | | | | | | | | | |
| Bis (2-chloroethoxy) methane | | | | | | | | | |
| Bis(2-chloroethyl) ether | | | | | | | | | |
| Bis(2-chloroisopropyl) ether | | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | | | | | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 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 | | | | | | | | | |
| Cadmium, total | | | | | | | | | <.8 |
| Calcium, total | | | | | | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chlordane | | | | | | | | | |
| Chloride | | | | | | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chlorobenzilate | | | | | | | | | |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chloroprene | | | | | | | | | |
| Chromium, total | | | | | | | | | <8 |
| Chrysene | | | | | | | | | |
| Cis-1,2-dichloroethylene | 5.0 | 15.3 | 15.2 | 21.6 | 12.2 | 17.7 | | 13.4 | 15.6 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Cobalt, total | | | | | | | | | 38.2 |
| Copper, total | | | | | | | | | <4 |
| Cyanide, total | | | | | | | | | |
| Delta-bhc | | | | | | | | | |
| Diallate | | | | | | | | | |
| Dibenzo(a,h)anthracene | | | | | | | | | |
| Dibenzofuran | | | | | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Dichlorodifluoromethane | | | | | | | | | |
| Dieldrin | | | | | | | | | |
| Diethyl phthalate | | | | | | | | | |
| Dimethoate | | | | | | | | | |
| Dimethylphthalate | | | | | | | | | |
| Di-n-butyl phthalate | | | | | | | | | |
| Di-n-octyl phthalate | | | | | | | | | |
| Dinoseb | | | | | | | | | |
| Diphenylamine | | | | | | | | | |
| Disulfoton | | | | | | | | | |
| Endosulfan i | | | | | | | | | |
| Endosulfan ii | | | | | | | | | |
| Endosulfan sulfate | | | | | | | | | |
| Endrin | | | | | | | | | |
| Endrin aldehyde | | | | | | | | | |
| Ethyl methacrylate | | | | | | | | | |
| Ethyl methanesulfonate | | | | | | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Famphur | | | | | | | | | |
| Fluoranthene | | | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-28

| Constituents | 9/2/2020 | 3/8/2021 | 10/15/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | | <8 | | <8 | | | | | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 | | <.1 | | <.1 | | | | | |
| Arochlor 1221 | | <.2 | | <.2 | | | | | |
| Arochlor 1232 | | <.2 | | <.2 | | | | | |
| Arochlor 1242 | | <.2 | | <.2 | | | | | |
| Arochlor 1248 | | <.2 | | <.2 | | | | | |
| Arochlor 1254 | | <.1 | | <.1 | | | | | |
| Arochlor 1260 | | <.1 | | <.1 | | | | | |
| Arsenic, total | <4.0 | 13.8 | 4.3 | 38.7 | 8.2 | 100.0 | 8.8 | 59.7 | 4.0 |
| Azobenzene | | <8 | | <8 | | | | | |
| Barium, total | 655 | 735 | 679 | 1080 | 865 | 1570 | 647 | 1390 | 652 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | | <8 | | <8 | | | | | |
| Benzo(a)pyrene | | <8 | | <8 | | | | | |
| Benzo(b)fluoranthene | | <8 | | <8 | | | | | |
| Benzo(g,h,i)perylene | | <8 | | <8 | | | | | |
| Benzo(k)fluoranthene | | <8 | | <8 | | | | | |
| Benzyl alcohol | | <8 | | <8 | | | | | |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Beta-bhc | | <.05 | | <.05 | | | | | |
| Bicarbonate, as caco3 | | | 764 | | | | | | |
| Bis (2-chloroethoxy) methane | | <8 | | <8 | | | | | |
| Bis(2-chloroethyl) ether | | <8 | | <8 | | | | | |
| Bis(2-chloroisopropyl) ether | | <8 | | <8 | | | | | |
| Bis(2-ethylhexyl) phthalate | | <6 | | <6 | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | <8 | | <8 | | | | | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Calcium, total | | | 232 | | | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | | <.1 | | <.1 | | | | | |
| Chloride | | | 114 | | | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | | <8 | | <8 | | | | | |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | | <1 | | <1 | | | | | |
| Chromium, total | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Chrysene | | <8 | | <8 | | | | | |
| Cis-1,2-dichloroethylene | 17.1 | 10.3 | 21.0 | 15.7 | 14.1 | 10.0 | 12.2 | 9.2 | 10.8 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | 41.9 | 47.3 | 40.7 | 79.3 | 54.2 | 82.1 | 28.6 | 72.7 | 23.4 |
| Copper, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Cyanide, total | | <.005 | | <.005 | | | | | |
| Delta-bhc | | <.05 | | <.05 | | | | | |
| Diallate | | <8 | | <8 | | | | | |
| Dibenzo(a,h)anthracene | | <8 | | <8 | | | | | |
| Dibenzofuran | | <8 | | <8 | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | <1 | | <1 | | | | | |
| Dieldrin | | <.05 | | <.05 | | | | | |
| Diethyl phthalate | | <8 | | <8 | | | | | |
| Dimethoate | | <.4 | | <.4 | | | | | |
| Dimethylphthalate | | <8 | | <8 | | | | | |
| Di-n-butyl phthalate | | <8 | | <8 | | | | | |
| Di-n-octyl phthalate | | <8 | | <8 | | | | | |
| Dinoseb | | <.5 | | <.5 | | | | | |
| Diphenylamine | | <8 | | <8 | | | | | |
| Disulfoton | | <.4 | | <.4 | | | | | |
| Endosulfan i | | <.05 | | <.05 | | | | | |
| Endosulfan ii | | <.05 | | <.05 | | | | | |
| Endosulfan sulfate | | <.05 | | <.05 | | | | | |
| Endrin | | <.05 | | <.05 | | | | | |
| Endrin aldehyde | | <.05 | | <.05 | | | | | |
| Ethyl methacrylate | | <10 | | <10 | | | | | |
| Ethyl methanesulfonate | | <8 | | <8 | | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | | <.4 | | <.4 | | | | | |
| Fluoranthene | | <8 | | <8 | | | | | |

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

## Table 9

## Analytical Data Summary for MW-28

| Constituents | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|
| Anthracene | | |
| Antimony, total | <2 | <1 |
| Arochlor 1016 | | |
| Arochlor 1221 | | |
| Arochlor 1232 | | |
| Arochlor 1242 | | |
| Arochlor 1248 | | |
| Arochlor 1254 | | |
| Arochlor 1260 | | |
| Arsenic, total | 64.8 | 5.0 |
| Azobenzene | | |
| Barium, total | 1340 | 688 |
| Benzene | <1 | <1 |
| Benzo(a)anthracene | | |
| Benzo(a)pyrene | | |
| Benzo(b)fluoranthene | | |
| Benzo(g,h,i)perylene | | |
| Benzo(k)fluoranthene | | |
| Benzyl alcohol | | |
| Beryllium, total | <4.0 | <.5 |
| Beta-bhc | | |
| Bicarbonate, as caco3 | | |
| Bis (2-chloroethoxy) methane | | |
| Bis(2-chloroethyl) ether | | |
| Bis(2-chloroisopropyl) ether | | |
| Bis(2-ethylhexyl) phthalate | | |
| Bromochloromethane | <1 | <1 |
| Bromodichloromethane | <1 | <1 |
| Bromoform | <1 | <1 |
| Bromomethane | <1 | <1 |
| Butyl benzyl phthalate | | |
| Cadmium, total | <.8 | <.2 |
| Calcium, total | | |
| Carbon disulfide | <1 | <1 |
| Carbon tetrachloride | <1 | <1 |
| Chlordane | | |
| Chloride | | |
| Chlorobenzene | <1 | <1 |
| Chlorobenzilate | | |
| Chloroethane | <1 | <1 |
| Chloroform | <1 | <1 |
| Chloromethane | <1 | <1 |
| Chloroprene | | |
| Chromium, total | <8 | <1 |
| Chrysene | | |
| Cis-1,2-dichloroethylene | 4.9 | 3.4 |
| Cis-1,3-dichloropropene | <1 | <1 |
| Cobalt, total | 59.0 | 17.2 |
| Copper, total | <4 | <5 |
| Cyanide, total | | |
| Delta-bhc | | |
| Diallate | | |
| Dibenzo(a,h)anthracene | | |
| Dibenzofuran | | |
| Dibromochloromethane | <1 | <1 |
| Dibromomethane | <1 | <1 |
| Dichlorodifluoromethane | | |
| Dieldrin | | |
| Diethyl phthalate | | |
| Dimethoate | | |
| Dimethylphthalate | | |
| Di-n-butyl phthalate | | |
| Di-n-octyl phthalate | | |
| Dinoseb | | |
| Diphenylamine | | |
| Disulfoton | | |
| Endosulfan i | | |
| Endosulfan ii | | |
| Endosulfan sulfate | | |
| Endrin | | |
| Endrin aldehyde | | |
| Ethyl methacrylate | | |
| Ethyl methanesulfonate | | |
| Ethylbenzene | <1 | <1 |
| Famphur | | |
| Fluoranthene | | |

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

## Table 9

## Analytical Data Summary for MW-28

| Constituents | Units | 9/23/2014 9/24/2014 | 12/2/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 12/10/2015 | 2/11/2016 | 3/3/2016 3/4/2016 | 5/10/2016 |
|---|---|---|---|---|---|---|---|---|---|
| Fluorene | ug/L | | | | | | | | |
| Gamma-bhc (lindane) | ug/L | | | | | | | | |
| Heptachlor | ug/L | | | | | | | | |
| Heptachlor epoxide | ug/L | | | | | | | | |
| Hexachlorobenzene | ug/L | | | | | | | | |
| Hexachlorobutadiene | ug/L | | | | | | | | |
| Hexachlorocyclopentadiene | ug/L | | | | | | | | |
| Hexachloroethane | ug/L | | | | | | | | |
| Hexachloropropene | ug/L | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/L | | | | | | | | |
| Isobutanol | mg/L | | | | | | | | |
| Isodrin | ug/L | | | | | | | | |
| Isophorone | ug/L | | | | | | | | |
| Isosafrole | ug/L | | | | | | | | |
| Kepone | ug/L | | | | | | | | |
| Lead, total | ug/L | | | | | | | | |
| Magnesium, total | mg/L | | | | | | | | |
| 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 | | | | | | | | |
| Nickel, total | ug/L | | | | | | | | |
| Nitrobenzene | ug/L | | | | | | | | |
| N-nitrosodiethylamine | ug/L | | | | | | | | |
| N-nitrosodimethylamine | ug/L | | | | | | | | |
| N-nitrosodi-n-butylamine | ug/L | | | | | | | | |
| N-nitroso-di-n-propylamine | ug/L | | | | | | | | |
| N-nitrosodiphenylamine | ug/L | | | | | | | | |
| N-nitrosomethylethylamine | ug/L | | | | | | | | |
| N-nitrosopiperidine | ug/L | | | | | | | | |
| N-nitrosopyrrolidine | ug/L | | | | | | | | |
| O,o,o-triethyl phosphorothioate | ug/L | | | | | | | | |
| O-toluidine | ug/L | | | | | | | | |
| Parathion | ug/L | | | | | | | | |
| P-dimethylaminoazobenzene | ug/L | | | | | | | | |
| Pentachlorobenzene | ug/L | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | | | | | |
| Pentachlorophenol | ug/L | | | | | | | | |
| Phenacetin | ug/L | | | | | | | | |
| Phenanthrene | ug/L | | | | | | | | |
| Phenol | ug/L | | | | | | | | |
| Phorate | ug/L | | | | | | | | |
| Potassium, total | mg/L | | | | | | | | |
| Pronamide | ug/L | | | | | | | | |
| Propionitrile | ug/L | | | | | | | | |
| Pyrene | ug/L | | | | | | | | |
| Safrole | ug/L | | | | | | | | |
| Selenium, total | ug/L | | | | | | | | |
| Silver, total | ug/L | | | | | | | | |
| Sodium, total | mg/L | | | | | | | | |
| Solids, total dissolved | mg/L | | | | | | | | |
| Solids, total suspended | mg/L | | | 127 | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Sulfate | mg/L | | | | | | | | |
| Sulfide, total | mg/L | | | | | | | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Thallium, total | ug/L | | | | | | | | |
| Thionazin | ug/L | | | | | | | | |
| Tin, total | ug/L | | | | | | | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toxaphene | ug/L | | | | | | | | |
| Trans-1,2-dichloroethylene | ug/L | <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 | |
| 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 | | | | | | | | |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Vinyl chloride | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.4 | <1.0 |
| Xylenes, total | 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-28

| Constituents | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 | 7/17/2019 | 9/16/2019 | 3/23/2020 3/24/2020 |
|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Magnesium, total | | | | | | | | | |
| Mercury, total | | | | | | | | | |
| Methacrylonitrile | | | | | | | | | |
| Methapyrilene | | | | | | | | | |
| Methoxychlor | | | | | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Methyl methacrylate | | | | | | | | | |
| Methyl methanesulfonate | | | | | | | | | |
| Methyl parathion | | | | | | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| Naphthalene | | | | | | | | | |
| Nickel, total | | | | | | | | | 20.2 |
| Nitrobenzene | | | | | | | | | |
| N-nitrosodiethylamine | | | | | | | | | |
| N-nitrosodimethylamine | | | | | | | | | |
| N-nitrosodi-n-butylamine | | | | | | | | | |
| N-nitroso-di-n-propylamine | | | | | | | | | |
| N-nitrosodiphenylamine | | | | | | | | | |
| N-nitrosomethylethylamine | | | | | | | | | |
| N-nitrosopiperidine | | | | | | | | | |
| N-nitrosopyrrolidine | | | | | | | | | |
| O,o,o-triethyl phosphorothioate | | | | | | | | | |
| O-toluidine | | | | | | | | | |
| Parathion | | | | | | | | | |
| P-dimethylaminoazobenzene | | | | | | | | | |
| Pentachlorobenzene | | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | | | | | | | | | |
| Pentachlorophenol | | | | | | | | | |
| Phenacetin | | | | | | | | | |
| Phenanthrene | | | | | | | | | |
| Phenol | | | | | | | | | |
| Phorate | | | | | | | | | |
| Potassium, total | | | | | | | | | |
| Pronamide | | | | | | | | | |
| Propionitrile | | | | | | | | | |
| Pyrene | | | | | | | | | |
| Safrole | | | | | | | | | |
| Selenium, total | | | | | | | <4 | <4 | <4 |
| Silver, total | | | | | | | | | <4 |
| Sodium, total | | | | | | | | | |
| 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 | | | | | | | | | <2.0 |
| Thionazin | | | | | | | | | |
| Tin, total | | | | | | | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Toxaphene | | | | | | | | | |
| Trans-1,2-dichloroethylene | <1.0 | <1.0 | <1.0 | 20.2 | <1.0 | <1.0 | | <1.0 | <1.0 |
| 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 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| Vinyl chloride | <1.0 | 1.8 | 1.1 | 2.0 | <1.0 | 1.4 | | <1.0 | <1.0 |
| Xylenes, total | <2 | <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-28

| Constituents | 9/2/2020 | 3/8/2021 | 10/15/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 |
|---|---|---|---|---|---|---|---|---|---|
| Fluorene | | <8 | | <8 | | | | | |
| Gamma-bhc (lindane) | | <.05 | | <.05 | | | | | |
| Heptachlor | | <.05 | | <.05 | | | | | |
| Heptachlor epoxide | | <.05 | | <.05 | | | | | |
| Hexachlorobenzene | | <.05 | | <.05 | | | | | |
| Hexachlorobutadiene | | <8 | | <8 | | | | | |
| Hexachlorocyclopentadiene | | <8 | | <8 | | | | | |
| Hexachloroethane | | <8 | | <8 | | | | | |
| Hexachloropropene | | <8 | | <8 | | | | | |
| Indeno(1,2,3-cd)pyrene | | <8 | | <8 | | | | | |
| Isobutanol | | <1 | | <1 | | | | | |
| Isodrin | | <8 | | <8 | | | | | |
| Isophorone | | <8 | | <8 | | | | | |
| Isosafrole | | <8 | | <8 | | | | | |
| Kepone | | <8 | | <8 | | | | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Magnesium, total | | | 39.9 | | | | | | |
| Mercury, total | | <.5 | | <.5 | | | | | |
| Methacrylonitrile | | <1 | | <1 | | | | | |
| Methapyrilene | | <8 | | <8 | | | | | |
| Methoxychlor | | <.05 | | <.05 | | | | | |
| Methyl iodide | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | | <1 | | <1 | | | | | |
| Methyl methanesulfonate | | <8 | | <8 | | | | | |
| Methyl parathion | | <.4 | | <.4 | | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <8 | | <8 | | | | | |
| Nickel, total | 21.5 | 23.7 | 18.8 | 29.0 | 22.0 | 29.8 | 19.1 | 26.9 | 15.2 |
| Nitrobenzene | | <8 | | <8 | | | | | |
| N-nitrosodiethylamine | | <8 | | <8 | | | | | |
| N-nitrosodimethylamine | | <8 | | <8 | | | | | |
| N-nitrosodi-n-butylamine | | <8 | | <8 | | | | | |
| N-nitroso-di-n-propylamine | | <8 | | <8 | | | | | |
| N-nitrosodiphenylamine | | <8 | | <8 | | | | | |
| N-nitrosomethylethylamine | | <8 | | <8 | | | | | |
| N-nitrosopiperidine | | <8 | | <8 | | | | | |
| N-nitrosopyrrolidine | | <8 | | <8 | | | | | |
| O,o,o-triethyl phosphorothioate | | <.4 | | <.4 | | | | | |
| O-toluidine | | <8 | | <8 | | | | | |
| Parathion | | <.4 | | <.4 | | | | | |
| P-dimethylaminoazobenzene | | <8 | | <8 | | | | | |
| Pentachlorobenzene | | <8 | | <8 | | | | | |
| Pentachloronitrobenzene (pcnb) | | <8 | | <8 | | | | | |
| Pentachlorophenol | | <8 | | <8 | | | | | |
| Phenacetin | | <8 | | <8 | | | | | |
| Phenanthrene | | <8 | | <8 | | | | | |
| Phenol | | <8 | | <8 | | | | | |
| Phorate | | <.4 | | <.4 | | | | | |
| Potassium, total | | | 1.5 | | | | | | |
| Pronamide | | <8 | | <8 | | | | | |
| Propionitrile | | <10 | | <10 | | | | | |
| Pyrene | | <8 | | <8 | | | | | |
| Safrole | | <8 | | <8 | | | | | |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Sodium, total | | | 35.9 | | | | | | |
| Solids, total dissolved | | | 792 | | | | | | |
| Solids, total suspended | | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | | | 18.2 | | | | | | |
| Sulfide, total | | <.1 | | <.2 | | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Thionazin | | <.4 | | <.4 | | | | | |
| Tin, total | | <20 | | <20 | | | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | | <.2 | | <.2 | | | | | |
| Trans-1,2-dichloroethylene | 1.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 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 | 1.5 | <1.0 | 1.6 | 1.5 | <1.0 | 1.2 | <1.0 | <1.0 | 1.3 |
| Xylenes, total | <2 | <2 | <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-28

| Constituents | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|
| 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 | <1 |
| Magnesium, total | | |
| Mercury, total | | |
| Methacrylonitrile | | |
| Methapyrilene | | |
| Methoxychlor | | |
| Methyl iodide | <1 | <1 |
| Methyl methacrylate | | |
| Methyl methanesulfonate | | |
| Methyl parathion | | |
| Methylene chloride | <5 | <5 |
| Naphthalene | | |
| Nickel, total | 24.0 | 11.1 |
| Nitrobenzene | | |
| N-nitrosodiethylamine | | |
| N-nitrosodimethylamine | | |
| N-nitrosodi-n-butylamine | | |
| N-nitroso-di-n-propylamine | | |
| N-nitrosodiphenylamine | | |
| N-nitrosomethylethylamine | | |
| N-nitrosopiperidine | | |
| N-nitrosopyrrolidine | | |
| O,o,o-triethyl phosphorothioate | | |
| O-toluidine | | |
| Parathion | | |
| P-dimethylaminoazobenzene | | |
| Pentachlorobenzene | | |
| Pentachloronitrobenzene (pcnb) | | |
| Pentachlorophenol | | |
| Phenacetin | | |
| Phenanthrene | | |
| Phenol | | |
| Phorate | | |
| Potassium, total | | |
| Pronamide | | |
| Propionitrile | | |
| Pyrene | | |
| Safrole | | |
| Selenium, total | <4 | <2 |
| Silver, total | <4 | <5 |
| Sodium, total | | |
| Solids, total dissolved | | |
| Solids, total suspended | | |
| Styrene | <1 | <1 |
| Sulfate | | |
| Sulfide, total | | |
| Tetrachloroethylene | <1 | <1 |
| Thallium, total | <2.0 | <.5 |
| Thionazin | | |
| Tin, total | | |
| Toluene | <1 | <1 |
| Toxaphene | | |
| Trans-1,2-dichloroethylene | <1.0 | <1.0 |
| Trans-1,3-dichloropropene | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 |
| Trichloroethylene | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 |
| Vanadium, total | <20 | <2 |
| Vinyl acetate | <5 | <5 |
| Vinyl chloride | <1.0 | <1.0 |
| Xylenes, total | <2 | <2 |

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

## Table 9

## Analytical Data Summary for MW-28

| Constituents | Units | 9/23/2014<br>9/24/2014 | 12/2/2014 | 3/18/2015<br>3/19/2015 | 8/27/2015<br>9/2/2015 | 12/10/2015 | 2/11/2016 | 3/3/2016<br>3/4/2016 | 5/10/2016 |
|---|---|---|---|---|---|---|---|---|---|
| Zinc, total | ug/L | | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-28

| Constituents | 9/20/2016<br>9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018<br>3/13/2018 | 9/10/2018 | 3/26/2019 | 7/17/2019 | 9/16/2019 | 3/23/2020<br>3/24/2020 |
|---|---|---|---|---|---|---|---|---|---|
| Zinc, total | | | | | | | | | <20.0 |

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

## Table 9

## Analytical Data Summary for MW-28

| Constituents | 9/2/2020 | 3/8/2021 | 10/15/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 |
|---|---|---|---|---|---|---|---|---|---|
| Zinc, total | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |

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

## Table 9

## Analytical Data Summary for MW-28

| Constituents | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|
| Zinc, total | <20.0 | 8.2 |

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

## Table 9

## Analytical Data Summary for MW-31

| Constituents | Units | 9/23/2014 9/24/2014 | 3/18/2015 3/19/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | 4.8 | 5.4 | 5.5 | 5.2 | 6.2 | 6.1 | 6.3 | 3.8 | 6.0 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 15.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | | <2 | | | | | | | |
| Arsenic, total | ug/L | | 24.7 | | | | | | | |
| Barium, total | ug/L | | 2020 | | | | | | | |
| Benzene | ug/L | 3.9 | 5.2 | 4.0 | 3.3 | 5.0 | 4.0 | 5.0 | 2.1 | 1.5 |
| Beryllium, total | ug/L | | <4 | | | | | | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | | <.8 | | | | | | | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | 7.1 | 7.9 | 7.6 | 7.0 | 8.4 | 8.6 | 8.6 | 6.2 | 5.9 |
| Chloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | <1.0 | <1.0 | <1.0 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | | <8 | | | | | | | |
| Cis-1,2-dichloroethylene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.5 | <1.0 | 4.1 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | | 1.7 | | | | | | | |
| Copper, total | ug/L | | <4 | | | | | | | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | ug/L | | <4 | | | | | | | |
| 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 | | 27 | | | | | | | |
| Selenium, total | ug/L | | <4 | | | | | | | |
| Silver, total | ug/L | | <4 | | | | | | | |
| Solids, total suspended | mg/L | | 144 | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | | <4 | | | | | | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | | <20 | | | | | | | |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.6 | 2.2 | <1.0 | 2.1 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | 3 | <2 | <2 | <2 | 2 |
| Zinc, total | ug/L | | <8 | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-31

| Constituents | 9/16/2019 | 9/2/2020 | 3/8/2021 | 3/28/2022 | 3/23/2023 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <1 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | 5.0 | 4.8 | 4.6 | 4.8 | 3.5 | 1.0 | <1.0 |
| 2-butanone (mek) | <5 | <5 | <5 | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 40.5 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | | | | | | | |
| Arsenic, total | | | | | | | |
| Barium, total | | | | | | | |
| Benzene | 1.5 | 1.3 | 1.2 | 1.4 | 1.4 | <1.0 | <1.0 |
| Beryllium, total | | | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | | | | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 4.5 | 2.7 | 3.0 | 2.9 | 1.9 | <1.0 | <1.0 |
| Chloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | | | | | | | |
| Cis-1,2-dichloroethylene | 2.3 | <1.0 | 1.7 | <1.0 | <1.0 | <1.0 | <1.0 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | 2.5 | | | | | | |
| Copper, total | | | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | | | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | | | | | | | |
| Selenium, total | | | | | | | |
| Silver, total | | | | | | | |
| Solids, total suspended | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | | | | | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | | | | | | | |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | 1.0 | <1.0 | 1.9 | <1.0 | <1.0 | <1.0 | <1.0 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-32

| Constituents | Units | 9/23/2014 9/24/2014 | 3/18/2015 3/19/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | | 22 | | | | | | | |
| Arsenic, total | ug/L | | 23.9 | | | | | | | |
| Barium, total | ug/L | | 284 | | | | | | | |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | ug/L | | <4 | | | | | | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | | 2 | | | | | | | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1.0 | <1.0 | 1.8 | 1.6 | 2.7 | 2.7 | 3.9 | 1.7 | 1.1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | <1.0 | <1.0 | <1.0 |
| Chromium, total | ug/L | | <8 | | | | | | | |
| Cis-1,2-dichloroethylene | ug/L | 2.2 | 2.8 | 2.4 | 1.9 | 2.4 | 1.0 | <1.0 | <1.0 | 1.6 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | | 26.0 | | | | | | | |
| Copper, total | ug/L | | <4 | | | | | | | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | ug/L | | <4 | | | | | | | |
| 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 | | 136 | | | | | | | |
| Selenium, total | ug/L | | <4 | | | | | | | |
| Silver, total | ug/L | | <4 | | | | | | | |
| Solids, total suspended | mg/L | | 2 | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | | <4 | | | | | | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | | <20 | | | | | | | |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | 2.1 | 2.2 | 1.8 | <1.0 | 1.2 | <1.0 | <1.0 | <1.0 | <1.0 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | | 13.4 | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-32

| Constituents | 9/16/2019 | 3/23/2020<br>3/24/2020 | 9/2/2020 | 3/8/2021 | 3/28/2022 | 12/1/2022 | 3/23/2023 | 7/12/2023 | 3/6/2024 |
|---|---|---|---|---|---|---|---|---|---|
| 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 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2-dibromo-3-chloropropane | <1 | <5 | <5 | <5 | <5 | | <5 | | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <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 | | | | | | | | | |
| Arsenic, total | | | | | | <4.0 | | <4.0 | <4.0 |
| Barium, total | | | | | | | | | |
| Benzene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Beryllium, total | | | | | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Cadmium, total | | | | | | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Chlorobenzene | 3.0 | 2.8 | 2.0 | 1.2 | 2.5 | | <1.0 | | 2.2 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Chloromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | | <1.0 |
| Chromium, total | | | | | | | | | |
| Cis-1,2-dichloroethylene | 2.9 | 1.5 | <1.0 | <1.0 | 1.0 | | <1.0 | | <1.0 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Cobalt, total | 20.3 | 22.6 | | | | | | | |
| Copper, total | | | | | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Lead, total | | | | | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | | <5 | | <5 |
| Nickel, total | | | | | | | | | |
| Selenium, total | | | | | | | | | |
| Silver, total | | | | | | | | | |
| Solids, total suspended | | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Thallium, total | | | | | | | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | | <5 | | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Vanadium, total | | | | | | | | | |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | | <5 | | <5 |
| Vinyl chloride | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | | <1.0 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | | <2 | | <2 |
| Zinc, total | | | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-32

| Constituents | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 |
| 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 |
| 1,4-dichlorobenzene | <1 | <1 |
| 2-butanone (mek) | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 |
| Acetone | <10 | <10 |
| Acrylonitrile | <5 | <5 |
| Antimony, total | | |
| Arsenic, total | <4.0 | <2.0 |
| Barium, total | | |
| Benzene | <1 | <1 |
| Beryllium, total | | |
| Bromochloromethane | <1 | <1 |
| Bromodichloromethane | <1 | <1 |
| Bromoform | <1 | <1 |
| Bromomethane | <1 | <1 |
| Cadmium, total | | |
| Carbon disulfide | <1 | <1 |
| Carbon tetrachloride | <1 | <1 |
| Chlorobenzene | 1.4 | 1.1 |
| Chloroethane | <1 | <1 |
| Chloroform | <1 | <1 |
| Chloromethane | <1.0 | <1.0 |
| Chromium, total | | |
| Cis-1,2-dichloroethylene | <1.0 | <1.0 |
| Cis-1,3-dichloropropene | <1 | <1 |
| Cobalt, total | | 11.2 |
| Copper, total | | |
| Dibromochloromethane | <1 | <1 |
| Dibromomethane | <1 | <1 |
| Ethylbenzene | <1 | <1 |
| Lead, total | | |
| Methyl iodide | <1 | <1 |
| Methylene chloride | <5 | <5 |
| Nickel, total | | |
| Selenium, total | | |
| Silver, total | | |
| Solids, total suspended | | |
| Styrene | <1 | <1 |
| Tetrachloroethylene | <1 | <1 |
| Thallium, total | | |
| Toluene | <1 | <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 | | |
| Vinyl acetate | <5 | <5 |
| Vinyl chloride | <1.0 | <1.0 |
| Xylenes, total | <2 | <2 |
| Zinc, total | | |

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

## Table 9

### Analytical Data Summary for MW-34A

| Constituents | Units | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <5 | <5 |
| 1,2-dibromoethane | ug/L | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 |
| 2-butanone (mek) | ug/L | <10 | <10 |
| 2-hexanone (mbk) | ug/L | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 |
| Acetone | ug/L | <10 | <10 |
| Acrylonitrile | ug/L | <5 | <5 |
| Antimony, total | ug/L | <2.0 | 1.1 |
| Arsenic, total | ug/L | 13.8 | 4.7 |
| Barium, total | ug/L | 41.9 | 299.0 |
| Benzene | ug/L | <1 | <1 |
| Beryllium, total | ug/L | <4.0 | <.5 |
| Bromochloromethane | ug/L | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 |
| Bromoform | ug/L | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 |
| Cadmium, total | ug/L | <.8 | <.2 |
| Carbon disulfide | ug/L | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 |
| Chloroform | ug/L | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 |
| Chromium, total | ug/L | <8.0 | 1.1 |
| Cis-1,2-dichloroethylene | ug/L | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 |
| Cobalt, total | ug/L | 4.0 | <.5 |
| Copper, total | ug/L | <4 | <5 |
| Dibromochloromethane | ug/L | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 |
| Lead, total | ug/L | <4 | <1 |
| Methyl iodide | ug/L | <1 | <1 |
| Methylene chloride | ug/L | <5 | <5 |
| Nickel, total | ug/L | 10.9 | 5.0 |
| Selenium, total | ug/L | <4 | <2 |
| Silver, total | ug/L | <4 | <5 |
| Styrene | ug/L | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 |
| Thallium, total | ug/L | <2.0 | <.5 |
| Toluene | ug/L | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 |
| Vanadium, total | ug/L | <20 | <2 |
| Vinyl acetate | ug/L | <5 | <5 |
| Vinyl chloride | ug/L | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 |
| Zinc, total | ug/L | <20.0 | 7.3 |

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

## Table 9

## Analytical Data Summary for MW-41D

| Constituents | Units | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | 2.6 | 2.8 | 3.1 | <2.0 | <2.0 | <2.0 |
| Arsenic, total | ug/L | <4.0 | 5.2 | 4.7 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Barium, total | ug/L | 38.4 | 34.4 | 30.5 | 33.7 | 31.3 | 32.2 | 30.3 | 32.6 | 33.7 | 32.7 |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Cobalt, total | ug/L | 5.1 | 3.9 | 2.6 | 2.5 | 5.4 | 1.2 | .9 | 1.0 | 1.0 | 1.3 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Nickel, total | ug/L | 11.8 | 6.7 | 6.6 | 6.7 | 10.3 | 8.5 | 7.5 | 4.3 | 5.2 | <4.0 |
| Selenium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Thallium, total | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Zinc, total | ug/L | <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-41D

| Constituents | 9/4/2025 |
|---|---|
| Antimony, total | <1.0 |
| Arsenic, total | <2.0 |
| Barium, total | 35.0 |
| Beryllium, total | <.5 |
| Cadmium, total | <.2 |
| Chromium, total | <1 |
| Cobalt, total | 1.0 |
| Copper, total | <5 |
| Lead, total | <1 |
| Nickel, total | <5.0 |
| Selenium, total | <2 |
| Silver, total | <5 |
| Thallium, total | <.5 |
| Vanadium, total | <2 |
| Zinc, total | 15.3 |

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

## Table 9

## Analytical Data Summary for MW-42D

| Constituents | Units | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | |
| Antimony, total | ug/L | 10.9 | 8.9 | 9.4 | 7.4 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Arsenic, total | ug/L | <4.0 | <4.0 | 4.3 | 5.0 | 5.7 | <4.0 | 4.3 | 4.2 | <4.0 |
| Barium, total | ug/L | 58.3 | 53.5 | 55.5 | 52.3 | 44.7 | 40.1 | 36.6 | 37.0 | 30.6 |
| Benzene | ug/L | | | | | | | <1 | | |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Bromochloromethane | ug/L | | | | | | | <1 | | |
| Bromodichloromethane | ug/L | | | | | | | <1 | | |
| Bromoform | ug/L | | | | | | | <1 | | |
| Bromomethane | ug/L | | | | | | | <1 | | |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.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 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | ug/L | | | | | | | <1 | | |
| Cis-1,3-dichloropropene | ug/L | | | | | | | <1 | | |
| Cobalt, total | ug/L | <.4 | <.4 | <.4 | .5 | 3.4 | <.4 | <.4 | <.4 | <.4 |
| Copper, total | ug/L | 6.5 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | ug/L | | | | | | | <1 | | |
| Dibromomethane | ug/L | | | | | | | <1 | | |
| Ethylbenzene | ug/L | | | | | | | <1 | | |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | ug/L | | | | | | | <1 | | |
| Methylene chloride | ug/L | | | | | | | <5 | | |
| Nickel, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Selenium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Styrene | ug/L | | | | | | | <1 | | |
| Tetrachloroethylene | ug/L | | | | | | | <1 | | |
| Thallium, total | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| 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 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | | | | | | | <5 | | |
| Vinyl chloride | ug/L | | | | | | | <1 | | |
| Xylenes, total | ug/L | | | | | | | <2 | | |
| Zinc, total | ug/L | 34.5 | <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-42D

| Constituents | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|
| 1,1,1,2-tetrachloroethane | | |
| 1,1,1-trichloroethane | | |
| 1,1,2,2-tetrachloroethane | | |
| 1,1,2-trichloroethane | | |
| 1,1-dichloroethane | | |
| 1,1-dichloroethylene | | |
| 1,2,3-trichloropropane | | |
| 1,2-dibromo-3-chloropropane | | |
| 1,2-dibromoethane | | |
| 1,2-dichlorobenzene | | |
| 1,2-dichloroethane | | |
| 1,2-dichloropropane | | |
| 1,4-dichlorobenzene | | |
| 2-butanone (mek) | | |
| 2-hexanone (mbk) | | |
| 4-methyl-2-pentanone (mibk) | | |
| Acetone | | |
| Acrylonitrile | | |
| Antimony, total | <2.0 | <1.0 |
| Arsenic, total | <4.0 | <2.0 |
| Barium, total | 29.9 | 33.3 |
| Benzene | | |
| Beryllium, total | <4.0 | <.5 |
| Bromochloromethane | | |
| Bromodichloromethane | | |
| Bromoform | | |
| Bromomethane | | |
| Cadmium, total | <.8 | <.2 |
| Carbon disulfide | | |
| Carbon tetrachloride | | |
| Chlorobenzene | | |
| Chloroethane | | |
| Chloroform | | |
| Chloromethane | | |
| Chromium, total | <8 | 1 |
| Cis-1,2-dichloroethylene | | |
| Cis-1,3-dichloropropene | | |
| Cobalt, total | <.4 | <.5 |
| Copper, total | <4.0 | <5.0 |
| Dibromochloromethane | | |
| Dibromomethane | | |
| Ethylbenzene | | |
| Lead, total | <4 | <1 |
| Methyl iodide | | |
| Methylene chloride | | |
| Nickel, total | <4 | <5 |
| Selenium, total | <4 | <2 |
| Silver, total | <4 | <5 |
| Styrene | | |
| Tetrachloroethylene | | |
| Thallium, total | <2.0 | <.5 |
| Toluene | | |
| Trans-1,2-dichloroethylene | | |
| Trans-1,3-dichloropropene | | |
| Trans-1,4-dichloro-2-butene | | |
| Trichloroethylene | | |
| Trichlorofluoromethane | | |
| Vanadium, total | <20 | <2 |
| Vinyl acetate | | |
| Vinyl chloride | | |
| Xylenes, total | | |
| Zinc, total | <20.0 | <5.0 |

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

## Table 9

## Analytical Data Summary for MW-44

| Constituents | Units | 7/12/2023 | 9/5/2023 | 11/28/2023<br>12/5/2023 | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|---|
| (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 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | ug/L | | | | <1 | | <1 | |
| 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 | <5 | | <1 | <5 | <1 | <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 | <1 | | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | ug/L | | | | <8 | | <8 | |
| 1,3,5-trinitrobenzene | ug/L | | | | <8 | | <8 | |
| 1,3-dichlorobenzene | ug/L | | | | <1 | | <1 | |
| 1,3-dichloropropane | ug/L | | | | <1 | | <1 | |
| 1,3-dinitrobenzene | ug/L | | | | <8 | | <8 | |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | ug/L | | | | <8 | | <8 | |
| 1,4-phenylenediamine | ug/L | | | | <8 | | <8 | |
| 1-naphthylamine | ug/L | | | | <8 | | <8 | |
| 2,2-dichloropropane | ug/L | | | | <1 | | <1 | |
| 2,3,4,6-tetrachlorophenol | ug/L | | | | <8 | | <8 | |
| 2,4,5-t | ug/L | | | | <.5 | | <.5 | |
| 2,4,5-tp (silvex) | ug/L | | | | <.5 | | <.5 | |
| 2,4,5-trichlorophenol | ug/L | | | | <8 | | <8 | |
| 2,4,6-trichlorophenol | ug/L | | | | <8 | | <8 | |
| 2,4-d | ug/L | | | | <2 | | <2 | |
| 2,4-dichlorophenol | ug/L | | | | <8 | | <8 | |
| 2,4-dimethylphenol | ug/L | | | | <8 | | <8 | |
| 2,4-dinitrophenol | ug/L | | | | <8 | | <8 | |
| 2,4-dinitrotoluene | ug/L | | | | <8 | | <8 | |
| 2,6-dichlorophenol | ug/L | | | | <8 | | <8 | |
| 2,6-dinitrotoluene | ug/L | | | | <8 | | <8 | |
| 2-acetylaminofluorene | ug/L | | | | <8 | | <8 | |
| 2-butanone (mek) | ug/L | <10 | <10 | | <5 | <10 | <5 | <10 |
| 2-chloronaphthalene | ug/L | | | | <8 | | <8 | |
| 2-chlorophenol | ug/L | | | | <8 | | <8 | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | ug/L | | | | <8 | | <8 | |
| 2-methylphenol | ug/L | | | | <8 | | <8 | |
| 2-naphthylamine | ug/L | | | | <8 | | <8 | |
| 2-nitroaniline | ug/L | | | | <8 | | <8 | |
| 2-nitrophenol | ug/L | | | | <8 | | <8 | |
| 3,3´-dichlorobenzidine | ug/L | | | | <8 | | <8 | |
| 3,3'-dimethylbenzidine | ug/L | | | | <8 | | <8 | |
| 3-methylcholanthrene | ug/L | | | | <8 | | <8 | |
| 3-nitroaniline | ug/L | | | | <8 | | <8 | |
| 4,4´-ddd | ug/L | | | | <.05 | | <.05 | |
| 4,4´-dde | ug/L | | | | <.05 | | <.05 | |
| 4,4´-ddt | ug/L | | | | <.05 | | <.05 | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | <8 | | <8 | |
| 4-aminobiphenyl | ug/L | | | | <8 | | <8 | |
| 4-bromophenyl phenyl ether | ug/L | | | | <8 | | <8 | |
| 4-chloro-3-methylphenol | ug/L | | | | <8 | | <8 | |
| 4-chloroaniline | ug/L | | | | <8 | | <8 | |
| 4-chlorophenyl phenyl ether | ug/L | | | | <8 | | <8 | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | | <5 | <5 | <5 | <5 |
| 4-nitroaniline | ug/L | | | | <8 | | <8 | |
| 4-nitrophenol | ug/L | | | | <8 | | <8 | |
| 5-nitro-o-toluidine | ug/L | | | | <8 | | <8 | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | <8 | | <8 | |
| Acenaphthene | ug/L | | | | <8 | | <8 | |
| Acenaphthylene | ug/L | | | | <8 | | <8 | |
| Acetone | ug/L | 11.1 | <10.0 | | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonitrile | ug/L | | | | <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 | | <.05 | |
| Allyl chloride | ug/L | | | | <1 | | <1 | |
| Alpha-bhc | ug/L | | | | <.05 | | <.05 | |

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

## Table 9

## Analytical Data Summary for MW-44

| Constituents | Units | 7/12/2023 | 9/5/2023 | 11/28/2023<br>12/5/2023 | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|---|
| Anthracene | ug/L | | | | <8 | | <8 | |
| Antimony, total | ug/L | <2 | <2 | | <2 | <2 | <2 | <1 |
| Arochlor 1016 | ug/L | | | | <.2 | | <.2 | |
| Arochlor 1221 | ug/L | | | | <.2 | | <.2 | |
| Arochlor 1232 | ug/L | | | | <.2 | | <.2 | |
| Arochlor 1242 | ug/L | | | | <.2 | | <.2 | |
| Arochlor 1248 | ug/L | | | | <.2 | | <.2 | |
| Arochlor 1254 | ug/L | | | | <.2 | | <.2 | |
| Arochlor 1260 | ug/L | | | | <.2 | | <.2 | |
| Arsenic, total | ug/L | <4 | <4 | | <4 | <4 | <4 | <2 |
| Azobenzene | ug/L | | | | <8 | | <8 | |
| Barium, total | ug/L | 624 | 708 | 803 | 795 | 662 | 756 | 848 |
| Benzene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | ug/L | | | | <8 | | <8 | |
| Benzo(a)pyrene | ug/L | | | | <8 | | <8 | |
| Benzo(b)fluoranthene | ug/L | | | | <8 | | <8 | |
| Benzo(g,h,i)perylene | ug/L | | | | <8 | | <8 | |
| Benzo(k)fluoranthene | ug/L | | | | <8 | | <8 | |
| Benzyl alcohol | ug/L | | | | <8 | | <8 | |
| Beryllium, total | ug/L | <4.0 | <4.0 | | <4.0 | <4.0 | <4.0 | <.5 |
| Beta-bhc | ug/L | | | | <.05 | | <.05 | |
| Bis (2-chloroethoxy) methane | ug/L | | | | <8 | | <8 | |
| Bis(2-chloroethyl) ether | ug/L | | | | <8 | | <8 | |
| Bis(2-chloroisopropyl) ether | ug/L | | | | <8 | | <8 | |
| Bis(2-ethylhexyl) phthalate | ug/L | | | | 14 | 10 | 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 | ug/L | | | | <8 | | <8 | |
| Cadmium, total | ug/L | <.8 | <.8 | | <.8 | <.8 | <.8 | <.2 |
| Carbon disulfide | ug/L | <1 | <1 | | <1 | <1 | <1 | 1 |
| Carbon tetrachloride | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chlordane | ug/L | | | | <.1 | | <.1 | |
| 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 | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chloroprene | ug/L | | | | <1 | | <1 | |
| Chromium, total | ug/L | <8.0 | <8.0 | | <8.0 | <8.0 | <8.0 | 1.2 |
| Chrysene | ug/L | | | | <8 | | <8 | |
| Cis-1,2-dichloroethylene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | 1.0 | .6 | | .7 | .5 | .6 | .5 |
| Copper, total | ug/L | <4 | <4 | | <4 | <4 | <4 | <5 |
| Cyanide, total | mg/L | | | | <.005 | | <.010 | |
| Delta-bhc | ug/L | | | | <.05 | | <.05 | |
| Diallate | ug/L | | | | <8 | | <8 | |
| Dibenzo(a,h)anthracene | ug/L | | | | <8 | | <8 | |
| Dibenzofuran | ug/L | | | | <8 | | <8 | |
| Dibromochloromethane | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | | | | <1 | | <1 | |
| Dieldrin | ug/L | | | | <.05 | | <.05 | |
| Diethyl phthalate | ug/L | | | | <8 | | <8 | |
| Dimethoate | ug/L | | | | <.4 | | <.4 | |
| Dimethylphthalate | ug/L | | | | <8 | | <8 | |
| Di-n-butyl phthalate | ug/L | | | | <8 | | <8 | |
| Di-n-octyl phthalate | ug/L | | | | <8 | | <8 | |
| Dinoseb | ug/L | | | | <.5 | | <.5 | |
| Diphenylamine | ug/L | | | | <8 | | <8 | |
| Disulfoton | ug/L | | | | <.4 | | <.4 | |
| Endosulfan i | ug/L | | | | <.05 | | <.05 | |
| Endosulfan ii | ug/L | | | | <.05 | | <.05 | |
| Endosulfan sulfate | ug/L | | | | <.05 | | <.05 | |
| Endrin | ug/L | | | | <.05 | | <.05 | |
| Endrin aldehyde | ug/L | | | | <.05 | | <.05 | |
| Ethyl methacrylate | ug/L | | | | <10 | | <10 | |
| Ethyl methanesulfonate | ug/L | | | | <8 | | <8 | |
| Ethylbenzene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Famphur | ug/L | | | | <.4 | | <.4 | |
| Fluoranthene | ug/L | | | | <8 | | <8 | |
| Fluorene | ug/L | | | | <8 | | <8 | |
| Gamma-bhc (lindane) | ug/L | | | | <.05 | | <.05 | |
| Heptachlor | ug/L | | | | <.05 | | <.05 | |

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

## Table 9

## Analytical Data Summary for MW-44

| Constituents | Units | 7/12/2023 | 9/5/2023 | 11/28/2023 12/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | ug/L | | | | <.05 | | <.05 | |
| Hexachlorobenzene | ug/L | | | | <.05 | | <.05 | |
| Hexachlorobutadiene | ug/L | | | | <8 | | <8 | |
| Hexachlorocyclopentadiene | ug/L | | | | <8 | | <8 | |
| Hexachloroethane | ug/L | | | | <8 | | <8 | |
| Hexachloropropene | ug/L | | | | <8 | | <8 | |
| Indeno(1,2,3-cd)pyrene | ug/L | | | | <8 | | <8 | |
| Isobutanol | mg/L | | | | <1 | | <1 | |
| Isodrin | ug/L | | | | <8 | | <8 | |
| Isophorone | ug/L | | | | <8 | | <8 | |
| Isosafrole | ug/L | | | | <8 | | <8 | |
| Kepone | ug/L | | | | <8 | | <8 | |
| Lead, total | ug/L | <4 | <4 | | <4 | <4 | <4 | <1 |
| Mercury, total | ug/L | | | | <.5 | | <.5 | |
| Methacrylonitrile | ug/L | | | | <1 | | <1 | |
| Methapyrilene | ug/L | | | | <8 | | <8 | |
| Methoxychlor | ug/L | | | | <.05 | | <.05 | |
| Methyl iodide | ug/L | <1 | <1 | | <2 | <1 | <2 | <1 |
| Methyl methacrylate | ug/L | | | | <1 | | <1 | |
| Methyl methanesulfonate | ug/L | | | | <8 | | <8 | |
| Methyl parathion | ug/L | | | | <.4 | | <.4 | |
| Methylene chloride | ug/L | <5 | <5 | | <5 | <5 | <5 | <5 |
| Naphthalene | ug/L | | | | <8 | | <8 | |
| Nickel, total | ug/L | <4 | <4 | | <4 | <4 | <4 | <5 |
| Nitrobenzene | ug/L | | | | <8 | | <8 | |
| N-nitrosodiethylamine | ug/L | | | | <8 | | <8 | |
| N-nitrosodimethylamine | ug/L | | | | <8 | | <8 | |
| N-nitrosodi-n-butylamine | ug/L | | | | <8 | | <8 | |
| N-nitroso-di-n-propylamine | ug/L | | | | <8 | | <8 | |
| N-nitrosodiphenylamine | ug/L | | | | <8 | | <8 | |
| N-nitrosomethylethylamine | ug/L | | | | <8 | | <8 | |
| N-nitrosopiperidine | ug/L | | | | <8 | | <8 | |
| N-nitrosopyrrolidine | ug/L | | | | <8 | | <8 | |
| O,o,o-triethyl phosphorothioate | ug/L | | | | <.4 | | <.4 | |
| O-toluidine | ug/L | | | | <8 | | <8 | |
| Parathion | ug/L | | | | <.4 | | <.4 | |
| P-dimethylaminoazobenzene | ug/L | | | | <8 | | <8 | |
| Pentachlorobenzene | ug/L | | | | <8 | | <8 | |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | <8 | | <8 | |
| Pentachlorophenol | ug/L | | | | <8 | | <8 | |
| Phenacetin | ug/L | | | | <8 | | <8 | |
| Phenanthrene | ug/L | | | | <8 | | <8 | |
| Phenol | ug/L | | | | <8 | | <8 | |
| Phorate | ug/L | | | | <.4 | | <.4 | |
| Pronamide | ug/L | | | | <8 | | <8 | |
| Propionitrile | ug/L | | | | <10 | | <10 | |
| Pyrene | ug/L | | | | <8 | | <8 | |
| Safrole | ug/L | | | | <8 | | <8 | |
| Selenium, total | ug/L | <4 | <4 | | <4 | <4 | <4 | <2 |
| Silver, total | ug/L | <4 | <4 | | <4 | <4 | <4 | <5 |
| Styrene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Sulfide, total | mg/L | | | | <1.5 | | <.1 | |
| Tetrachloroethylene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <2.0 | <2.0 | | <2.0 | <2.0 | <2.0 | <.5 |
| Thionazin | ug/L | | | | <.4 | | <.4 | |
| Tin, total | ug/L | | | | <20 | | <20 | |
| Toluene | ug/L | <1.0 | 2.2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Toxaphene | ug/L | | | | <.2 | | <.2 | |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | <20 | | <20 | <20 | <20 | <2 |
| 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 | <20.0 | <20.0 | | <20.0 | <20.0 | <20.0 | 8.7 |

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

## Table 9

## Analytical Data Summary for MW-45A

| Constituents | Units | 3/6/2024 | 6/3/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <5 | | <5 | <5 | <5 |
| 1,2-dibromoethane | ug/L | <1 | | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | <1 | | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | <10 | | <10 | <10 | <10 |
| 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 | <1 |
| Arsenic, total | ug/L | <4 | <4 | <4 | <4 | <2 |
| Barium, total | ug/L | 89.3 | 94.8 | 98.9 | 92.8 | 94.3 |
| Benzene | ug/L | <1 | | <1 | <1 | <1 |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Bromochloromethane | ug/L | <1 | | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | | <1 | <1 | <1 |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.2 |
| Carbon disulfide | ug/L | <1 | | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | | <1 | <1 | <1 |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <1 |
| Cis-1,2-dichloroethylene | ug/L | <1 | | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | | <1 | <1 | <1 |
| Cobalt, total | ug/L | <.4 | <.4 | 7.0 | <.4 | 3.8 |
| Copper, total | ug/L | <4 | 5 | <4 | <4 | <5 |
| Dibromochloromethane | ug/L | <1 | | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <1 |
| Methyl iodide | ug/L | <1 | | <1 | <1 | <1 |
| Methylene chloride | ug/L | <5 | | <5 | <5 | <5 |
| Nickel, total | ug/L | 4.3 | 4.6 | 4.5 | <4.0 | <5.0 |
| Selenium, total | ug/L | <4 | <4 | <4 | <4 | <2 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <5 |
| Styrene | ug/L | <1 | | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | | <1 | <1 | <1 |
| Thallium, total | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| Toluene | ug/L | <1 | | <1 | <1 | <1 |
| 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 | <2 |
| Vinyl acetate | ug/L | <5 | | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1 | | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | | <2 | <2 | <2 |
| Zinc, total | ug/L | <20.0 | <20.0 | <20.0 | 32.8 | 13.5 |

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

## Table 9

## Analytical Data Summary for MW-45D

| Constituents | Units | 3/6/2024 | 6/3/2024 | 9/18/2024 9/19/2024 | 12/9/2024 | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | | <1 | | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | | <1 | | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | | <1 | | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | | <1 | | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | | <1 | | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | | <1 | | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | | <1 | | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <5 | | <5 | | <5 | <5 |
| 1,2-dibromoethane | ug/L | <1 | | <1 | | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | | <1 | | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | | <1 | | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | | <1 | | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | <1 | | <1 | | <1 | <1 |
| 2-butanone (mek) | ug/L | <10 | | <10 | | <10 | <10 |
| 2-hexanone (mbk) | ug/L | <5 | | <5 | | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | | <5 | | <5 | <5 |
| Acetone | ug/L | <10.0 | | 38.2 | 10.0 | <10.0 | <10.0 |
| Acrylonitrile | ug/L | <5 | | <5 | | <5 | <5 |
| Antimony, total | ug/L | 2.0 | <2.0 | <2.0 | | <2.0 | 1.6 |
| Arsenic, total | ug/L | <4.0 | 7.9 | 9.7 | | 10.0 | 4.7 |
| Barium, total | ug/L | 32.3 | 32.3 | 83.1 | | 97.3 | 77.1 |
| Benzene | ug/L | <1 | | <1 | | <1 | <1 |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | | <4.0 | <.5 |
| Bromochloromethane | ug/L | <1 | | <1 | | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | | <1 | | <1 | <1 |
| Bromoform | ug/L | <1 | | <1 | | <1 | <1 |
| Bromomethane | ug/L | <1 | | <1 | | <1 | <1 |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | | <.8 | <.2 |
| Carbon disulfide | ug/L | <1 | | <1 | | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | | <1 | | <1 | <1 |
| Chlorobenzene | ug/L | <1 | | <1 | | <1 | <1 |
| Chloroethane | ug/L | <1 | | <1 | | <1 | <1 |
| Chloroform | ug/L | <1 | | <1 | | <1 | <1 |
| Chloromethane | ug/L | <1 | | <1 | | <1 | <1 |
| Chromium, total | ug/L | <8.0 | <8.0 | <8.0 | | <8.0 | 1.1 |
| Cis-1,2-dichloroethylene | ug/L | <1 | | <1 | | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | | <1 | | <1 | <1 |
| Cobalt, total | ug/L | 2.1 | .8 | .8 | | 1.1 | <.5 |
| Copper, total | ug/L | <4 | <4 | <4 | | <4 | <5 |
| Dibromochloromethane | ug/L | <1 | | <1 | | <1 | <1 |
| Dibromomethane | ug/L | <1 | | <1 | | <1 | <1 |
| Ethylbenzene | ug/L | <1 | | <1 | | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | | <4 | <1 |
| Methyl iodide | ug/L | <1 | | <1 | | <1 | <1 |
| Methylene chloride | ug/L | <5 | | <5 | | <5 | <5 |
| Nickel, total | ug/L | 5.2 | <4.0 | <4.0 | | <4.0 | <5.0 |
| Selenium, total | ug/L | <4 | <4 | <4 | | <4 | <2 |
| Silver, total | ug/L | <4 | <4 | <4 | | <4 | <5 |
| Styrene | ug/L | <1 | | <1 | | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | | <1 | | <1 | <1 |
| Thallium, total | ug/L | <2.0 | <2.0 | <2.0 | | <2.0 | <.5 |
| Toluene | ug/L | <1 | | <1 | | <1 | <1 |
| 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 | <2 |
| Vinyl acetate | ug/L | <5 | | <5 | | <5 | <5 |
| Vinyl chloride | ug/L | <1 | | <1 | | <1 | <1 |
| Xylenes, total | ug/L | <2 | | <2 | | <2 | <2 |
| Zinc, total | ug/L | <20 | <20 | <20 | | <20 | 9 |

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

## Table 9

## Analytical Data Summary for MW-4A

| Constituents | Units | 9/23/2014 9/24/2014 | 12/2/2014 | 3/18/2015 3/19/2015 | 6/17/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Barium, total | ug/L | 367 | 418 | 322 | 267 | 390 | 378 | 380 | 265 | 365 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | <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 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Copper, total | ug/L | <4.0 | <4.0 | 30.1 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| 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 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Selenium, total | ug/L | <4 | <4 | 4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | 96 | | 7 | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | <8.0 | <8.0 | 14.7 | <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-4A

| Constituents | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <1 | <1 | <5 | <1 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <5 | <5 | <25 | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | <5 | <5 | <25 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <25 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10 | <10 | <50 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | <5 | <5 | <25 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Barium, total | 313 | 316 | 232 | 346 | 250 | 360 | 296 | 344 |
| Benzene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | <2.0 | <.8 | <.8 | <.8 | <.8 | <.4 | <.4 | <.4 |
| Copper, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <25 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | | | | | | | | |
| Styrene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <4 | <4 | <2 | <2 | <2 | <2 | <2 | <2 |
| Toluene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <25 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <25 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <8.0 | 14.1 | <8.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |

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

## Table 9

## Analytical Data Summary for MW-6A

| Constituents | Units | 9/23/2014<br>9/24/2014 | 3/18/2015<br>3/19/2015 | 8/27/2015<br>9/2/2015 | 3/3/2016<br>3/4/2016 | 9/20/2016<br>9/21/2016 | 3/9/2017 | 9/14/2017 | 12/13/2017 |
|---|---|---|---|---|---|---|---|---|---|
| (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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloropropene | ug/L | | | | | | | | |
| 1,2,3-trichloropropane | ug/L | <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 | |
| 1,2-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 | ug/L | | | | | | | | |
| 2,3,4,6-tetrachlorophenol | ug/L | | | | | | | | |
| 2,4,5-t | ug/L | | | | | | | | |
| 2,4,5-tp (silvex) | ug/L | | | | | | | | |
| 2,4,5-trichlorophenol | ug/L | | | | | | | | |
| 2,4,6-trichlorophenol | ug/L | | | | | | | | |
| 2,4-d | ug/L | | | | | | | | |
| 2,4-dichlorophenol | ug/L | | | | | | | | |
| 2,4-dimethylphenol | ug/L | | | | | | | | |
| 2,4-dinitrophenol | ug/L | | | | | | | | |
| 2,4-dinitrotoluene | ug/L | | | | | | | | |
| 2,6-dichlorophenol | ug/L | | | | | | | | |
| 2,6-dinitrotoluene | ug/L | | | | | | | | |
| 2-acetylaminofluorene | ug/L | | | | | | | | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 2-chloronaphthalene | ug/L | | | | | | | | |
| 2-chlorophenol | ug/L | | | | | | | | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 2-methylnaphthalene | ug/L | | | | | | | | |
| 2-methylphenol | ug/L | | | | | | | | |
| 2-naphthylamine | ug/L | | | | | | | | |
| 2-nitroaniline | ug/L | | | | | | | | |
| 2-nitrophenol | ug/L | | | | | | | | |
| 3,3´-dichlorobenzidine | ug/L | | | | | | | | |
| 3,3'-dimethylbenzidine | ug/L | | | | | | | | |
| 3-methylcholanthrene | ug/L | | | | | | | | |
| 3-nitroaniline | ug/L | | | | | | | | |
| 4,4´-ddd | ug/L | | | | | | | | |
| 4,4´-dde | ug/L | | | | | | | | |
| 4,4´-ddt | ug/L | | | | | | | | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | | | | | |
| 4-aminobiphenyl | ug/L | | | | | | | | |
| 4-bromophenyl phenyl ether | ug/L | | | | | | | | |
| 4-chloro-3-methylphenol | ug/L | | | | | | | | |
| 4-chloroaniline | ug/L | | | | | | | | |
| 4-chlorophenyl phenyl ether | ug/L | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 4-nitroaniline | ug/L | | | | | | | | |
| 4-nitrophenol | ug/L | | | | | | | | |
| 5-nitro-o-toluidine | ug/L | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | | | | | |
| Acenaphthene | ug/L | | | | | | | | |
| Acenaphthylene | ug/L | | | | | | | | |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | |
| Acetonitrile | ug/L | | | | | | | | |
| Acetophenone | ug/L | | | | | | | | |
| Acrolein | ug/L | | | | | | | | |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Aldrin | ug/L | | | | | | | | |
| 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-6A

| Constituents | 3/12/2018 3/13/2018 | 9/10/2018 | 11/14/2018 | 3/26/2019 | 6/5/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 |
|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | | | <8 | | | <8 | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | | | <1 | | | <1 | | |
| 1,2,3-trichloropropane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | <8 | | | <8 | | |
| 1,2,4-trichlorobenzene | | | | <1 | | | <1 | | |
| 1,2-dibromo-3-chloropropane | <1 | <1 | | <1 | | <1 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | | | <8 | | | <8 | | |
| 1,3,5-trinitrobenzene | | | | <8 | | | <8 | | |
| 1,3-dichlorobenzene | | | | <1 | | | <1 | | |
| 1,3-dichloropropane | | | | <1 | | | <1 | | |
| 1,3-dinitrobenzene | | | | <8 | | | <8 | | |
| 1,4-dichlorobenzene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | | | | <8 | | | <8 | | |
| 1,4-phenylenediamine | | | | <8 | | | <8 | | |
| 1-naphthylamine | | | | <8 | | | <8 | | |
| 2,2-dichloropropane | | | | <1 | | | <1 | | |
| 2,3,4,6-tetrachlorophenol | | | | <8 | | | <8 | | |
| 2,4,5-t | | | | <.5 | | | <.7 | | |
| 2,4,5-tp (silvex) | | | | <.5 | | | <.7 | | |
| 2,4,5-trichlorophenol | | | | <8 | | | <8 | | |
| 2,4,6-trichlorophenol | | | | <8 | | | <8 | | |
| 2,4-d | | | | <2.0 | | | <2.7 | | |
| 2,4-dichlorophenol | | | | <8 | | | <8 | | |
| 2,4-dimethylphenol | | | | <8 | | | <8 | | |
| 2,4-dinitrophenol | | | | <8 | | | <8 | | |
| 2,4-dinitrotoluene | | | | <8 | | | <8 | | |
| 2,6-dichlorophenol | | | | <8 | | | <8 | | |
| 2,6-dinitrotoluene | | | | <8 | | | <8 | | |
| 2-acetylaminofluorene | | | | <8 | | | <8 | | |
| 2-butanone (mek) | <5 | <5 | | <5 | | <5 | <5 | <5 | <5 |
| 2-chloronaphthalene | | | | <8 | | | <8 | | |
| 2-chlorophenol | | | | <8 | | | <8 | | |
| 2-hexanone (mbk) | <5 | <5 | | <5 | | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | <8 | | | <8 | | |
| 2-methylphenol | | | | <8 | | | <8 | | |
| 2-naphthylamine | | | | <8 | | | <8 | | |
| 2-nitroaniline | | | | <8 | | | <8 | | |
| 2-nitrophenol | | | | <8 | | | <8 | | |
| 3,3´-dichlorobenzidine | | | | <8 | | | <8 | | |
| 3,3'-dimethylbenzidine | | | | <8 | | | <8 | | |
| 3-methylcholanthrene | | | | <8 | | | <8 | | |
| 3-nitroaniline | | | | <8 | | | <8 | | |
| 4,4´-ddd | | | | <.05 | | | <.05 | | |
| 4,4´-dde | | | | <.05 | | | <.05 | | |
| 4,4´-ddt | | | | <.05 | | | <.05 | | |
| 4,6-dinitro-2-methylphenol | | | | <8 | | | <8 | | |
| 4-aminobiphenyl | | | | <8 | | | <8 | | |
| 4-bromophenyl phenyl ether | | | | <8 | | | <8 | | |
| 4-chloro-3-methylphenol | | | | <8 | | | <8 | | |
| 4-chloroaniline | | | | <8 | | | <8 | | |
| 4-chlorophenyl phenyl ether | | | | <8 | | | <8 | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | | <5 | | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | <8 | | | <8 | | |
| 4-nitrophenol | | | | <8 | | | <8 | | |
| 5-nitro-o-toluidine | | | | <8 | | | <8 | | |
| 7,12-dimethylbenz(a)anthracene | | | | <8 | | | <8 | | |
| Acenaphthene | | | | <8 | | | <8 | | |
| Acenaphthylene | | | | <8 | | | <8 | | |
| Acetone | <10 | <10 | | <10 | | <10 | <10 | <10 | <10 |
| Acetonitrile | | | | <10 | | | <10 | | |
| Acetophenone | | | | <8 | | | <8 | | |
| Acrolein | | | | <10 | | | <10 | | |
| Acrylonitrile | <5 | <5 | | <5 | | <5 | <5 | <5 | <5 |
| Aldrin | | | | <.05 | | | <.05 | | |
| Allyl chloride | | | | <1 | | | <1 | | |
| Alpha-bhc | | | | <.05 | | | <.05 | | |

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

## Table 9

## Analytical Data Summary for MW-6A

| Constituents | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | | | | | <8 | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | | | | | <1 | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | | | <8 | |
| 1,2,4-trichlorobenzene | | | | | | <1 | |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 | <1 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | | | | | <8 | |
| 1,3,5-trinitrobenzene | | | | | | <8 | |
| 1,3-dichlorobenzene | | | | | | <1 | |
| 1,3-dichloropropane | | | | | | <1 | |
| 1,3-dinitrobenzene | | | | | | <8 | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | | | | | | <8 | |
| 1,4-phenylenediamine | | | | | | <8 | |
| 1-naphthylamine | | | | | | <8 | |
| 2,2-dichloropropane | | | | | | <1 | |
| 2,3,4,6-tetrachlorophenol | | | | | | <8 | |
| 2,4,5-t | | | | | | | |
| 2,4,5-tp (silvex) | | | | | | | |
| 2,4,5-trichlorophenol | | | | | | <8 | |
| 2,4,6-trichlorophenol | | | | | | <8 | |
| 2,4-d | | | | | | | |
| 2,4-dichlorophenol | | | | | | <8 | |
| 2,4-dimethylphenol | | | | | | <8 | |
| 2,4-dinitrophenol | | | | | | <8 | |
| 2,4-dinitrotoluene | | | | | | <8 | |
| 2,6-dichlorophenol | | | | | | <8 | |
| 2,6-dinitrotoluene | | | | | | <8 | |
| 2-acetylaminofluorene | | | | | | <8 | |
| 2-butanone (mek) | <5 | <10 | <10 | <10 | <10 | <5 | <10 |
| 2-chloronaphthalene | | | | | | <8 | |
| 2-chlorophenol | | | | | | <8 | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | | | <8 | |
| 2-methylphenol | | | | | | <8 | |
| 2-naphthylamine | | | | | | <8 | |
| 2-nitroaniline | | | | | | <8 | |
| 2-nitrophenol | | | | | | <8 | |
| 3,3´-dichlorobenzidine | | | | | | <8 | |
| 3,3'-dimethylbenzidine | | | | | | <8 | |
| 3-methylcholanthrene | | | | | | <8 | |
| 3-nitroaniline | | | | | | <8 | |
| 4,4´-ddd | | | | | | <.11 | |
| 4,4´-dde | | | | | | <.11 | |
| 4,4´-ddt | | | | | | <.11 | |
| 4,6-dinitro-2-methylphenol | | | | | | <8 | |
| 4-aminobiphenyl | | | | | | <8 | |
| 4-bromophenyl phenyl ether | | | | | | <8 | |
| 4-chloro-3-methylphenol | | | | | | <8 | |
| 4-chloroaniline | | | | | | <8 | |
| 4-chlorophenyl phenyl ether | | | | | | <8 | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | | | <8 | |
| 4-nitrophenol | | | | | | <8 | |
| 5-nitro-o-toluidine | | | | | | <8 | |
| 7,12-dimethylbenz(a)anthracene | | | | | | <8 | |
| Acenaphthene | | | | | | <8 | |
| Acenaphthylene | | | | | | <8 | |
| Acetone | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acetonitrile | | | | | | <10 | |
| Acetophenone | | | | | | <8 | |
| Acrolein | | | | | | <10 | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | | | | | | <.11 | |
| Allyl chloride | | | | | | <1 | |
| Alpha-bhc | | | | | | <.11 | |

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

## Table 9

## Analytical Data Summary for MW-6A

| Constituents | Units | 9/23/2014<br>9/24/2014 | 3/18/2015<br>3/19/2015 | 8/27/2015<br>9/2/2015 | 3/3/2016<br>3/4/2016 | 9/20/2016<br>9/21/2016 | 3/9/2017 | 9/14/2017 | 12/13/2017 |
|---|---|---|---|---|---|---|---|---|---|
| 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 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | |
| Azobenzene | ug/L | | | | | | | | |
| Barium, total | ug/L | 178.0 | 276.0 | 228.0 | 255.0 | 235.0 | 237.0 | 296.0 | |
| 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 | | | | | | | | |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | |
| Beta-bhc | ug/L | | | | | | | | |
| Bis (2-chloroethoxy) methane | ug/L | | | | | | | | |
| Bis(2-chloroethyl) ether | ug/L | | | | | | | | |
| Bis(2-chloroisopropyl) ether | ug/L | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | ug/L | | | | | | | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Butyl benzyl phthalate | ug/L | | | | | | | | |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlordane | ug/L | | | | | | | | |
| 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 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Cobalt, total | ug/L | 2.5 | <.8 | 1.4 | <.8 | 1.2 | <.8 | 5.4 | 1.4 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | |
| Cyanide, total | mg/L | | | | | | | | |
| Delta-bhc | ug/L | | | | | | | | |
| Diallate | ug/L | | | | | | | | |
| Dibenzo(a,h)anthracene | ug/L | | | | | | | | |
| Dibenzofuran | ug/L | | | | | | | | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 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 | | | | | | | | |
| Heptachlor | ug/L | | | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-6A

| Constituents | 3/12/2018 3/13/2018 | 9/10/2018 | 11/14/2018 | 3/26/2019 | 6/5/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | | | | <8 | | | <8 | | |
| Antimony, total | <2 | <2 | | <2 | | <2 | <2 | <2 | <2 |
| Arochlor 1016 | | | | <.10 | | | <.10 | | |
| Arochlor 1221 | | | | <.20 | | | <.20 | | |
| Arochlor 1232 | | | | <.20 | | | <.20 | | |
| Arochlor 1242 | | | | <.20 | | | <.20 | | |
| Arochlor 1248 | | | | <.20 | | | <.20 | | |
| Arochlor 1254 | | | | <.10 | | | <.10 | | |
| Arochlor 1260 | | | | <.10 | | | <.10 | | |
| Arsenic, total | 5.3 | <4.0 | | <4.0 | | <4.0 | <4.0 | <4.0 | <4.0 |
| Azobenzene | | | | <8 | | | <8 | | |
| Barium, total | 374.0 | 115.0 | | 169.0 | | 192.0 | 202.0 | 187.0 | 173.0 |
| Benzene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | | | | <8 | | | <8 | | |
| Benzo(a)pyrene | | | | <8 | | | <8 | | |
| Benzo(b)fluoranthene | | | | <8 | | | <8 | | |
| Benzo(g,h,i)perylene | | | | <8 | | | <8 | | |
| Benzo(k)fluoranthene | | | | <8 | | | <8 | | |
| Benzyl alcohol | | | | <8 | | | <8 | | |
| Beryllium, total | <4.0 | <4.0 | | <4.0 | | <4.0 | <4.0 | <4.0 | <4.0 |
| Beta-bhc | | | | <.05 | | | <.05 | | |
| Bis (2-chloroethoxy) methane | | | | <8 | | | <8 | | |
| Bis(2-chloroethyl) ether | | | | <8 | | | <8 | | |
| Bis(2-chloroisopropyl) ether | | | | <8 | | | <8 | | |
| Bis(2-ethylhexyl) phthalate | | | | 55 | <6 | | 7 | | <6 |
| Bromochloromethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | <8 | | | <8 | | |
| Cadmium, total | <.8 | <.8 | | <.8 | | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Chlordane | | | | <.10 | | | <.10 | | |
| Chlorobenzene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Chlorobenzilate | | | | <8 | | | <8 | | |
| Chloroethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Chloroprene | | | | <1 | | | <1 | | |
| Chromium, total | <8 | <8 | | <8 | | <8 | <8 | <8 | <8 |
| Chrysene | | | | <8 | | | <8 | | |
| Cis-1,2-dichloroethylene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Cobalt, total | <2.0 | 2.2 | | <.8 | | 1.3 | <.8 | .7 | 17.5 |
| Copper, total | <4 | <4 | | <4 | | <4 | <4 | <4 | <4 |
| Cyanide, total | | | | <.005 | | | <.005 | | |
| Delta-bhc | | | | <.05 | | | <.05 | | |
| Diallate | | | | <8 | | | <8 | | |
| Dibenzo(a,h)anthracene | | | | <8 | | | <8 | | |
| Dibenzofuran | | | | <8 | | | <8 | | |
| Dibromochloromethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | | <1 | | | <1 | | |
| Dieldrin | | | | <.05 | | | <.05 | | |
| Diethyl phthalate | | | | <8 | | | <8 | | |
| Dimethoate | | | | <.4 | | | <.4 | | |
| Dimethylphthalate | | | | <8 | | | <8 | | |
| Di-n-butyl phthalate | | | | <8 | | | <8 | | |
| Di-n-octyl phthalate | | | | <8 | | | <8 | | |
| Dinoseb | | | | <.5 | | | <.7 | | |
| Diphenylamine | | | | <8 | | | <8 | | |
| Disulfoton | | | | <.4 | | | <.4 | | |
| Endosulfan i | | | | <.05 | | | <.05 | | |
| Endosulfan ii | | | | <.05 | | | <.05 | | |
| Endosulfan sulfate | | | | <.05 | | | <.05 | | |
| Endrin | | | | <.05 | | | <.05 | | |
| Endrin aldehyde | | | | <.05 | | | <.05 | | |
| Ethyl methacrylate | | | | <10 | | | <10 | | |
| Ethyl methanesulfonate | | | | <8 | | | <8 | | |
| Ethylbenzene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Famphur | | | | <.4 | | | <.4 | | |
| Fluoranthene | | | | <8 | | | <8 | | |
| Fluorene | | | | <8 | | | <8 | | |
| Gamma-bhc (lindane) | | | | <.05 | | | <.05 | | |
| Heptachlor | | | | <.05 | | | <.05 | | |

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

## Table 9

## Analytical Data Summary for MW-6A

| Constituents | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|
| Anthracene | | | | | | <8 | |
| Antimony, total | <2 | 3 | <2 | <2 | <2 | <2 | <1 |
| Arochlor 1016 | | | | | | <.45 | |
| Arochlor 1221 | | | | | | <.45 | |
| Arochlor 1232 | | | | | | <.45 | |
| Arochlor 1242 | | | | | | <.45 | |
| Arochlor 1248 | | | | | | <.45 | |
| Arochlor 1254 | | | | | | <.45 | |
| Arochlor 1260 | | | | | | <.45 | |
| Arsenic, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <2.0 |
| Azobenzene | | | | | | <8 | |
| Barium, total | 152.0 | 127.0 | 174.0 | 119.0 | 80.2 | 85.5 | 72.7 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | | | | | | <8 | |
| Benzo(a)pyrene | | | | | | <8 | |
| Benzo(b)fluoranthene | | | | | | <8 | |
| Benzo(g,h,i)perylene | | | | | | <8 | |
| Benzo(k)fluoranthene | | | | | | <8 | |
| Benzyl alcohol | | | | | | <8 | |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Beta-bhc | | | | | | <.11 | |
| Bis (2-chloroethoxy) methane | | | | | | <8 | |
| Bis(2-chloroethyl) ether | | | | | | <8 | |
| Bis(2-chloroisopropyl) ether | | | | | | <8 | |
| Bis(2-ethylhexyl) phthalate | <6 | <6 | | | | <6 | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | | | <8 | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | .3 |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | | | | | | <.23 | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | | | | | | <8 | |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | | | | | | <1 | |
| Chromium, total | <8 | <8 | <8 | <8 | <8 | <8 | 1 |
| Chrysene | | | | | | <8 | |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | 1.9 | .4 | 2.8 | <.4 | 4.9 | 6.8 | .5 |
| Copper, total | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Cyanide, total | | | | | | <.010 | |
| Delta-bhc | | | | | | <.11 | |
| Diallate | | | | | | <8 | |
| Dibenzo(a,h)anthracene | | | | | | <8 | |
| Dibenzofuran | | | | | | <8 | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | | | | <1 | |
| Dieldrin | | | | | | <.11 | |
| Diethyl phthalate | | | | | | <8 | |
| Dimethoate | | | | | | | |
| Dimethylphthalate | | | | | | <8 | |
| Di-n-butyl phthalate | | | | | | <8 | |
| Di-n-octyl phthalate | | | | | | <8 | |
| Dinoseb | | | | | | | |
| Diphenylamine | | | | | | <8 | |
| Disulfoton | | | | | | | |
| Endosulfan i | | | | | | <.11 | |
| Endosulfan ii | | | | | | <.11 | |
| Endosulfan sulfate | | | | | | <.11 | |
| Endrin | | | | | | <.11 | |
| Endrin aldehyde | | | | | | <.11 | |
| Ethyl methacrylate | | | | | | <10 | |
| Ethyl methanesulfonate | | | | | | <8 | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | | | | | | | |
| Fluoranthene | | | | | | <8 | |
| Fluorene | | | | | | <8 | |
| Gamma-bhc (lindane) | | | | | | <.11 | |
| Heptachlor | | | | | | <.11 | |

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

## Table 9

## Analytical Data Summary for MW-6A

| Constituents | Units | 9/23/2014<br>9/24/2014 | 3/18/2015<br>3/19/2015 | 8/27/2015<br>9/2/2015 | 3/3/2016<br>3/4/2016 | 9/20/2016<br>9/21/2016 | 3/9/2017 | 9/14/2017 | 12/13/2017 |
|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | ug/L | | | | | | | | |
| Hexachlorobenzene | ug/L | | | | | | | | |
| Hexachlorobutadiene | ug/L | | | | | | | | |
| Hexachlorocyclopentadiene | ug/L | | | | | | | | |
| Hexachloroethane | ug/L | | | | | | | | |
| Hexachloropropene | ug/L | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/L | | | | | | | | |
| Isobutanol | mg/L | | | | | | | | |
| Isodrin | ug/L | | | | | | | | |
| Isophorone | ug/L | | | | | | | | |
| Isosafrole | ug/L | | | | | | | | |
| Kepone | ug/L | | | | | | | | |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | |
| Mercury, total | ug/L | | | | | | | | |
| Methacrylonitrile | ug/L | | | | | | | | |
| Methapyrilene | ug/L | | | | | | | | |
| Methoxychlor | ug/L | | | | | | | | |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 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 | | | | | | | | |
| Nickel, total | ug/L | 13.7 | 9.4 | 17.3 | 4.1 | 5.5 | <4.0 | 13.2 | |
| Nitrobenzene | ug/L | | | | | | | | |
| N-nitrosodiethylamine | ug/L | | | | | | | | |
| N-nitrosodimethylamine | ug/L | | | | | | | | |
| N-nitrosodi-n-butylamine | ug/L | | | | | | | | |
| N-nitroso-di-n-propylamine | ug/L | | | | | | | | |
| N-nitrosodiphenylamine | ug/L | | | | | | | | |
| N-nitrosomethylethylamine | ug/L | | | | | | | | |
| N-nitrosopiperidine | ug/L | | | | | | | | |
| N-nitrosopyrrolidine | ug/L | | | | | | | | |
| O,o,o-triethyl phosphorothioate | ug/L | | | | | | | | |
| O-toluidine | ug/L | | | | | | | | |
| Parathion | ug/L | | | | | | | | |
| P-dimethylaminoazobenzene | ug/L | | | | | | | | |
| Pentachlorobenzene | ug/L | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | | | | | |
| Pentachlorophenol | ug/L | | | | | | | | |
| Phenacetin | ug/L | | | | | | | | |
| Phenanthrene | ug/L | | | | | | | | |
| Phenol | ug/L | | | | | | | | |
| Phorate | ug/L | | | | | | | | |
| Pronamide | ug/L | | | | | | | | |
| Propionitrile | ug/L | | | | | | | | |
| Pyrene | ug/L | | | | | | | | |
| Safrole | ug/L | | | | | | | | |
| Selenium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | |
| Solids, total suspended | mg/L | 186 | 19 | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Sulfide, total | mg/L | | | | | | | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Thallium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | |
| Thionazin | ug/L | | | | | | | | |
| Tin, total | ug/L | | | | | | | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toxaphene | ug/L | | | | | | | | |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | <20 | <20 | |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| Zinc, total | ug/L | <16.0 | 8.4 | 9.6 | <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-6A

| Constituents | 3/12/2018 3/13/2018 | 9/10/2018 | 11/14/2018 | 3/26/2019 | 6/5/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 |
|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | | | | <.05 | | | <.05 | | |
| Hexachlorobenzene | | | | <.05 | | | <.05 | | |
| Hexachlorobutadiene | | | | <8 | | | <8 | | |
| Hexachlorocyclopentadiene | | | | <8 | | | <8 | | |
| Hexachloroethane | | | | <8 | | | <8 | | |
| Hexachloropropene | | | | <8 | | | <8 | | |
| Indeno(1,2,3-cd)pyrene | | | | <8 | | | <8 | | |
| Isobutanol | | | | <1 | | | <1 | | |
| Isodrin | | | | <8 | | | <8 | | |
| Isophorone | | | | <8 | | | <8 | | |
| Isosafrole | | | | <8 | | | <8 | | |
| Kepone | | | | <8 | | | <8 | | |
| Lead, total | <4 | <4 | | <4 | | <4 | <4 | <4 | <4 |
| Mercury, total | | | | <.5 | | | <.5 | | |
| Methacrylonitrile | | | | <1 | | | <1 | | |
| Methapyrilene | | | | <8 | | | <8 | | |
| Methoxychlor | | | | <.05 | | | <.05 | | |
| Methyl iodide | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Methyl methacrylate | | | | <1 | | | <1 | | |
| Methyl methanesulfonate | | | | <8 | | | <8 | | |
| Methyl parathion | | | | <.4 | | | <.4 | | |
| Methylene chloride | <5 | <5 | | <5 | | <5 | <5 | <5 | <5 |
| Naphthalene | | | | <8 | | | <8 | | |
| Nickel, total | 5.2 | 22.8 | 35.2 | 4.6 | | 11.8 | 5.5 | 5.1 | 28.1 |
| Nitrobenzene | | | | <8 | | | <8 | | |
| N-nitrosodiethylamine | | | | <8 | | | <8 | | |
| N-nitrosodimethylamine | | | | <8 | | | <8 | | |
| N-nitrosodi-n-butylamine | | | | <8 | | | <8 | | |
| N-nitroso-di-n-propylamine | | | | <8 | | | <8 | | |
| N-nitrosodiphenylamine | | | | <8 | | | <8 | | |
| N-nitrosomethylethylamine | | | | <8 | | | <8 | | |
| N-nitrosopiperidine | | | | <8 | | | <8 | | |
| N-nitrosopyrrolidine | | | | <8 | | | <8 | | |
| O,o,o-triethyl phosphorothioate | | | | <.4 | | | <.4 | | |
| O-toluidine | | | | <8 | | | <8 | | |
| Parathion | | | | <.4 | | | <.4 | | |
| P-dimethylaminoazobenzene | | | | <8 | | | <8 | | |
| Pentachlorobenzene | | | | <8 | | | <8 | | |
| Pentachloronitrobenzene (pcnb) | | | | <8 | | | <8 | | |
| Pentachlorophenol | | | | <8 | | | <8 | | |
| Phenacetin | | | | <8 | | | <8 | | |
| Phenanthrene | | | | <8 | | | <8 | | |
| Phenol | | | | <8 | | | <8 | | |
| Phorate | | | | <.4 | | | <.4 | | |
| Pronamide | | | | <8 | | | <8 | | |
| Propionitrile | | | | <10 | | | <10 | | |
| Pyrene | | | | <8 | | | <8 | | |
| Safrole | | | | <8 | | | <8 | | |
| Selenium, total | <4.0 | <4.0 | | <4.0 | | <4.0 | <4.0 | <4.0 | <4.0 |
| Silver, total | <4 | <4 | | <4 | | <4 | <4 | <4 | <4 |
| Solids, total suspended | | | | | | | | | |
| Styrene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Sulfide, total | | | | <.1 | | | <.1 | | |
| Tetrachloroethylene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Thallium, total | <4.0 | <4.0 | | <2.0 | | <2.0 | <2.0 | <2.0 | <2.0 |
| Thionazin | | | | <.4 | | | <.4 | | |
| Tin, total | | | | <20 | | | <20 | | |
| Toluene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Toxaphene | | | | <.20 | | | <.20 | | |
| Trans-1,2-dichloroethylene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | | <5 | | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | | <20 | | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | | <5 | | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | | <2 | | <2 | <2 | <2 | <2 |
| Zinc, total | <8.0 | 13.5 | | <8.0 | | <20.0 | <20.0 | <20.0 | <20.0 |

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

## Table 9

## Analytical Data Summary for MW-6A

| Constituents | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | | | | | | <.11 | |
| Hexachlorobenzene | | | | | | <.11 | |
| Hexachlorobutadiene | | | | | | <8 | |
| Hexachlorocyclopentadiene | | | | | | <8 | |
| Hexachloroethane | | | | | | <8 | |
| Hexachloropropene | | | | | | <8 | |
| Indeno(1,2,3-cd)pyrene | | | | | | <8 | |
| Isobutanol | | | | | | <1 | |
| Isodrin | | | | | | <8 | |
| Isophorone | | | | | | <8 | |
| Isosafrole | | | | | | <8 | |
| Kepone | | | | | | <8 | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <1 |
| Mercury, total | | | | | | <.5 | |
| Methacrylonitrile | | | | | | <1 | |
| Methapyrilene | | | | | | <8 | |
| Methoxychlor | | | | | | <.11 | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| Methyl methacrylate | | | | | | <1 | |
| Methyl methanesulfonate | | | | | | <8 | |
| Methyl parathion | | | | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | | | | | <8 | |
| Nickel, total | 5.7 | 28.3 | 25.9 | 18.0 | 22.6 | 22.8 | 30.7 |
| Nitrobenzene | | | | | | <8 | |
| N-nitrosodiethylamine | | | | | | <8 | |
| N-nitrosodimethylamine | | | | | | <8 | |
| N-nitrosodi-n-butylamine | | | | | | <8 | |
| N-nitroso-di-n-propylamine | | | | | | <8 | |
| N-nitrosodiphenylamine | | | | | | <8 | |
| N-nitrosomethylethylamine | | | | | | <8 | |
| N-nitrosopiperidine | | | | | | <8 | |
| N-nitrosopyrrolidine | | | | | | <8 | |
| O,o,o-triethyl phosphorothioate | | | | | | | |
| O-toluidine | | | | | | <8 | |
| Parathion | | | | | | | |
| P-dimethylaminoazobenzene | | | | | | <8 | |
| Pentachlorobenzene | | | | | | <8 | |
| Pentachloronitrobenzene (pcnb) | | | | | | <8 | |
| Pentachlorophenol | | | | | | <8 | |
| Phenacetin | | | | | | <8 | |
| Phenanthrene | | | | | | <8 | |
| Phenol | | | | | | <8 | |
| Phorate | | | | | | | |
| Pronamide | | | | | | <8 | |
| Propionitrile | | | | | | <10 | |
| Pyrene | | | | | | <8 | |
| Safrole | | | | | | <8 | |
| Selenium, total | <4.0 | 84.7 | 4.4 | <4.0 | <4.0 | <4.0 | <2.0 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Solids, total suspended | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total | | | | | | <.1 | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| Thionazin | | | | | | | |
| Tin, total | | | | | | <20 | |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | | | | | | <.45 | |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <2 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | 12.8 |

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

## Table 9

## Analytical Data Summary for MW-8B

| Constituents | Units | 9/23/2014 9/24/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 |
|---|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | ug/L | | | | <8 | | | | | |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | ug/L | | | | <1 | | | | | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | | <8 | | | | | |
| 1,2,4-trichlorobenzene | ug/L | | | | <1 | | | | | |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | ug/L | | | | <8 | | | | | |
| 1,3,5-trinitrobenzene | ug/L | | | | <8 | | | | | |
| 1,3-dichlorobenzene | ug/L | | | | <1 | | | | | |
| 1,3-dichloropropane | ug/L | | | | <1 | | | | | |
| 1,3-dinitrobenzene | ug/L | | | | <8 | | | | | |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | ug/L | | | | <8 | | | | | |
| 1,4-phenylenediamine | ug/L | | | | <8 | | | | | |
| 1-naphthylamine | ug/L | | | | <8 | | | | | |
| 2,2-dichloropropane | ug/L | | | | <1 | | | | | |
| 2,3,4,6-tetrachlorophenol | ug/L | | | | <8 | | | | | |
| 2,4,5-t | ug/L | | | | <.5 | | | | | |
| 2,4,5-tp (silvex) | ug/L | | | | <.5 | | | | | |
| 2,4,5-trichlorophenol | ug/L | | | | <8 | | | | | |
| 2,4,6-trichlorophenol | ug/L | | | | <8 | | | | | |
| 2,4-d | ug/L | | | | <2 | | | | | |
| 2,4-dichlorophenol | ug/L | | | | <8 | | | | | |
| 2,4-dimethylphenol | ug/L | | | | <8 | | | | | |
| 2,4-dinitrophenol | ug/L | | | | <8 | | | | | |
| 2,4-dinitrotoluene | ug/L | | | | <8 | | | | | |
| 2,6-dichlorophenol | ug/L | | | | <8 | | | | | |
| 2,6-dinitrotoluene | ug/L | | | | <8 | | | | | |
| 2-acetylaminofluorene | ug/L | | | | <8 | | | | | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-chloronaphthalene | ug/L | | | | <8 | | | | | |
| 2-chlorophenol | ug/L | | | | <8 | | | | | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | ug/L | | | | <8 | | | | | |
| 2-methylphenol | ug/L | | | | <8 | | | | | |
| 2-naphthylamine | ug/L | | | | <8 | | | | | |
| 2-nitroaniline | ug/L | | | | <8 | | | | | |
| 2-nitrophenol | ug/L | | | | <8 | | | | | |
| 3,3´-dichlorobenzidine | ug/L | | | | <8 | | | | | |
| 3,3'-dimethylbenzidine | ug/L | | | | <8 | | | | | |
| 3-methylcholanthrene | ug/L | | | | <8 | | | | | |
| 3-nitroaniline | ug/L | | | | <8 | | | | | |
| 4,4´-ddd | ug/L | | | | <.05 | | | | | |
| 4,4´-dde | ug/L | | | | <.05 | | | | | |
| 4,4´-ddt | ug/L | | | | <.05 | | | | | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | <8 | | | | | |
| 4-aminobiphenyl | ug/L | | | | <8 | | | | | |
| 4-bromophenyl phenyl ether | ug/L | | | | <8 | | | | | |
| 4-chloro-3-methylphenol | ug/L | | | | <8 | | | | | |
| 4-chloroaniline | ug/L | | | | <8 | | | | | |
| 4-chlorophenyl phenyl ether | ug/L | | | | <8 | | | | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | ug/L | | | | <8 | | | | | |
| 4-nitrophenol | ug/L | | | | <8 | | | | | |
| 5-nitro-o-toluidine | ug/L | | | | <8 | | | | | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | <8 | | | | | |
| Acenaphthene | ug/L | | | | <8 | | | | | |
| Acenaphthylene | ug/L | | | | <8 | | | | | |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonitrile | ug/L | | | | <10 | | | | | |
| Acetophenone | ug/L | | | | <8 | | | | | |
| Acrolein | ug/L | | | | <10 | | | | | |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | ug/L | | | | <.05 | | | | | |
| 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-8B

| Constituents | 3/26/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 |
|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | | | | | | | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | | | | | | | | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | | | | | | |
| 1,2,4-trichlorobenzene | | | | | | | | | |
| 1,2-dibromo-3-chloropropane | <1 | <1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | | | | | | | | |
| 1,3,5-trinitrobenzene | | | | | | | | | |
| 1,3-dichlorobenzene | | | | | | | | | |
| 1,3-dichloropropane | | | | | | | | | |
| 1,3-dinitrobenzene | | | | | | | | | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | | | | | | | | | |
| 1,4-phenylenediamine | | | | | | | | | |
| 1-naphthylamine | | | | | | | | | |
| 2,2-dichloropropane | | | | | | | | | |
| 2,3,4,6-tetrachlorophenol | | | | | | | | | |
| 2,4,5-t | | | | | | | | | |
| 2,4,5-tp (silvex) | | | | | | | | | |
| 2,4,5-trichlorophenol | | | | | | | | | |
| 2,4,6-trichlorophenol | | | | | | | | | |
| 2,4-d | | | | | | | | | |
| 2,4-dichlorophenol | | | | | | | | | |
| 2,4-dimethylphenol | | | | | | | | | |
| 2,4-dinitrophenol | | | | | | | | | |
| 2,4-dinitrotoluene | | | | | | | | | |
| 2,6-dichlorophenol | | | | | | | | | |
| 2,6-dinitrotoluene | | | | | | | | | |
| 2-acetylaminofluorene | | | | | | | | | |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | <10 |
| 2-chloronaphthalene | | | | | | | | | |
| 2-chlorophenol | | | | | | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | | | | | | |
| 2-methylphenol | | | | | | | | | |
| 2-naphthylamine | | | | | | | | | |
| 2-nitroaniline | | | | | | | | | |
| 2-nitrophenol | | | | | | | | | |
| 3,3´-dichlorobenzidine | | | | | | | | | |
| 3,3'-dimethylbenzidine | | | | | | | | | |
| 3-methylcholanthrene | | | | | | | | | |
| 3-nitroaniline | | | | | | | | | |
| 4,4´-ddd | | | | | | | | | |
| 4,4´-dde | | | | | | | | | |
| 4,4´-ddt | | | | | | | | | |
| 4,6-dinitro-2-methylphenol | | | | | | | | | |
| 4-aminobiphenyl | | | | | | | | | |
| 4-bromophenyl phenyl ether | | | | | | | | | |
| 4-chloro-3-methylphenol | | | | | | | | | |
| 4-chloroaniline | | | | | | | | | |
| 4-chlorophenyl phenyl ether | | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | | | | | | |
| 4-nitrophenol | | | | | | | | | |
| 5-nitro-o-toluidine | | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | | | | | | |
| Acenaphthene | | | | | | | | | |
| Acenaphthylene | | | | | | | | | |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 12.2 |
| Acetonitrile | | | | | | | | | |
| Acetophenone | | | | | | | | | |
| Acrolein | | | | | | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | | | | | | | | | |
| Allyl chloride | | | | | | | | | |
| Alpha-bhc | | | | | | | | | |

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

## Table 9

### Analytical Data Summary for MW-8B

| Constituents | 5/9/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | | | | | |
| 1,1,1,2-tetrachloroethane | | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | | | | | |
| 1,2,3-trichloropropane | | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | | | |
| 1,2,4-trichlorobenzene | | | | | | |
| 1,2-dibromo-3-chloropropane | | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | | | | | |
| 1,3,5-trinitrobenzene | | | | | | |
| 1,3-dichlorobenzene | | | | | | |
| 1,3-dichloropropane | | | | | | |
| 1,3-dinitrobenzene | | | | | | |
| 1,4-dichlorobenzene | | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | | | | | | |
| 1,4-phenylenediamine | | | | | | |
| 1-naphthylamine | | | | | | |
| 2,2-dichloropropane | | | | | | |
| 2,3,4,6-tetrachlorophenol | | | | | | |
| 2,4,5-t | | | | | | |
| 2,4,5-tp (silvex) | | | | | | |
| 2,4,5-trichlorophenol | | | | | | |
| 2,4,6-trichlorophenol | | | | | | |
| 2,4-d | | | | | | |
| 2,4-dichlorophenol | | | | | | |
| 2,4-dimethylphenol | | | | | | |
| 2,4-dinitrophenol | | | | | | |
| 2,4-dinitrotoluene | | | | | | |
| 2,6-dichlorophenol | | | | | | |
| 2,6-dinitrotoluene | | | | | | |
| 2-acetylaminofluorene | | | | | | |
| 2-butanone (mek) | | <10 | <10 | <10 | <10 | <10 |
| 2-chloronaphthalene | | | | | | |
| 2-chlorophenol | | | | | | |
| 2-hexanone (mbk) | | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | | | |
| 2-methylphenol | | | | | | |
| 2-naphthylamine | | | | | | |
| 2-nitroaniline | | | | | | |
| 2-nitrophenol | | | | | | |
| 3,3´-dichlorobenzidine | | | | | | |
| 3,3'-dimethylbenzidine | | | | | | |
| 3-methylcholanthrene | | | | | | |
| 3-nitroaniline | | | | | | |
| 4,4´-ddd | | | | | | |
| 4,4´-dde | | | | | | |
| 4,4´-ddt | | | | | | |
| 4,6-dinitro-2-methylphenol | | | | | | |
| 4-aminobiphenyl | | | | | | |
| 4-bromophenyl phenyl ether | | | | | | |
| 4-chloro-3-methylphenol | | | | | | |
| 4-chloroaniline | | | | | | |
| 4-chlorophenyl phenyl ether | | | | | | |
| 4-methyl-2-pentanone (mibk) | | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | | | |
| 4-nitrophenol | | | | | | |
| 5-nitro-o-toluidine | | | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | | | |
| Acenaphthene | | | | | | |
| Acenaphthylene | | | | | | |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonitrile | | | | | | |
| Acetophenone | | | | | | |
| Acrolein | | | | | | |
| Acrylonitrile | | <5 | <5 | <5 | <5 | <5 |
| Aldrin | | | | | | |
| Allyl chloride | | | | | | |
| Alpha-bhc | | | | | | |

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

## Table 9

## Analytical Data Summary for MW-8B

| Constituents | Units | 9/23/2014 9/24/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 |
|---|---|---|---|---|---|---|---|---|---|---|
| Anthracene | ug/L | | | | <8 | | | | | |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 | ug/L | | | | <.1 | | | | | |
| Arochlor 1221 | ug/L | | | | <.2 | | | | | |
| Arochlor 1232 | ug/L | | | | <.2 | | | | | |
| Arochlor 1242 | ug/L | | | | <.2 | | | | | |
| Arochlor 1248 | ug/L | | | | <.2 | | | | | |
| Arochlor 1254 | ug/L | | | | <.1 | | | | | |
| Arochlor 1260 | ug/L | | | | <.1 | | | | | |
| Arsenic, total | ug/L | 16.4 | 18.1 | 20.1 | 19.9 | 20.4 | 36.5 | 17.6 | 20.3 | 17.3 |
| Azobenzene | ug/L | | | | <8 | | | | | |
| Barium, total | ug/L | 1110 | 864 | 797 | 1000 | 814 | 1330 | 803 | 769 | 767 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | ug/L | | | | <8 | | | | | |
| Benzo(a)pyrene | ug/L | | | | <8 | | | | | |
| Benzo(b)fluoranthene | ug/L | | | | <8 | | | | | |
| Benzo(g,h,i)perylene | ug/L | | | | <8 | | | | | |
| Benzo(k)fluoranthene | ug/L | | | | <8 | | | | | |
| Benzyl alcohol | ug/L | | | | <8 | | | | | |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Beta-bhc | ug/L | | | | <.05 | | | | | |
| Bicarbonate, as caco3 | mg/L | | | | | | | | | |
| Bis (2-chloroethoxy) methane | ug/L | | | | <8 | | | | | |
| Bis(2-chloroethyl) ether | ug/L | | | | <8 | | | | | |
| Bis(2-chloroisopropyl) ether | ug/L | | | | <8 | | | | | |
| Bis(2-ethylhexyl) phthalate | ug/L | | | | <8 | | | | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | ug/L | | | | <8 | | | | | |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | ug/L | | | | <.1 | | | | | |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | ug/L | | | | <8 | | | | | |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | ug/L | | | | <1 | | | | | |
| Chromium, total | ug/L | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Chrysene | ug/L | | | | <8 | | | | | |
| Cis-1,2-dichloroethylene | ug/L | <1 | <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 | 13.6 | 11.8 | 10.8 | 15.1 | 13.2 | 22.0 | 14.8 | 15.9 | 9.6 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Cyanide, total | mg/L | | | | <.005 | | | | | |
| Delta-bhc | ug/L | | | | <.05 | | | | | |
| Diallate | ug/L | | | | <8 | | | | | |
| Dibenzo(a,h)anthracene | ug/L | | | | <8 | | | | | |
| Dibenzofuran | ug/L | | | | <8 | | | | | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | | | | <1 | | | | | |
| Dieldrin | ug/L | | | | <.05 | | | | | |
| Diethyl phthalate | ug/L | | | | <8 | | | | | |
| Dimethoate | ug/L | | | | <.4 | | | | | |
| Dimethylphthalate | ug/L | | | | <8 | | | | | |
| Di-n-butyl phthalate | ug/L | | | | <8 | | | | | |
| Di-n-octyl phthalate | ug/L | | | | <8 | | | | | |
| Dinoseb | ug/L | | | | <.5 | | | | | |
| Diphenylamine | ug/L | | | | <8 | | | | | |
| Disulfoton | ug/L | | | | <.4 | | | | | |
| Endosulfan i | ug/L | | | | <.05 | | | | | |
| Endosulfan ii | ug/L | | | | <.05 | | | | | |
| Endosulfan sulfate | ug/L | | | | <.05 | | | | | |
| Endrin | ug/L | | | | <.05 | | | | | |
| Endrin aldehyde | ug/L | | | | <.05 | | | | | |
| Ethane | ug/L | | | | | | | | | |
| Ethene | ug/L | | | | | | | | | |
| Ethyl methacrylate | ug/L | | | | <10 | | | | | |
| Ethyl methanesulfonate | ug/L | | | | <8 | | | | | |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | ug/L | | | | <.4 | | | | | |
| Fluoranthene | ug/L | | | | <8 | | | | | |

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

## Table 9

## Analytical Data Summary for MW-8B

| Constituents | 3/26/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | | | | | | | | | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 | | | | | | | | | |
| Arochlor 1221 | | | | | | | | | |
| Arochlor 1232 | | | | | | | | | |
| Arochlor 1242 | | | | | | | | | |
| Arochlor 1248 | | | | | | | | | |
| Arochlor 1254 | | | | | | | | | |
| Arochlor 1260 | | | | | | | | | |
| Arsenic, total | 18.4 | 17.1 | 20.6 | 18.5 | 18.7 | 13.3 | 16.0 | 11.3 | 18.2 |
| Azobenzene | | | | | | | | | |
| Barium, total | 1040 | 838 | 829 | 804 | 746 | 763 | 742 | 767 | 821 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | | | | | | | | | |
| Benzo(a)pyrene | | | | | | | | | |
| Benzo(b)fluoranthene | | | | | | | | | |
| Benzo(g,h,i)perylene | | | | | | | | | |
| Benzo(k)fluoranthene | | | | | | | | | |
| Benzyl alcohol | | | | | | | | | |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Beta-bhc | | | | | | | | | |
| Bicarbonate, as caco3 | | | 652 | 792 | 777 | | 718 | | |
| Bis (2-chloroethoxy) methane | | | | | | | | | |
| Bis(2-chloroethyl) ether | | | | | | | | | |
| Bis(2-chloroisopropyl) ether | | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | | | | | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | | | | | | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | | | | | | | | | |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | | | | | | | | | |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | | | | | | | | | |
| Chromium, total | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Chrysene | | | | | | | | | |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | 15.4 | 14.3 | 12.5 | 13.4 | 12.0 | 11.9 | 12.7 | 13.8 | 9.6 |
| Copper, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Cyanide, total | | | | | | | | | |
| Delta-bhc | | | | | | | | | |
| Diallate | | | | | | | | | |
| Dibenzo(a,h)anthracene | | | | | | | | | |
| Dibenzofuran | | | | | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | | | | | | | |
| Dieldrin | | | | | | | | | |
| Diethyl phthalate | | | | | | | | | |
| Dimethoate | | | | | | | | | |
| Dimethylphthalate | | | | | | | | | |
| Di-n-butyl phthalate | | | | | | | | | |
| Di-n-octyl phthalate | | | | | | | | | |
| Dinoseb | | | | | | | | | |
| Diphenylamine | | | | | | | | | |
| Disulfoton | | | | | | | | | |
| Endosulfan i | | | | | | | | | |
| Endosulfan ii | | | | | | | | | |
| Endosulfan sulfate | | | | | | | | | |
| Endrin | | | | | | | | | |
| Endrin aldehyde | | | | | | | | | |
| Ethane | | | <15 | <13 | <10 | | | | |
| Ethene | | | <15 | <13 | <10 | | | | |
| Ethyl methacrylate | | | | | | | | | |
| Ethyl methanesulfonate | | | | | | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <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-8B

| Constituents | 5/9/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|
| Anthracene | | | | | | |
| Antimony, total | | <2 | <2 | <2 | <2 | <1 |
| Arochlor 1016 | | | | | | |
| Arochlor 1221 | | | | | | |
| Arochlor 1232 | | | | | | |
| Arochlor 1242 | | | | | | |
| Arochlor 1248 | | | | | | |
| Arochlor 1254 | | | | | | |
| Arochlor 1260 | | | | | | |
| Arsenic, total | | 17.4 | 18.0 | 17.5 | 14.4 | 18.1 |
| Azobenzene | | | | | | |
| Barium, total | | 810 | 806 | 1080 | 799 | 955 |
| Benzene | | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | | | | | | |
| Benzo(a)pyrene | | | | | | |
| Benzo(b)fluoranthene | | | | | | |
| Benzo(g,h,i)perylene | | | | | | |
| Benzo(k)fluoranthene | | | | | | |
| Benzyl alcohol | | | | | | |
| Beryllium, total | | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Beta-bhc | | | | | | |
| Bicarbonate, as caco3 | | 698 | 695 | 728 | 819 | 744 |
| Bis (2-chloroethoxy) methane | | | | | | |
| Bis(2-chloroethyl) ether | | | | | | |
| Bis(2-chloroisopropyl) ether | | | | | | |
| Bis(2-ethylhexyl) phthalate | | | | | | |
| Bromochloromethane | | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | | <1 | <1 | <1 | <1 | <1 |
| Bromoform | | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | | | |
| Cadmium, total | | <.8 | <.8 | <.8 | <.8 | <.2 |
| Carbon disulfide | | <1.0 | <1.0 | <1.0 | <1.0 | 1.3 |
| Carbon tetrachloride | | <1 | <1 | <1 | <1 | <1 |
| Chlordane | | | | | | |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | | | | | | |
| Chloroethane | | <1 | <1 | <1 | <1 | <1 |
| Chloroform | | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | | | | | | |
| Chromium, total | | <8.0 | <8.0 | <8.0 | <8.0 | 1.1 |
| Chrysene | | | | | | |
| Cis-1,2-dichloroethylene | | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | | 12.3 | 12.3 | 11.8 | 11.9 | 10.7 |
| Copper, total | | <4 | <4 | <4 | <4 | <5 |
| Cyanide, total | | | | | | |
| Delta-bhc | | | | | | |
| Diallate | | | | | | |
| Dibenzo(a,h)anthracene | | | | | | |
| Dibenzofuran | | | | | | |
| Dibromochloromethane | | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | | | | |
| Dieldrin | | | | | | |
| Diethyl phthalate | | | | | | |
| Dimethoate | | | | | | |
| Dimethylphthalate | | | | | | |
| Di-n-butyl phthalate | | | | | | |
| Di-n-octyl phthalate | | | | | | |
| Dinoseb | | | | | | |
| Diphenylamine | | | | | | |
| Disulfoton | | | | | | |
| Endosulfan i | | | | | | |
| Endosulfan ii | | | | | | |
| Endosulfan sulfate | | | | | | |
| Endrin | | | | | | |
| Endrin aldehyde | | | | | | |
| Ethane | | | | <5 | <5 | <5 |
| Ethene | | | | <5 | <5 | <5 |
| Ethyl methacrylate | | | | | | |
| 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-8B

| Constituents | Units | 9/23/2014 9/24/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | ug/L | | | | <8 | | | | | |
| Hexachloroethane | ug/L | | | | <8 | | | | | |
| Hexachloropropene | ug/L | | | | <8 | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/L | | | | <8 | | | | | |
| Isobutanol | mg/L | | | | <1 | | | | | |
| Isodrin | ug/L | | | | <8 | | | | | |
| Isophorone | ug/L | | | | <8 | | | | | |
| Isosafrole | ug/L | | | | <8 | | | | | |
| Kepone | ug/L | | | | <8 | | | | | |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Mercury, total | ug/L | | | | <.5 | | | | | |
| Methacrylonitrile | ug/L | | | | <1 | | | | | |
| Methane | ug/L | | | | | | | | | |
| Methapyrilene | ug/L | | | | <8 | | | | | |
| Methoxychlor | ug/L | | | | <.05 | | | | | |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | ug/L | | | | <1 | | | | | |
| Methyl methanesulfonate | ug/L | | | | <8 | | | | | |
| Methyl parathion | ug/L | | | | <.4 | | | | | |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | ug/L | | | | <8 | | | | | |
| Nickel, total | ug/L | 9.1 | 7.7 | 6.1 | 13.7 | 5.0 | 13.9 | 9.5 | 9.3 | 5.7 |
| Nitrobenzene | ug/L | | | | <8 | | | | | |
| N-nitrosodiethylamine | ug/L | | | | <8 | | | | | |
| N-nitrosodimethylamine | ug/L | | | | <8 | | | | | |
| N-nitrosodi-n-butylamine | ug/L | | | | <8 | | | | | |
| N-nitroso-di-n-propylamine | ug/L | | | | <8 | | | | | |
| N-nitrosodiphenylamine | ug/L | | | | <8 | | | | | |
| N-nitrosomethylethylamine | ug/L | | | | <8 | | | | | |
| N-nitrosopiperidine | ug/L | | | | <8 | | | | | |
| N-nitrosopyrrolidine | ug/L | | | | <8 | | | | | |
| O,o,o-triethyl phosphorothioate | ug/L | | | | <.4 | | | | | |
| O-toluidine | ug/L | | | | <8 | | | | | |
| Parathion | ug/L | | | | <.4 | | | | | |
| P-dimethylaminoazobenzene | ug/L | | | | <8 | | | | | |
| Pentachlorobenzene | ug/L | | | | <8 | | | | | |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | <8 | | | | | |
| Pentachlorophenol | ug/L | | | | <8 | | | | | |
| pH | pH | | | | | | | | | |
| Phenacetin | ug/L | | | | <8 | | | | | |
| Phenanthrene | ug/L | | | | <8 | | | | | |
| Phenol | ug/L | | | | <8 | | | | | |
| Phorate | ug/L | | | | <.4 | | | | | |
| Pronamide | ug/L | | | | <8 | | | | | |
| Propionitrile | ug/L | | | | <10 | | | | | |
| Pyrene | ug/L | | | | <8 | | | | | |
| Safrole | ug/L | | | | <8 | | | | | |
| Selenium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | 749 | 60 | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total | mg/L | | | | .15 | | | | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Thionazin | ug/L | | | | <.4 | | | | | |
| Tin, total | ug/L | | | | <20 | | | | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | ug/L | | | | <.2 | | | | | |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | <16.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | 26.2 |

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

## Table 9

## Analytical Data Summary for MW-8B

| Constituents | 3/26/2019 | 9/16/2019 | 3/23/2020<br>3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 |
|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Mercury, total | | | | | | | | | |
| Methacrylonitrile | | | | | | | | | |
| Methane | | | 1610.0 | 213.0 | 150.0 | | | | |
| Methapyrilene | | | | | | | | | |
| Methoxychlor | | | | | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | | | | | | | | | |
| Methyl methanesulfonate | | | | | | | | | |
| Methyl parathion | | | | | | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | | | | | | | | |
| Nickel, total | 13.6 | 9.3 | 9.9 | 9.6 | 8.4 | 8.5 | 9.0 | 5.0 | 6.8 |
| Nitrobenzene | | | | | | | | | |
| N-nitrosodiethylamine | | | | | | | | | |
| N-nitrosodimethylamine | | | | | | | | | |
| N-nitrosodi-n-butylamine | | | | | | | | | |
| N-nitroso-di-n-propylamine | | | | | | | | | |
| N-nitrosodiphenylamine | | | | | | | | | |
| N-nitrosomethylethylamine | | | | | | | | | |
| N-nitrosopiperidine | | | | | | | | | |
| N-nitrosopyrrolidine | | | | | | | | | |
| O,o,o-triethyl phosphorothioate | | | | | | | | | |
| O-toluidine | | | | | | | | | |
| Parathion | | | | | | | | | |
| P-dimethylaminoazobenzene | | | | | | | | | |
| Pentachlorobenzene | | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | | | | | | | | | |
| Pentachlorophenol | | | | | | | | | |
| pH | | | 6.8 | 6.8 | 6.6 | | 6.7 | | |
| Phenacetin | | | | | | | | | |
| Phenanthrene | | | | | | | | | |
| Phenol | | | | | | | | | |
| Phorate | | | | | | | | | |
| Pronamide | | | | | | | | | |
| Propionitrile | | | | | | | | | |
| Pyrene | | | | | | | | | |
| Safrole | | | | | | | | | |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total | | | | | | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Thionazin | | | | | | | | | |
| Tin, total | | | | | | | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | | | | | | | | | |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <8.0 | <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-8B

| Constituents | 5/9/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|
| 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 | <1 |
| Mercury, total | | | | | | |
| Methacrylonitrile | | | | | | |
| Methane | | | | 70.8 | 80.6 | 166.0 |
| Methapyrilene | | | | | | |
| Methoxychlor | | | | | | |
| Methyl iodide | | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | | | | | | |
| Methyl methanesulfonate | | | | | | |
| Methyl parathion | | | | | | |
| Methylene chloride | | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | | | | | |
| Nickel, total | | 7.1 | 6.7 | 8.0 | 6.8 | 5.8 |
| Nitrobenzene | | | | | | |
| N-nitrosodiethylamine | | | | | | |
| N-nitrosodimethylamine | | | | | | |
| N-nitrosodi-n-butylamine | | | | | | |
| N-nitroso-di-n-propylamine | | | | | | |
| N-nitrosodiphenylamine | | | | | | |
| N-nitrosomethylethylamine | | | | | | |
| N-nitrosopiperidine | | | | | | |
| N-nitrosopyrrolidine | | | | | | |
| O,o,o-triethyl phosphorothioate | | | | | | |
| O-toluidine | | | | | | |
| Parathion | | | | | | |
| P-dimethylaminoazobenzene | | | | | | |
| Pentachlorobenzene | | | | | | |
| Pentachloronitrobenzene (pcnb) | | | | | | |
| Pentachlorophenol | | | | | | |
| pH | | 7.0 | 6.6 | 6.6 | 6.7 | 6.5 |
| Phenacetin | | | | | | |
| Phenanthrene | | | | | | |
| Phenol | | | | | | |
| Phorate | | | | | | |
| Pronamide | | | | | | |
| Propionitrile | | | | | | |
| Pyrene | | | | | | |
| Safrole | | | | | | |
| Selenium, total | | <4 | <4 | <4 | <4 | <2 |
| Silver, total | | <4 | <4 | <4 | <4 | <5 |
| Solids, total suspended | | | | | | |
| Styrene | | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total | | | | | | |
| Tetrachloroethylene | | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| Thionazin | | | | | | |
| Tin, total | | | | | | |
| Toluene | | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | | | | | | |
| Trans-1,2-dichloroethylene | | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | | <20 | <20 | <20 | <20 | <2 |
| Vinyl acetate | | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | | <20.0 | <20.0 | <20.0 | <20.0 | 12.9 |

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

## Table 9

## Analytical Data Summary for MW-9AR

| Constituents | Units | 12/13/2017 | 3/12/2018<br>3/13/2018 | 6/6/2018<br>6/11/2018 | 9/10/2018 | 3/26/2019 | 9/16/2019 | 3/23/2020<br>3/24/2020 | 9/2/2020 | 3/8/2021 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | 2.1 | 2.1 | 1.6 | 1.9 | 1.7 | 1.5 | 1.5 | 1.4 | 1.4 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <5 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1.0 | 1.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,4-dichlorobenzene | ug/L | <1.0 | <1.0 | 1.4 | 1.4 | 1.2 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | 2.6 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Arsenic, total | ug/L | 13.9 | 5.0 | 11.3 | 10.9 | 14.1 | 10.5 | 18.3 | 6.4 | 13.7 |
| Barium, total | ug/L | 1630 | 983 | 1240 | 958 | 875 | 873 | 865 | 754 | 665 |
| Benzene | ug/L | 2.4 | 2.6 | 2.8 | 3.2 | 2.0 | 1.6 | 1.5 | 2.0 | 1.4 |
| Beryllium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Bicarbonate, as caco3 | mg/L | | | | | | | 758 | 822 | 796 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | ug/L | <.8 | <.8 | <2.0 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | <1.0 | <1.0 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | 1.7 | 1.5 | 4.4 | 4.7 | 4.3 | 5.5 | 3.8 | 5.9 | 3.6 |
| Chloroethane | ug/L | <1.0 | <1.0 | <1.0 | 2.6 | 1.2 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | ug/L | 120.0 | 94.3 | 58.1 | 69.2 | 58.1 | 82.7 | 70.1 | 83.9 | 99.0 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | 11.1 | 4.7 | 5.4 | 5.4 | 5.9 | 4.0 | 6.1 | 3.6 | 4.6 |
| Copper, total | ug/L | <4.0 | <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 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethane | ug/L | | | | | | | <10 | <10 | <8 |
| Ethene | ug/L | | | | | | | <10 | <10 | <8 |
| 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 |
| Methane | ug/L | | | | | | | 1940 | 1180 | 582 |
| 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 | 52.2 | 27.0 | 31.2 | 31.7 | 34.0 | 23.8 | 31.1 | 18.4 | 22.8 |
| pH | pH | | | | | | | 6.8 | 6.7 | 6.6 |
| Selenium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Silver, total | ug/L | <4 | <4 | <8 | <4 | <4 | <4 | <4 | <4 | <4 |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L | 6.8 | 86.4 | 4.2 | 5.3 | 3.3 | 4.5 | 4.3 | 5.8 | 4.4 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1.0 | 1.7 | 1.3 | 1.3 | 1.9 | <1.0 | 1.4 | 1.9 | 2.2 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | 19.7 | 31.5 | 39.2 | 50.7 | 24.7 | 27.6 | 30.4 | 33.5 | 24.4 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | <20.0 | 9.5 | <20.0 | 36.9 | <8.0 | <20.0 | <20.0 | <20.0 | <20.0 |

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

## Table 9

## Analytical Data Summary for MW-9AR

| Constituents | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | 1.4 | 1.3 | 1.2 | <1.0 | 1.5 | 1.3 | <1.0 | <1.0 | <1.0 |
| 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 | 1.0 | 1.4 | <1.0 | 1.3 | <1.0 | 1.1 | <1.0 | <1.0 | <1.0 |
| 1,4-dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 | <1.0 | <1.0 | <1.0 |
| 2-butanone (mek) | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | <2.0 | 4.9 | <2.0 | 5.0 | <2.0 | <2.0 | <2.0 | 4.7 | 3.6 |
| Arsenic, total | <4.0 | <4.0 | 4.4 | <4.0 | 4.1 | 7.0 | <4.0 | <4.0 | <2.0 |
| Barium, total | 569 | 178 | 655 | 148 | 523 | 653 | 444 | 118 | 335 |
| Benzene | 1.2 | <1.0 | 2.1 | <1.0 | 2.0 | 2.4 | 1.5 | <1.0 | <1.0 |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Bicarbonate, as caco3 | | 365 | | | 690 | 662 | 778 | 460 | 544 |
| 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 | 1.8 | 2.4 | 1.4 | 1.9 | 1.3 | 2.7 | 11.5 | 2.3 |
| Carbon disulfide | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 3.4 | <1.0 | 3.0 | <1.0 | 5.8 | 5.8 | 4.3 | <1.0 | 1.8 |
| Chloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 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 | <1 |
| Cis-1,2-dichloroethylene | 102.0 | 148.0 | 88.8 | 70.0 | 70.8 | 58.9 | 43.6 | 56.4 | 34.5 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | 5.6 | .5 | 6.5 | .6 | 4.1 | 4.3 | 3.4 | .4 | 1.0 |
| Copper, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 5.1 | <5.0 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethane | | | | | | | <5 | <5 | <5 |
| Ethene | | | | | | | <5 | <5 | <5 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <1 |
| Methane | | | | | | | 659 | 146 | 250 |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | 18.4 | 8.2 | 19.6 | 5.3 | 19.4 | 19.5 | 16.7 | <4.0 | 10.3 |
| pH | | 6.9 | | | 6.6 | 6.6 | 6.7 | 6.8 | 6.8 |
| Selenium, total | <4.0 | 23.4 | <4.0 | 19.5 | <4.0 | <4.0 | <4.0 | 23.1 | 5.1 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | 4.0 | 4.6 | 6.8 | 4.4 | 5.0 | 5.1 | 4.0 | 3.3 | 1.9 |
| 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 | 2.7 | 9.0 | 1.7 | 7.4 | 2.4 | 1.7 | 2.1 | 6.6 | 2.5 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | 24.1 | 1.4 | 39.3 | 1.2 | 32.8 | 45.1 | 28.2 | <1.0 | 8.2 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | 36.5 | 54.8 | <20.0 | 28.3 | 44.6 | 35.2 | 154.0 | 42.8 |

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

## Table 9

## Analytical Data Summary for SW-1

| Constituents | Units | 9/23/2014 9/24/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Barium, total | ug/L | 371 | 316 | 327 | 373 | 393 | 295 | 224 | 310 | 212 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Beryllium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Cis-1,2-dichloroethylene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Cobalt, total | ug/L | <.8 | <.8 | <.8 | <.8 | .8 | 1.1 | <2.0 | <.8 | <.8 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| Nickel, total | ug/L | 8.0 | 7.1 | 5.3 | 6.6 | 4.9 | 7.8 | 5.5 | 5.2 | <4.0 |
| Selenium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | 2 | 3 | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Thallium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <2 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 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 | <25 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 |
| Zinc, total | ug/L | <16.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | 11.7 | <8.0 |

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

## Table 9

## Analytical Data Summary for SW-1

| Constituents | 9/16/2019 | 11/20/2019 | 3/23/2020<br>3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 3/23/2023 | 3/10/2025<br>3/11/2025 |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <1 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <5 | | <5 | <5 | <5 | <5 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | |
| Arsenic, total | 10.7 * | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | |
| Barium, total | 388 | | 199 | 187 | 234 | 207 | 300 | 191 | |
| Benzene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | |
| Bromochloromethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.8 | | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | |
| Carbon disulfide | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | <8 | | <8 | <8 | <8 | <8 | <8 | <8 | |
| Cis-1,2-dichloroethylene | 1.2 | <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 | 2.9 | | <.8 | <.4 | .6 | .6 | .9 | <.4 | |
| Copper, total | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | |
| Dibromochloromethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | |
| Methyl iodide | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | 8.2 | | <4.0 | <4.0 | 8.6 | <4.0 | 4.8 | <4.0 | |
| Selenium, total | <4.0 | | <4.0 | <4.0 | 18.4 | <4.0 | 4.2 | <4.0 | |
| Silver, total | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | |
| Solids, total suspended | | | | | | | | | |
| Styrene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | |
| Toluene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | | <20 | <20 | <20 | <20 | <20 | <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 | 24.3 | <20.0 | |

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

## Table 9

## Analytical Data Summary for SW-101

| Constituents | Units | 9/23/2014 9/24/2014 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 |
|---|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | ug/L | | | <8 | | <8 | | | | |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | ug/L | | | <1 | | <1 | | | | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | <8 | | <8 | | | | |
| 1,2,4-trichlorobenzene | ug/L | | | <1 | | <1 | | | | |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | ug/L | | | <8 | | <8 | | | | |
| 1,3,5-trinitrobenzene | ug/L | | | <8 | | <8 | | | | |
| 1,3-dichlorobenzene | ug/L | | | <1 | | <1 | | | | |
| 1,3-dichloropropane | ug/L | | | <1 | | <1 | | | | |
| 1,3-dinitrobenzene | ug/L | | | <8 | | <8 | | | | |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | ug/L | | | <8 | | <8 | | | | |
| 1,4-phenylenediamine | ug/L | | | <8 | | <8 | | | | |
| 1-naphthylamine | ug/L | | | <8 | | <8 | | | | |
| 2,2-dichloropropane | ug/L | | | <1 | | <1 | | | | |
| 2,3,4,6-tetrachlorophenol | ug/L | | | <8 | | <8 | | | | |
| 2,4,5-t | ug/L | | | <.5 | | <.5 | | | | |
| 2,4,5-tp (silvex) | ug/L | | | <.5 | | <.5 | | | | |
| 2,4,5-trichlorophenol | ug/L | | | <8 | | <8 | | | | |
| 2,4,6-trichlorophenol | ug/L | | | <8 | | <8 | | | | |
| 2,4-d | ug/L | | | <2 | | <2 | | | | |
| 2,4-dichlorophenol | ug/L | | | <8 | | <8 | | | | |
| 2,4-dimethylphenol | ug/L | | | <8 | | <8 | | | | |
| 2,4-dinitrophenol | ug/L | | | <8 | | <8 | | | | |
| 2,4-dinitrotoluene | ug/L | | | <8 | | <8 | | | | |
| 2,6-dichlorophenol | ug/L | | | <8 | | <8 | | | | |
| 2,6-dinitrotoluene | ug/L | | | <8 | | <8 | | | | |
| 2-acetylaminofluorene | ug/L | | | <8 | | <8 | | | | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-chloronaphthalene | ug/L | | | <8 | | <8 | | | | |
| 2-chlorophenol | ug/L | | | <8 | | <8 | | | | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | ug/L | | | <8 | | <8 | | | | |
| 2-methylphenol | ug/L | | | <8 | | <8 | | | | |
| 2-naphthylamine | ug/L | | | <8 | | <8 | | | | |
| 2-nitroaniline | ug/L | | | <8 | | <8 | | | | |
| 2-nitrophenol | ug/L | | | <8 | | <8 | | | | |
| 3,3´-dichlorobenzidine | ug/L | | | <8 | | <8 | | | | |
| 3,3'-dimethylbenzidine | ug/L | | | <8 | | <8 | | | | |
| 3-methylcholanthrene | ug/L | | | <8 | | <8 | | | | |
| 3-nitroaniline | ug/L | | | <8 | | <8 | | | | |
| 4,4´-ddd | ug/L | | | <.05 | | <.05 | | | | |
| 4,4´-dde | ug/L | | | <.05 | | <.05 | | | | |
| 4,4´-ddt | ug/L | | | <.05 | | <.05 | | | | |
| 4,6-dinitro-2-methylphenol | ug/L | | | <8 | | <8 | | | | |
| 4-aminobiphenyl | ug/L | | | <8 | | <8 | | | | |
| 4-bromophenyl phenyl ether | ug/L | | | <8 | | <8 | | | | |
| 4-chloro-3-methylphenol | ug/L | | | <8 | | <8 | | | | |
| 4-chloroaniline | ug/L | | | <8 | | <8 | | | | |
| 4-chlorophenyl phenyl ether | ug/L | | | <8 | | <8 | | | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | ug/L | | | <8 | | <8 | | | | |
| 4-nitrophenol | ug/L | | | <8 | | <8 | | | | |
| 5-nitro-o-toluidine | ug/L | | | <8 | | <8 | | | | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | <8 | | <8 | | | | |
| Acenaphthene | ug/L | | | <8 | | <8 | | | | |
| Acenaphthylene | ug/L | | | <8 | | <8 | | | | |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 13.7 | <10.0 | <10.0 | <10.0 |
| Acetonitrile | ug/L | | | <10 | | <10 | | | | |
| Acetophenone | ug/L | | | <8 | | <8 | | | | |
| Acrolein | ug/L | | | <10 | | <10 | | | | |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | ug/L | | | <.05 | | <.05 | | | | |
| Allyl chloride | ug/L | | | <1 | | <1 | | | | |
| Alpha-bhc | ug/L | | | <.05 | | <.05 | | | | |

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

## Table 9

## Analytical Data Summary for SW-101

| Constituents | Units | 9/23/2014 9/24/2014 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 |
|---|---|---|---|---|---|---|---|---|---|---|
| Anthracene | ug/L | | | <8 | | <8 | | | | |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | <2 | | | | |
| Arochlor 1016 | ug/L | | | <.1 | | <.1 | | | | |
| Arochlor 1221 | ug/L | | | <.2 | | <.2 | | | | |
| Arochlor 1232 | ug/L | | | <.2 | | <.2 | | | | |
| Arochlor 1242 | ug/L | | | <.2 | | <.2 | | | | |
| Arochlor 1248 | ug/L | | | <.2 | | <.2 | | | | |
| Arochlor 1254 | ug/L | | | <.1 | | <.1 | | | | |
| Arochlor 1260 | ug/L | | | <.1 | | <.1 | | | | |
| Arsenic, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | 5.8 | | | | |
| Azobenzene | ug/L | | | <8 | | <8 | | | | |
| Barium, total | ug/L | 153 | 194 | 197 | 208 | 530 | | | | |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | ug/L | | | <8 | | <8 | | | | |
| Benzo(a)pyrene | ug/L | | | <8 | | <8 | | | | |
| Benzo(b)fluoranthene | ug/L | | | <8 | | <8 | | | | |
| Benzo(g,h,i)perylene | ug/L | | | <8 | | <8 | | | | |
| Benzo(k)fluoranthene | ug/L | | | <8 | | <8 | | | | |
| Benzyl alcohol | ug/L | | | <8 | | <8 | | | | |
| Beryllium, total | ug/L | <4 | <4 | <4 | <4 | <4 | | | | |
| Beta-bhc | ug/L | | | <.05 | | <.05 | | | | |
| Bis (2-chloroethoxy) methane | ug/L | | | <8 | | <8 | | | | |
| Bis(2-chloroethyl) ether | ug/L | | | <8 | | <8 | | | | |
| Bis(2-chloroisopropyl) ether | ug/L | | | <8 | | <8 | | | | |
| Bis(2-ethylhexyl) phthalate | ug/L | | | <8 | | 25 | | | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | ug/L | | | <8 | | <8 | | | | |
| Cadmium, total | ug/L | <.8 | 1.6 | <.8 | <.8 | .8 | | | | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | ug/L | | | <.1 | | <.1 | | | | |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzilate | ug/L | | | <8 | | <8 | | | | |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | ug/L | | | <1 | | <1 | | | | |
| Chromium, total | ug/L | <8 | <8 | <8 | <8 | <8 | | | | |
| Chrysene | ug/L | | | <8 | | <8 | | | | |
| Cis-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | <.8 | .9 | <.8 | <.8 | 2.8 | | | | |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | | | | |
| Cyanide, total | mg/L | | | <.005 | | <.005 | | | | |
| Delta-bhc | ug/L | | | <.05 | | <.05 | | | | |
| Diallate | ug/L | | | <8 | | <8 | | | | |
| Dibenzo(a,h)anthracene | ug/L | | | <8 | | <8 | | | | |
| Dibenzofuran | ug/L | | | <8 | | <8 | | | | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | | | <1 | | <1 | | | | |
| Dieldrin | ug/L | | | <.05 | | <.05 | | | | |
| Diethyl phthalate | ug/L | | | <8 | | <8 | | | | |
| Dimethoate | ug/L | | | <.4 | | <.4 | | | | |
| Dimethylphthalate | ug/L | | | <8 | | <8 | | | | |
| Di-n-butyl phthalate | ug/L | | | <8 | | <8 | | | | |
| Di-n-octyl phthalate | ug/L | | | <8 | | <8 | | | | |
| Dinoseb | ug/L | | | <.5 | | <.5 | | | | |
| Diphenylamine | ug/L | | | <8 | | <8 | | | | |
| Disulfoton | ug/L | | | <.4 | | <.4 | | | | |
| Endosulfan i | ug/L | | | <.05 | | <.05 | | | | |
| Endosulfan ii | ug/L | | | <.05 | | <.05 | | | | |
| Endosulfan sulfate | ug/L | | | <.05 | | <.05 | | | | |
| Endrin | ug/L | | | <.05 | | <.05 | | | | |
| Endrin aldehyde | ug/L | | | <.05 | | <.05 | | | | |
| Ethyl methacrylate | ug/L | | | <10 | | <10 | | | | |
| Ethyl methanesulfonate | ug/L | | | <8 | | <8 | | | | |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | ug/L | | | <.4 | | <.4 | | | | |
| Fluoranthene | ug/L | | | <8 | | <8 | | | | |
| Fluorene | ug/L | | | <8 | | <8 | | | | |
| Gamma-bhc (lindane) | ug/L | | | <.05 | | <.05 | | | | |
| Heptachlor | ug/L | | | <.05 | | <.05 | | | | |

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

## Table 9

## Analytical Data Summary for SW-101

| Constituents | Units | 9/23/2014 9/24/2014 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 |
|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | ug/L | | | <.05 | | <.05 | | | | |
| Hexachlorobenzene | ug/L | | | <.05 | | <.05 | | | | |
| Hexachlorobutadiene | ug/L | | | <8 | | <8 | | | | |
| Hexachlorocyclopentadiene | ug/L | | | <8 | | <8 | | | | |
| Hexachloroethane | ug/L | | | <8 | | <8 | | | | |
| Hexachloropropene | ug/L | | | <8 | | <8 | | | | |
| Indeno(1,2,3-cd)pyrene | ug/L | | | <8 | | <8 | | | | |
| Isobutanol | mg/L | | | <1 | | <1 | | | | |
| Isodrin | ug/L | | | <8 | | <8 | | | | |
| Isophorone | ug/L | | | <8 | | <8 | | | | |
| Isosafrole | ug/L | | | <8 | | <8 | | | | |
| Kepone | ug/L | | | <8 | | <8 | | | | |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | | | | |
| Mercury, total | ug/L | | | <.5 | | <.5 | | | | |
| Methacrylonitrile | ug/L | | | <1 | | <1 | | | | |
| Methapyrilene | ug/L | | | <8 | | <8 | | | | |
| Methoxychlor | ug/L | | | <.05 | | <.05 | | | | |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | ug/L | | | <1 | | <1 | | | | |
| Methyl methanesulfonate | ug/L | | | <8 | | <8 | | | | |
| Methyl parathion | ug/L | | | <.4 | | <.4 | | | | |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | ug/L | | | <8 | | <8 | | | | |
| Nickel, total | ug/L | 7.8 | 15.1 | 15.3 | 12.4 | 21.6 | | | | |
| Nitrobenzene | ug/L | | | <8 | | <8 | | | | |
| N-nitrosodiethylamine | ug/L | | | <8 | | <8 | | | | |
| N-nitrosodimethylamine | ug/L | | | <8 | | <8 | | | | |
| N-nitrosodi-n-butylamine | ug/L | | | <8 | | <8 | | | | |
| N-nitroso-di-n-propylamine | ug/L | | | <8 | | <8 | | | | |
| N-nitrosodiphenylamine | ug/L | | | <8 | | <8 | | | | |
| N-nitrosomethylethylamine | ug/L | | | <8 | | <8 | | | | |
| N-nitrosopiperidine | ug/L | | | <8 | | <8 | | | | |
| N-nitrosopyrrolidine | ug/L | | | <8 | | <8 | | | | |
| O,o,o-triethyl phosphorothioate | ug/L | | | <.4 | | <.4 | | | | |
| O-toluidine | ug/L | | | <8 | | <8 | | | | |
| Parathion | ug/L | | | <.4 | | <.4 | | | | |
| P-dimethylaminoazobenzene | ug/L | | | <8 | | <8 | | | | |
| Pentachlorobenzene | ug/L | | | <8 | | <8 | | | | |
| Pentachloronitrobenzene (pcnb) | ug/L | | | <8 | | <8 | | | | |
| Pentachlorophenol | ug/L | | | <8 | | <8 | | | | |
| Phenacetin | ug/L | | | <8 | | <8 | | | | |
| Phenanthrene | ug/L | | | <8 | | <8 | | | | |
| Phenol | ug/L | | | <8 | | <8 | | | | |
| Phorate | ug/L | | | <.4 | | <.4 | | | | |
| Pronamide | ug/L | | | <8 | | <8 | | | | |
| Propionitrile | ug/L | | | <10 | | <10 | | | | |
| Pyrene | ug/L | | | <8 | | <8 | | | | |
| Safrole | ug/L | | | <8 | | <8 | | | | |
| Selenium, total | ug/L | <4.0 | 6.5 | 37.6 | 18.7 | 8.2 | | | | |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | | | | |
| Solids, total suspended | mg/L | 143 | | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total | mg/L | | | <.1 | | <.1 | | | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <4 | <4 | <4 | <4 | <4 | | | | |
| Thionazin | ug/L | | | <.4 | | <.4 | | | | |
| Tin, total | ug/L | | | <20 | | <20 | | | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | ug/L | | | <.2 | | <.2 | | | | |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | <20 | | | | |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | <16.0 | 11.2 | <8.0 | <8.0 | 11.3 | | | | |

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

## Table 9

## Analytical Data Summary for SW-102

| Constituents | Units | 9/23/2014 9/24/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 5/10/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | <10.0 | | <10.0 | <10.0 | 12.3 | <10.0 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 |
| Antimony, total | ug/L | <2 | <2 | <2 | <2 | | | | | |
| Arsenic, total | ug/L | <4 | <4 | <4 | <4 | | | | | |
| Barium, total | ug/L | 173 | 165 | 190 | 163 | | | | | |
| Benzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Beryllium, total | ug/L | <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 | | | | | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chromium, total | ug/L | <8 | <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 | 1.7 | <.8 | 2.1 | <.8 | | | | | |
| Copper, total | ug/L | <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 | | | | | |
| 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 | 14.9 | 10.7 | 15.4 | 9.8 | | | | | |
| Selenium, total | ug/L | <4.0 | <4.0 | 4.0 | 18.4 | 18.6 | | | | |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | | | | | |
| Solids, total suspended | mg/L | 24 | <2 | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | <4 | <4 | <4 | <4 | | | | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | <20 | <20 | <20 | <20 | | | | | |
| 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 | 32.3 | <8.0 | 11.9 | <8.0 | | | | | |

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

## Table 9

## Analytical Data Summary for SW-102

| Constituents | 9/10/2018 | 3/26/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 |
|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Antimony, total | | | | | | | | | |
| Arsenic, total | | | | | | | | | |
| Barium, total | | | | | | | | | |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | | | | | | | | | |
| 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 | | | | | | | | | |
| 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 | | | | | | | | | |
| 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 | | | | | | | | | |
| 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 | | | | | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | | | | | | | | | |
| Selenium, total | | | | | | | | | |
| Silver, total | | | | | | | | | |
| Solids, total suspended | | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | | | | | | | | | |
| 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 | | | | | | | | | |
| 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 | | | | | | | | | |

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

## Table 9

## Analytical Data Summary for SW-102

| Constituents | 3/23/2023 | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <10 | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | | | | | |
| Arsenic, total | | | | | |
| Barium, total | | | | | |
| Benzene | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | | | | | |
| 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 | | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | | | | | |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | | | | | |
| Copper, total | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 |
| Lead, total | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | | | | | |
| Selenium, total | | | | | |
| Silver, total | | | | | |
| Solids, total suspended | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | | | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | | | | | |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | | | | | |

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

## Table 9

## Analytical Data Summary for SW-103

| Constituents | Units | 9/23/2014 9/24/2014 | 12/2/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 5/10/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 |
|---|---|---|---|---|---|---|---|---|---|---|
| (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 | ug/L | | | | | <8 | | | | |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,4-naphthoquinone | ug/L | | | | | <8 | | | | |
| 1,4-phenylenediamine | ug/L | | | | | <8 | | | | |
| 1-naphthylamine | ug/L | | | | | <8 | | | | |
| 2,2-dichloropropane | ug/L | | | | | <1 | | | | |
| 2,3,4,6-tetrachlorophenol | ug/L | | | | | <8 | | | | |
| 2,4,5-t | ug/L | | | | | <.5 | | | | |
| 2,4,5-tp (silvex) | ug/L | | | | | <.5 | | | | |
| 2,4,5-trichlorophenol | ug/L | | | | | <8 | | | | |
| 2,4,6-trichlorophenol | ug/L | | | | | <8 | | | | |
| 2,4-d | ug/L | | | | | <2 | | | | |
| 2,4-dichlorophenol | ug/L | | | | | <8 | | | | |
| 2,4-dimethylphenol | ug/L | | | | | <8 | | | | |
| 2,4-dinitrophenol | ug/L | | | | | <8 | | | | |
| 2,4-dinitrotoluene | ug/L | | | | | <8 | | | | |
| 2,6-dichlorophenol | ug/L | | | | | <8 | | | | |
| 2,6-dinitrotoluene | ug/L | | | | | <8 | | | | |
| 2-acetylaminofluorene | ug/L | | | | | <8 | | | | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| 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 | | | | | <8 | | | | |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | | <10.0 | <10.0 | 16.6 |
| 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 | | | | |
| 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 SW-103

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

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

## Table 9

## Analytical Data Summary for SW-103

| Constituents | Units | 9/23/2014 9/24/2014 | 12/2/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 5/10/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 |
|---|---|---|---|---|---|---|---|---|---|---|
| Anthracene | ug/L | | | | | <8 | | | | |
| Antimony, total | ug/L | | | | <2 | <2 | | | | |
| Arochlor 1016 | ug/L | | | | | <.1 | | | | |
| Arochlor 1221 | ug/L | | | | | <.2 | | | | |
| Arochlor 1232 | ug/L | | | | | <.2 | | | | |
| Arochlor 1242 | ug/L | | | | | <.2 | | | | |
| Arochlor 1248 | ug/L | | | | | <.2 | | | | |
| Arochlor 1254 | ug/L | | | | | <.1 | | | | |
| Arochlor 1260 | ug/L | | | | | <.1 | | | | |
| Arsenic, total | ug/L | | | | <4 | <4 | | | | |
| Azobenzene | ug/L | | | | | <8 | | | | |
| Barium, total | ug/L | | | | 329 | 466 | | | | |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Benzo(a)anthracene | ug/L | | | | | <8 | | | | |
| Benzo(a)pyrene | ug/L | | | | | <8 | | | | |
| Benzo(b)fluoranthene | ug/L | | | | | <8 | | | | |
| Benzo(g,h,i)perylene | ug/L | | | | | <8 | | | | |
| Benzo(k)fluoranthene | ug/L | | | | | <8 | | | | |
| Benzyl alcohol | ug/L | | | | | <8 | | | | |
| Beryllium, total | ug/L | | | | <4 | <4 | | | | |
| Beta-bhc | ug/L | | | | | <.05 | | | | |
| Bis (2-chloroethoxy) methane | ug/L | | | | | <8 | | | | |
| Bis(2-chloroethyl) ether | ug/L | | | | | <8 | | | | |
| Bis(2-chloroisopropyl) ether | ug/L | | | | | <8 | | | | |
| Bis(2-ethylhexyl) phthalate | ug/L | | | | | <8 | | | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 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 | | | | |
| 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 | | | | |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chlorobenzilate | ug/L | | | | | <8 | | | | |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chloroprene | ug/L | | | | | <1 | | | | |
| Chromium, total | ug/L | | | | <8 | <8 | | | | |
| Chrysene | ug/L | | | | | <8 | | | | |
| Cis-1,2-dichloroethylene | ug/L | 1.0 | 6.8 | 1.0 | <1.0 | 25.2 | 6.6 | <1.0 | 1.7 | 2.2 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Cobalt, total | ug/L | | | | <.8 | 2.1 | | | | |
| Copper, total | ug/L | | | | <4 | <4 | | | | |
| Cyanide, total | mg/L | | | | | <.005 | | | | |
| Delta-bhc | ug/L | | | | | <.05 | | | | |
| Diallate | ug/L | | | | | <8 | | | | |
| Dibenzo(a,h)anthracene | ug/L | | | | | <8 | | | | |
| Dibenzofuran | ug/L | | | | | <8 | | | | |
| Dibromochloromethane | ug/L | <1 | <1 | <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 | ug/L | | | | | <8 | | | | |
| Di-n-butyl phthalate | ug/L | | | | | <8 | | | | |
| Di-n-octyl phthalate | ug/L | | | | | <8 | | | | |
| Dinoseb | ug/L | | | | | <.5 | | | | |
| Diphenylamine | ug/L | | | | | <8 | | | | |
| Disulfoton | ug/L | | | | | <.4 | | | | |
| Endosulfan i | ug/L | | | | | <.05 | | | | |
| Endosulfan ii | ug/L | | | | | <.05 | | | | |
| Endosulfan sulfate | ug/L | | | | | <.05 | | | | |
| Endrin | ug/L | | | | | <.05 | | | | |
| Endrin aldehyde | ug/L | | | | | <.05 | | | | |
| Ethyl methacrylate | ug/L | | | | | <10 | | | | |
| Ethyl methanesulfonate | ug/L | | | | | <8 | | | | |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Famphur | ug/L | | | | | <.4 | | | | |
| Fluoranthene | ug/L | | | | | <8 | | | | |
| Fluorene | ug/L | | | | | <8 | | | | |
| Gamma-bhc (lindane) | ug/L | | | | | <.05 | | | | |
| Heptachlor | ug/L | | | | | <.05 | | | | |

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

## Table 9

## Analytical Data Summary for SW-103

| Constituents | 3/12/2018<br>3/13/2018 |
|---|---|
| Anthracene | |
| Antimony, total | |
| Arochlor 1016 | |
| Arochlor 1221 | |
| Arochlor 1232 | |
| Arochlor 1242 | |
| Arochlor 1248 | |
| Arochlor 1254 | |
| Arochlor 1260 | |
| Arsenic, total | |
| Azobenzene | |
| Barium, total | |
| Benzene | <1 |
| Benzo(a)anthracene | |
| Benzo(a)pyrene | |
| Benzo(b)fluoranthene | |
| Benzo(g,h,i)perylene | |
| Benzo(k)fluoranthene | |
| Benzyl alcohol | |
| Beryllium, total | |
| Beta-bhc | |
| Bis (2-chloroethoxy) methane | |
| Bis(2-chloroethyl) ether | |
| Bis(2-chloroisopropyl) ether | |
| Bis(2-ethylhexyl) phthalate | |
| Bromochloromethane | <1 |
| Bromodichloromethane | <1 |
| Bromoform | <1 |
| Bromomethane | <1 |
| Butyl benzyl phthalate | |
| Cadmium, total | |
| Carbon disulfide | <1 |
| Carbon tetrachloride | <1 |
| Chlordane | |
| Chlorobenzene | <1 |
| Chlorobenzilate | |
| Chloroethane | <1 |
| Chloroform | <1 |
| Chloromethane | <1 |
| Chloroprene | |
| Chromium, total | |
| Chrysene | |
| Cis-1,2-dichloroethylene | 4.5 |
| Cis-1,3-dichloropropene | <1 |
| Cobalt, total | |
| Copper, total | |
| Cyanide, total | |
| Delta-bhc | |
| Diallate | |
| Dibenzo(a,h)anthracene | |
| Dibenzofuran | |
| Dibromochloromethane | <1 |
| Dibromomethane | <1 |
| Dichlorodifluoromethane | |
| Dieldrin | |
| Diethyl phthalate | |
| Dimethoate | |
| Dimethylphthalate | |
| Di-n-butyl phthalate | |
| Di-n-octyl phthalate | |
| Dinoseb | |
| Diphenylamine | |
| Disulfoton | |
| Endosulfan i | |
| Endosulfan ii | |
| Endosulfan sulfate | |
| Endrin | |
| Endrin aldehyde | |
| Ethyl methacrylate | |
| Ethyl methanesulfonate | |
| Ethylbenzene | <1 |
| Famphur | |
| Fluoranthene | |
| Fluorene | |
| Gamma-bhc (lindane) | |
| Heptachlor | |

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

## Table 9

## Analytical Data Summary for SW-103

| Constituents | Units | 9/23/2014 9/24/2014 | 12/2/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 5/10/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 9/14/2017 |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | | |
| Isosafrole | ug/L | | | | | <8 | | | | |
| Kepone | ug/L | | | | | <8 | | | | |
| Lead, total | ug/L | | | | <4 | <4 | | | | |
| Mercury, total | ug/L | | | | | <.5 | | | | |
| Methacrylonitrile | ug/L | | | | | <1 | | | | |
| Methapyrilene | ug/L | | | | | <8 | | | | |
| Methoxychlor | ug/L | | | | | <.05 | | | | |
| Methyl iodide | ug/L | <1 | <1 | <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 | | | | 4.1 | 11.7 | | | | |
| Nitrobenzene | ug/L | | | | | <8 | | | | |
| N-nitrosodiethylamine | ug/L | | | | | <8 | | | | |
| N-nitrosodimethylamine | ug/L | | | | | <8 | | | | |
| N-nitrosodi-n-butylamine | ug/L | | | | | <8 | | | | |
| N-nitroso-di-n-propylamine | ug/L | | | | | <8 | | | | |
| N-nitrosodiphenylamine | ug/L | | | | | <8 | | | | |
| N-nitrosomethylethylamine | ug/L | | | | | <8 | | | | |
| N-nitrosopiperidine | ug/L | | | | | <8 | | | | |
| N-nitrosopyrrolidine | ug/L | | | | | <8 | | | | |
| O,o,o-triethyl phosphorothioate | ug/L | | | | | <.4 | | | | |
| O-toluidine | ug/L | | | | | <8 | | | | |
| Parathion | ug/L | | | | | <.4 | | | | |
| P-dimethylaminoazobenzene | ug/L | | | | | <8 | | | | |
| Pentachlorobenzene | ug/L | | | | | <8 | | | | |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | | <8 | | | | |
| Pentachlorophenol | ug/L | | | | | <8 | | | | |
| Phenacetin | ug/L | | | | | <8 | | | | |
| Phenanthrene | ug/L | | | | | <8 | | | | |
| Phenol | ug/L | | | | | <8 | | | | |
| Phorate | ug/L | | | | | <.4 | | | | |
| Pronamide | ug/L | | | | | <8 | | | | |
| Propionitrile | ug/L | | | | | <10 | | | | |
| Pyrene | ug/L | | | | | <8 | | | | |
| Safrole | ug/L | | | | | <8 | | | | |
| Selenium, total | ug/L | | | | <4 | <4 | | | | |
| Silver, total | ug/L | | | | <4 | <4 | | | | |
| Solids, total suspended | mg/L | | | 6 | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Sulfide, total | mg/L | | | | | <.1 | | | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Thallium, total | ug/L | | | | <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 | | | | |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1.0 | 11.5 | <1.0 | <1.0 | 10.7 | <1.0 | <1.0 | 1.6 | 5.4 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| Zinc, total | ug/L | | | | 19.4 | 16.9 | | | | |

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

## Table 9

## Analytical Data Summary for SW-103

| Constituents | 3/12/2018 3/13/2018 |
|---|---|
| Heptachlor epoxide | |
| Hexachlorobenzene | |
| Hexachlorobutadiene | |
| Hexachlorocyclopentadiene | |
| Hexachloroethane | |
| Hexachloropropene | |
| Indeno(1,2,3-cd)pyrene | |
| Isobutanol | |
| Isodrin | |
| Isophorone | |
| Isosafrole | |
| Kepone | |
| Lead, total | |
| Mercury, total | |
| Methacrylonitrile | |
| Methapyrilene | |
| Methoxychlor | |
| Methyl iodide | <1 |
| Methyl methacrylate | |
| Methyl methanesulfonate | |
| Methyl parathion | |
| Methylene chloride | <5 |
| Naphthalene | |
| Nickel, total | |
| Nitrobenzene | |
| N-nitrosodiethylamine | |
| N-nitrosodimethylamine | |
| N-nitrosodi-n-butylamine | |
| N-nitroso-di-n-propylamine | |
| N-nitrosodiphenylamine | |
| N-nitrosomethylethylamine | |
| N-nitrosopiperidine | |
| N-nitrosopyrrolidine | |
| O,o,o-triethyl phosphorothioate | |
| O-toluidine | |
| Parathion | |
| P-dimethylaminoazobenzene | |
| Pentachlorobenzene | |
| Pentachloronitrobenzene (pcnb) | |
| Pentachlorophenol | |
| Phenacetin | |
| Phenanthrene | |
| Phenol | |
| Phorate | |
| Pronamide | |
| Propionitrile | |
| Pyrene | |
| Safrole | |
| Selenium, total | |
| Silver, total | |
| Solids, total suspended | |
| Styrene | <1 |
| Sulfide, total | |
| Tetrachloroethylene | <1 |
| Thallium, total | |
| Thionazin | |
| Tin, total | |
| Toluene | <1 |
| Toxaphene | |
| Trans-1,2-dichloroethylene | <1 |
| Trans-1,3-dichloropropene | <1 |
| Trans-1,4-dichloro-2-butene | <5 |
| Trichloroethylene | <1 |
| Trichlorofluoromethane | <1 |
| Vanadium, total | |
| Vinyl acetate | <5 |
| Vinyl chloride | 3.2 |
| Xylenes, total | <2 |
| Zinc, total | |

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

## Table 9

### Analytical Data Summary for SW-104

| Constituents | Units | 9/23/2014 9/24/2014 |
|---|---|---|
| 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 | <1 |
| 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 | <5 |
| 2-hexanone (mbk) | ug/L | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 |
| Acetone | ug/L | <10 |
| Acrylonitrile | ug/L | <5 |
| Benzene | ug/L | <1 |
| Bromochloromethane | ug/L | <1 |
| Bromodichloromethane | ug/L | <1 |
| Bromoform | ug/L | <1 |
| Bromomethane | ug/L | <1 |
| 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 |
| Cis-1,2-dichloroethylene | ug/L | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 |
| Dibromochloromethane | ug/L | <1 |
| Dibromomethane | ug/L | <1 |
| Ethylbenzene | ug/L | <1 |
| Methyl iodide | ug/L | <1 |
| Methylene chloride | ug/L | <5 |
| Styrene | ug/L | <1 |
| Tetrachloroethylene | ug/L | <1 |
| 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 |
| Vinyl acetate | ug/L | <5 |
| Vinyl chloride | ug/L | <1 |
| Xylenes, total | ug/L | <2 |

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

## Table 9

### Analytical Data Summary for SW-105

| Constituents | Units | 9/23/2014 9/24/2014 |
|---|---|---|
| 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 | <1 |
| 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 | <5 |
| 2-hexanone (mbk) | ug/L | <5 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 |
| Acetone | ug/L | <10 |
| Acrylonitrile | ug/L | <5 |
| Benzene | ug/L | <1 |
| Bromochloromethane | ug/L | <1 |
| Bromodichloromethane | ug/L | <1 |
| Bromoform | ug/L | <1 |
| Bromomethane | ug/L | <1 |
| 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 |
| Cis-1,2-dichloroethylene | ug/L | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 |
| Dibromochloromethane | ug/L | <1 |
| Dibromomethane | ug/L | <1 |
| Ethylbenzene | ug/L | <1 |
| Methyl iodide | ug/L | <1 |
| Methylene chloride | ug/L | <5 |
| Styrene | ug/L | <1 |
| Tetrachloroethylene | ug/L | <1 |
| 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 |
| Vinyl acetate | ug/L | <5 |
| Vinyl chloride | ug/L | <1 |
| Xylenes, total | ug/L | <2 |

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

## Table 9

## Analytical Data Summary for SW-106

| Constituents | Units | 9/23/2014<br>9/24/2014 | 3/18/2015<br>3/19/2015 | 8/27/2015<br>9/2/2015 | 3/3/2016<br>3/4/2016 | 5/10/2016 | 9/20/2016<br>9/21/2016 |
|---|---|---|---|---|---|---|---|
| 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 |
| 1,2-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 | <5 | <5 | <5 | <5 | | <5 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | | <1 |
| 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 |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | | <1 |
| Chlorobenzene | ug/L | <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 |
| Cis-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | 1 | <1 | <1 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | | <1 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | | <1 |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | | <1 |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | | <5 |
| Solids, total suspended | mg/L | | 5 | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | | <1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | | <1 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | | <1 |
| 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 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | | <5 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | | <2 |

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

## Table 9

## Analytical Data Summary for SW-2B

| Constituents | Units | 9/23/2014 9/24/2014 | 3/18/2015 3/19/2015 | 8/27/2015 9/2/2015 | 3/3/2016 3/4/2016 | 9/20/2016 9/21/2016 | 3/9/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 1,4-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| 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 | 229 | 226 | 233 | 238 | 249 | 205 | 227 | 289 | 426 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Beryllium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Cadmium, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 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 | <5 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Cobalt, total | ug/L | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <2.0 | <.8 | <.8 |
| Copper, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Lead, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| Nickel, total | ug/L | 4.1 | 4.3 | <4.0 | <4.0 | <4.0 | 4.4 | 5.4 | 6.0 | 6.3 |
| Selenium, total | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 7.4 |
| Silver, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Solids, total suspended | mg/L | <4 | <2 | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Thallium, total | ug/L | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <2 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| 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 | <25 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 |
| Zinc, total | ug/L | <16.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | 10.4 | 26.0 |

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

## Table 9

## Analytical Data Summary for SW-2B

| Constituents | 6/5/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 6/3/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | | <1 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | | <5 | <5 | | <5 | <5 | <5 | <10 | <10 | <10 |
| 2-hexanone (mbk) | | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 |
| Acrylonitrile | | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 |
| Arsenic, total | | <4 | <4 | | <4 | <4 | 4 | <4 | | <4 |
| Barium, total | | 238 | 232 | | 208 | 194 | 224 | 209 | | 197 |
| Benzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Beryllium, total | | <4 | <4 | | <4 | <4 | <4 | <4 | | <4 |
| Bromochloromethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | | <.8 | <.8 | | <.8 | <.8 | <.8 | <.8 | | <.8 |
| Carbon disulfide | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | | <8 | <8 | | <8 | <8 | <8 | <8 | | <8 |
| Cis-1,2-dichloroethylene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | | <.8 | <.8 | | <.4 | <.4 | .5 | .7 | | <.4 |
| Copper, total | | <4 | <4 | | <4 | <4 | <4 | <4 | | <4 |
| Dibromochloromethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | | <4 | <4 | | <4 | <4 | <4 | <4 | | <4 |
| Methyl iodide | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | | 5.8 | 4.4 | | <4.0 | <4.0 | 4.7 | 4.6 | | <4.0 |
| Selenium, total | <4.0 | <4.0 | 4.8 | <4.0 | <4.0 | 7.1 | <4.0 | 5.1 | | 4.0 |
| Silver, total | | <4 | <4 | | <4 | <4 | <4 | <4 | | <4 |
| Solids, total suspended | | | | | | | | | | |
| Styrene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 |
| Toluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | | <20 | <20 | | <20 | <20 | <20 | <20 | | <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 |

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

## Table 9

## Analytical Data Summary for SW-2B

| Constituents | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 |
| 2-butanone (mek) | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 |
| Acetone | <10 | <10 | <10 | <10 |
| Acrylonitrile | <5 | <5 | <5 | <5 |
| Antimony, total | | | | |
| Arsenic, total | | | | |
| Barium, total | | | | |
| Benzene | <1 | <1 | <1 | <1 |
| Beryllium, total | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 |
| Cadmium, total | | | | |
| Carbon disulfide | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 |
| Chromium, total | | | | |
| Cis-1,2-dichloroethylene | <1 | <1 | <1 | <1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Cobalt, total | | | | |
| Copper, total | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 |
| Lead, total | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 |
| Nickel, total | | | | |
| Selenium, total | | | | |
| Silver, total | | | | |
| Solids, total suspended | | | | |
| Styrene | <1 | <1 | <1 | <1 |
| Tetrachloroethylene | <1 | <1 | <1 | <1 |
| Thallium, total | | | | |
| 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 | | | | |
| Vinyl acetate | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 |
| Xylenes, total | <2 | <2 | <2 | <2 |
| Zinc, total | | | | |

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

## Table 9

## Analytical Data Summary for TILE 1

| Constituents | Units | 9/20/2016 9/21/2016 | 11/9/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 | 6/5/2019 | 7/17/2019 |
|---|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | ug/L | | | | | | | | | |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,1-dichloropropene | ug/L | | | | | | | | | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | | | | | | | |
| 1,2,4-trichlorobenzene | ug/L | | | | | | | | | |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,2-dinitrobenzene | ug/L | | | | | | | | | |
| 1,3,5-trinitrobenzene | ug/L | | | | | | | | | |
| 1,3-dichlorobenzene | ug/L | | | | | | | | | |
| 1,3-dichloropropane | ug/L | | | | | | | | | |
| 1,3-dinitrobenzene | ug/L | | | | | | | | | |
| 1,4-dichlorobenzene | ug/L | 1.3 | 1.8 | 2.6 | 4.5 | 5.6 | 1.7 | 1.8 | <1.0 | |
| 1,4-naphthoquinone | ug/L | | | | | | | | | |
| 1,4-phenylenediamine | ug/L | | | | | | | | | |
| 1-naphthylamine | ug/L | | | | | | | | | |
| 2,2-dichloropropane | ug/L | | | | | | | | | |
| 2,3,4,6-tetrachlorophenol | ug/L | | | | | | | | | |
| 2,4,5-t | ug/L | | | | | | | | | |
| 2,4,5-tp (silvex) | ug/L | | | | | | | | | |
| 2,4,5-trichlorophenol | ug/L | | | | | | | | | |
| 2,4,6-trichlorophenol | ug/L | | | | | | | | | |
| 2,4-d | ug/L | | | | | | | | | |
| 2,4-dichlorophenol | ug/L | | | | | | | | | |
| 2,4-dimethylphenol | ug/L | | | | | | | | | |
| 2,4-dinitrophenol | ug/L | | | | | | | | | |
| 2,4-dinitrotoluene | ug/L | | | | | | | | | |
| 2,6-dichlorophenol | ug/L | | | | | | | | | |
| 2,6-dinitrotoluene | ug/L | | | | | | | | | |
| 2-acetylaminofluorene | ug/L | | | | | | | | | |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 2-chloronaphthalene | ug/L | | | | | | | | | |
| 2-chlorophenol | ug/L | | | | | | | | | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 2-methylnaphthalene | ug/L | | | | | | | | | |
| 2-methylphenol | ug/L | | | | | | | | | |
| 2-naphthylamine | ug/L | | | | | | | | | |
| 2-nitroaniline | ug/L | | | | | | | | | |
| 2-nitrophenol | ug/L | | | | | | | | | |
| 3,3´-dichlorobenzidine | ug/L | | | | | | | | | |
| 3,3'-dimethylbenzidine | ug/L | | | | | | | | | |
| 3-methylcholanthrene | ug/L | | | | | | | | | |
| 3-nitroaniline | ug/L | | | | | | | | | |
| 4,4´-ddd | ug/L | | | | | | | | | |
| 4,4´-dde | ug/L | | | | | | | | | |
| 4,4´-ddt | ug/L | | | | | | | | | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | | | | | | |
| 4-aminobiphenyl | ug/L | | | | | | | | | |
| 4-bromophenyl phenyl ether | ug/L | | | | | | | | | |
| 4-chloro-3-methylphenol | ug/L | | | | | | | | | |
| 4-chloroaniline | ug/L | | | | | | | | | |
| 4-chlorophenyl phenyl ether | ug/L | | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| 4-nitroaniline | ug/L | | | | | | | | | |
| 4-nitrophenol | ug/L | | | | | | | | | |
| 5-nitro-o-toluidine | ug/L | | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | | | | | | |
| Acenaphthene | ug/L | | | | | | | | | |
| Acenaphthylene | ug/L | | | | | | | | | |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | 18.1 | <10.0 | <10.0 | <10.0 | <10.0 | |
| Acetonitrile | ug/L | | | | | | | | | |
| Acetophenone | ug/L | | | | | | | | | |
| Acrolein | ug/L | | | | | | | | | |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Aldrin | ug/L | | | | | | | | | |
| Allyl chloride | ug/L | | | | | | | | | |
| Alpha-bhc | ug/L | | | | | | | | | |

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

## Table 9

## Analytical Data Summary for TILE 1

| Constituents | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 |
|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | | | <8 | | <8 | | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | | | <1 | | <1 | | | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | <8 | | <8 | | | |
| 1,2,4-trichlorobenzene | | | | <1 | | <1 | | | |
| 1,2-dibromo-3-chloropropane | <1 | <5 | <5 | <1 | <5 | <1 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | | | <8 | | <8 | | | |
| 1,3,5-trinitrobenzene | | | | <8 | | <8 | | | |
| 1,3-dichlorobenzene | | | | <1 | | <1 | | | |
| 1,3-dichloropropane | | | | <1 | | <1 | | | |
| 1,3-dinitrobenzene | | | | <8 | | <8 | | | |
| 1,4-dichlorobenzene | <1.0 | 1.8 | 3.7 | 1.6 | 2.5 | 1.4 | 2.3 | 1.6 | 4.5 |
| 1,4-naphthoquinone | | | | <8 | | <8 | | | |
| 1,4-phenylenediamine | | | | <8 | | <8 | | | |
| 1-naphthylamine | | | | <8 | | <8 | | | |
| 2,2-dichloropropane | | | | <1 | | <1 | | | |
| 2,3,4,6-tetrachlorophenol | | | | <8 | | <8 | | | |
| 2,4,5-t | | | | <.5 | | <.5 | | | |
| 2,4,5-tp (silvex) | | | | <.5 | | <.5 | | | |
| 2,4,5-trichlorophenol | | | | <8 | | <8 | | | |
| 2,4,6-trichlorophenol | | | | <8 | | <8 | | | |
| 2,4-d | | | | <2 | | <2 | | | |
| 2,4-dichlorophenol | | | | <8 | | <8 | | | |
| 2,4-dimethylphenol | | | | <8 | | <8 | | | |
| 2,4-dinitrophenol | | | | <8 | | <8 | | | |
| 2,4-dinitrotoluene | | | | <8 | | <8 | | | |
| 2,6-dichlorophenol | | | | <8 | | <8 | | | |
| 2,6-dinitrotoluene | | | | <8 | | <8 | | | |
| 2-acetylaminofluorene | | | | <8 | | <8 | | | |
| 2-butanone (mek) | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | <10 |
| 2-chloronaphthalene | | | | <8 | | <8 | | | |
| 2-chlorophenol | | | | <8 | | <8 | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | <8 | | <8 | | | |
| 2-methylphenol | | | | <8 | | <8 | | | |
| 2-naphthylamine | | | | <8 | | <8 | | | |
| 2-nitroaniline | | | | <8 | | <8 | | | |
| 2-nitrophenol | | | | <8 | | <8 | | | |
| 3,3´-dichlorobenzidine | | | | <8 | | <8 | | | |
| 3,3'-dimethylbenzidine | | | | <8 | | <8 | | | |
| 3-methylcholanthrene | | | | <8 | | <8 | | | |
| 3-nitroaniline | | | | <8 | | <8 | | | |
| 4,4´-ddd | | | | <.05 | | <.05 | | | |
| 4,4´-dde | | | | <.05 | | <.05 | | | |
| 4,4´-ddt | | | | <.05 | | <.05 | | | |
| 4,6-dinitro-2-methylphenol | | | | <8 | | <8 | | | |
| 4-aminobiphenyl | | | | <8 | | <8 | | | |
| 4-bromophenyl phenyl ether | | | | <8 | | <8 | | | |
| 4-chloro-3-methylphenol | | | | <8 | | <8 | | | |
| 4-chloroaniline | | | | <8 | | <8 | | | |
| 4-chlorophenyl phenyl ether | | | | <8 | | <8 | | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | <8 | | <8 | | | |
| 4-nitrophenol | | | | <8 | | <8 | | | |
| 5-nitro-o-toluidine | | | | <8 | | <8 | | | |
| 7,12-dimethylbenz(a)anthracene | | | | <8 | | <8 | | | |
| Acenaphthene | | | | <8 | | <8 | | | |
| Acenaphthylene | | | | <8 | | <8 | | | |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonitrile | | | | <10 | | <10 | | | |
| Acetophenone | | | | <8 | | <8 | | | |
| Acrolein | | | | <10 | | <10 | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | | | | <.05 | | <.05 | | | |
| Allyl chloride | | | | <1 | | <1 | | | |
| Alpha-bhc | | | | <.05 | | <.05 | | | |

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

## Table 9

## Analytical Data Summary for TILE 1

| Constituents | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|
| (3 4)-methylphenol | | | | |
| 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-dichloropropene | | | | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | |
| 1,2,4-trichlorobenzene | | | | |
| 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 |
| 1,2-dinitrobenzene | | | | |
| 1,3,5-trinitrobenzene | | | | |
| 1,3-dichlorobenzene | | | | |
| 1,3-dichloropropane | | | | |
| 1,3-dinitrobenzene | | | | |
| 1,4-dichlorobenzene | 1.8 | 3.3 | 1.5 | 3.9 |
| 1,4-naphthoquinone | | | | |
| 1,4-phenylenediamine | | | | |
| 1-naphthylamine | | | | |
| 2,2-dichloropropane | | | | |
| 2,3,4,6-tetrachlorophenol | | | | |
| 2,4,5-t | | | | |
| 2,4,5-tp (silvex) | | | | |
| 2,4,5-trichlorophenol | | | | |
| 2,4,6-trichlorophenol | | | | |
| 2,4-d | | | | |
| 2,4-dichlorophenol | | | | |
| 2,4-dimethylphenol | | | | |
| 2,4-dinitrophenol | | | | |
| 2,4-dinitrotoluene | | | | |
| 2,6-dichlorophenol | | | | |
| 2,6-dinitrotoluene | | | | |
| 2-acetylaminofluorene | | | | |
| 2-butanone (mek) | <10 | <10 | <10 | <10 |
| 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 | | | | |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 |
| Acetonitrile | | | | |
| Acetophenone | | | | |
| Acrolein | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 |
| Aldrin | | | | |
| Allyl chloride | | | | |
| Alpha-bhc | | | | |

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

## Table 9

## Analytical Data Summary for TILE 1

| Constituents | Units | 9/20/2016 9/21/2016 | 11/9/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 | 6/5/2019 | 7/17/2019 |
|---|---|---|---|---|---|---|---|---|---|---|
| Anthracene | ug/L | | | | | | | | | |
| Antimony, total | ug/L | | | | | | | | <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 | | | | | | | | 5.3 | |
| Azobenzene | ug/L | | | | | | | | | |
| Barium, total | ug/L | | | | | | | | 1010 | 1580 |
| Benzene | ug/L | <1.0 | 1.6 | 2.2 | 2.7 | 3.7 | <1.0 | <1.0 | <1.0 | |
| Benzo(a)anthracene | ug/L | | | | | | | | | |
| Benzo(a)pyrene | ug/L | | | | | | | | | |
| Benzo(b)fluoranthene | ug/L | | | | | | | | | |
| Benzo(g,h,i)perylene | ug/L | | | | | | | | | |
| Benzo(k)fluoranthene | ug/L | | | | | | | | | |
| Benzyl alcohol | ug/L | | | | | | | | | |
| Beryllium, total | ug/L | | | | | | | | <4.0 | |
| Beta-bhc | ug/L | | | | | | | | | |
| Bis (2-chloroethoxy) methane | ug/L | | | | | | | | | |
| Bis(2-chloroethyl) ether | ug/L | | | | | | | | | |
| Bis(2-chloroisopropyl) ether | ug/L | | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | ug/L | | | | | | | | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Butyl benzyl phthalate | ug/L | | | | | | | | | |
| Cadmium, total | ug/L | | | | | | | | <.8 | |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlordane | ug/L | | | | | | | | | |
| Chlorobenzene | ug/L | 3.4 | 3.6 | 7.9 | 5.8 | 7.2 | 4.3 | 3.0 | 4.9 | |
| Chlorobenzilate | ug/L | | | | | | | | | |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chloroform | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chloroprene | ug/L | | | | | | | | | |
| Chromium, total | ug/L | | | | | | | | <8.0 | |
| Chrysene | ug/L | | | | | | | | | |
| Cis-1,2-dichloroethylene | ug/L | 7.0 | 2.8 | 3.9 | <1.0 | 1.0 | <1.0 | 3.6 | 5.7 | |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Cobalt, total | ug/L | | | | | | | | 1.8 | |
| Copper, total | ug/L | | | | | | | | 5.6 | |
| Cyanide, total | mg/L | | | | | | | | | |
| Delta-bhc | ug/L | | | | | | | | | |
| Diallate | ug/L | | | | | | | | | |
| Dibenzo(a,h)anthracene | ug/L | | | | | | | | | |
| Dibenzofuran | ug/L | | | | | | | | | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Dichlorodifluoromethane | ug/L | | | | | | | | | |
| Dieldrin | ug/L | | | | | | | | | |
| Diethyl phthalate | ug/L | | | | | | | | | |
| Dimethoate | ug/L | | | | | | | | | |
| Dimethylphthalate | ug/L | | | | | | | | | |
| Di-n-butyl phthalate | ug/L | | | | | | | | | |
| Di-n-octyl phthalate | ug/L | | | | | | | | | |
| Dinoseb | ug/L | | | | | | | | | |
| Diphenylamine | ug/L | | | | | | | | | |
| Disulfoton | ug/L | | | | | | | | | |
| Endosulfan i | ug/L | | | | | | | | | |
| Endosulfan ii | ug/L | | | | | | | | | |
| Endosulfan sulfate | ug/L | | | | | | | | | |
| Endrin | ug/L | | | | | | | | | |
| Endrin aldehyde | ug/L | | | | | | | | | |
| Ethyl methacrylate | ug/L | | | | | | | | | |
| Ethyl methanesulfonate | ug/L | | | | | | | | | |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Famphur | ug/L | | | | | | | | | |
| Fluoranthene | ug/L | | | | | | | | | |
| Fluorene | ug/L | | | | | | | | | |
| Gamma-bhc (lindane) | ug/L | | | | | | | | | |
| Heptachlor | ug/L | | | | | | | | | |

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

## Table 9

## Analytical Data Summary for TILE 1

| Constituents | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | | | | <8 | | <8 | | | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 | | | | <.1 | | <.1 | | | |
| Arochlor 1221 | | | | <.2 | | <.2 | | | |
| Arochlor 1232 | | | | <.2 | | <.2 | | | |
| Arochlor 1242 | | | | <.2 | | <.2 | | | |
| Arochlor 1248 | | | | <.2 | | <.2 | | | |
| Arochlor 1254 | | | | <.1 | | <.1 | | | |
| Arochlor 1260 | | | | <.1 | | <.1 | | | |
| Arsenic, total | 8.9 | <4.0 | 6.5 | <4.0 | 7.0 | <4.0 | 8.2 | <4.0 | 8.7 |
| Azobenzene | | | | <8 | | <8 | | | |
| Barium, total | 1350 | 754 | 2210 | 1060 | 1940 | 774 | 2660 | 953 | 2510 |
| Benzene | <1.0 | <1.0 | 1.9 | <1.0 | 1.1 | <1.0 | 2.1 | <1.0 | 3.0 |
| Benzo(a)anthracene | | | | <8 | | <8 | | | |
| Benzo(a)pyrene | | | | <8 | | <8 | | | |
| Benzo(b)fluoranthene | | | | <8 | | <8 | | | |
| Benzo(g,h,i)perylene | | | | <8 | | <8 | | | |
| Benzo(k)fluoranthene | | | | <8 | | <8 | | | |
| Benzyl alcohol | | | | <8 | | <8 | | | |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Beta-bhc | | | | <.05 | | <.05 | | | |
| Bis (2-chloroethoxy) methane | | | | <8 | | <8 | | | |
| Bis(2-chloroethyl) ether | | | | <8 | | <8 | | | |
| Bis(2-chloroisopropyl) ether | | | | <8 | | <8 | | | |
| Bis(2-ethylhexyl) phthalate | | | | <6 | | <6 | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | <8 | | <8 | | | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | | | | <.1 | | <.1 | | | |
| Chlorobenzene | 4.1 | 3.9 | 4.4 | 2.7 | 2.7 | 2.9 | 3.0 | 2.9 | 5.6 |
| Chlorobenzilate | | | | <8 | | <8 | | | |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 1.4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | | | | <1 | | <1 | | | |
| Chromium, total | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Chrysene | | | | <8 | | <8 | | | |
| Cis-1,2-dichloroethylene | 3.9 | 3.2 | 1.7 | <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 | 3.6 | 1.8 | 3.1 | 2.9 | 2.8 | 2.2 | 7.6 | 2.4 | 3.3 |
| Copper, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Cyanide, total | | | | <.005 | | <.005 | | | |
| Delta-bhc | | | | <.05 | | <.05 | | | |
| Diallate | | | | <8 | | <8 | | | |
| Dibenzo(a,h)anthracene | | | | <8 | | <8 | | | |
| Dibenzofuran | | | | <8 | | <8 | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | | <1 | | <1 | | | |
| Dieldrin | | | | <.05 | | <.05 | | | |
| Diethyl phthalate | | | | <8 | | <8 | | | |
| Dimethoate | | | | <.4 | | <.4 | | | |
| Dimethylphthalate | | | | <8 | | <8 | | | |
| Di-n-butyl phthalate | | | | <8 | | <8 | | | |
| Di-n-octyl phthalate | | | | <8 | | <8 | | | |
| Dinoseb | | | | <.5 | | <.5 | | | |
| Diphenylamine | | | | <8 | | <8 | | | |
| Disulfoton | | | | <.4 | | <.4 | | | |
| Endosulfan i | | | | <.05 | | <.05 | | | |
| Endosulfan ii | | | | <.05 | | <.05 | | | |
| Endosulfan sulfate | | | | <.05 | | <.05 | | | |
| Endrin | | | | <.05 | | <.05 | | | |
| Endrin aldehyde | | | | <.05 | | <.05 | | | |
| Ethyl methacrylate | | | | <10 | | <10 | | | |
| Ethyl methanesulfonate | | | | <8 | | <8 | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | | | | <.4 | | <.4 | | | |
| Fluoranthene | | | | <8 | | <8 | | | |
| Fluorene | | | | <8 | | <8 | | | |
| Gamma-bhc (lindane) | | | | <.05 | | <.05 | | | |
| Heptachlor | | | | <.05 | | <.05 | | | |

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

## Table 9

## Analytical Data Summary for TILE 1

| Constituents | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|
| Anthracene | | | | |
| Antimony, total | <2 | <2 | <2 | <1 |
| Arochlor 1016 | | | | |
| Arochlor 1221 | | | | |
| Arochlor 1232 | | | | |
| Arochlor 1242 | | | | |
| Arochlor 1248 | | | | |
| Arochlor 1254 | | | | |
| Arochlor 1260 | | | | |
| Arsenic, total | <4.0 | 8.8 | <4.0 | 10.3 |
| Azobenzene | | | | |
| Barium, total | 2250 | 2340 | 739 | 1990 |
| Benzene | <1.0 | 1.8 | 1.6 | 2.5 |
| Benzo(a)anthracene | | | | |
| Benzo(a)pyrene | | | | |
| Benzo(b)fluoranthene | | | | |
| Benzo(g,h,i)perylene | | | | |
| Benzo(k)fluoranthene | | | | |
| Benzyl alcohol | | | | |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <.5 |
| Beta-bhc | | | | |
| Bis (2-chloroethoxy) methane | | | | |
| Bis(2-chloroethyl) ether | | | | |
| Bis(2-chloroisopropyl) 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 | <.2 |
| Carbon disulfide | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 |
| Chlordane | | | | |
| Chlorobenzene | 1.8 | 4.3 | 5.7 | 7.0 |
| Chlorobenzilate | | | | |
| Chloroethane | <1 | <1 | <1 | <1 |
| Chloroform | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloromethane | <1 | <1 | <1 | <1 |
| Chloroprene | | | | |
| Chromium, total | <8.0 | <8.0 | <8.0 | 2.2 |
| Chrysene | | | | |
| Cis-1,2-dichloroethylene | <1.0 | <1.0 | <1.0 | 1.8 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Cobalt, total | 2.5 | 3.2 | 2.1 | 3.3 |
| Copper, total | <4.0 | <4.0 | <4.0 | <5.0 |
| Cyanide, total | | | | |
| 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 | | | | |
| Ethyl methacrylate | | | | |
| Ethyl methanesulfonate | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 |
| Famphur | | | | |
| Fluoranthene | | | | |
| Fluorene | | | | |
| Gamma-bhc (lindane) | | | | |
| Heptachlor | | | | |

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

## Table 9

## Analytical Data Summary for TILE 1

| Constituents | Units | 9/20/2016 9/21/2016 | 11/9/2016 | 3/9/2017 | 9/14/2017 | 3/12/2018 3/13/2018 | 9/10/2018 | 3/26/2019 | 6/5/2019 | 7/17/2019 |
|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | ug/L | | | | | | | | | |
| Hexachlorobenzene | ug/L | | | | | | | | | |
| Hexachlorobutadiene | ug/L | | | | | | | | | |
| Hexachlorocyclopentadiene | ug/L | | | | | | | | | |
| Hexachloroethane | ug/L | | | | | | | | | |
| Hexachloropropene | ug/L | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/L | | | | | | | | | |
| Isobutanol | mg/L | | | | | | | | | |
| Isodrin | ug/L | | | | | | | | | |
| Isophorone | ug/L | | | | | | | | | |
| Isosafrole | ug/L | | | | | | | | | |
| Kepone | ug/L | | | | | | | | | |
| Lead, total | ug/L | | | | | | | | <4 | |
| Mercury, total | ug/L | | | | | | | | | |
| Methacrylonitrile | ug/L | | | | | | | | | |
| Methapyrilene | ug/L | | | | | | | | | |
| Methoxychlor | ug/L | | | | | | | | | |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl methacrylate | ug/L | | | | | | | | | |
| Methyl methanesulfonate | ug/L | | | | | | | | | |
| Methyl parathion | ug/L | | | | | | | | | |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | ug/L | | | | | | | | | |
| Nickel, total | ug/L | | | | | | | | 13.4 | |
| Nitrobenzene | ug/L | | | | | | | | | |
| N-nitrosodiethylamine | ug/L | | | | | | | | | |
| N-nitrosodimethylamine | ug/L | | | | | | | | | |
| N-nitrosodi-n-butylamine | ug/L | | | | | | | | | |
| N-nitroso-di-n-propylamine | ug/L | | | | | | | | | |
| N-nitrosodiphenylamine | ug/L | | | | | | | | | |
| N-nitrosomethylethylamine | ug/L | | | | | | | | | |
| N-nitrosopiperidine | ug/L | | | | | | | | | |
| N-nitrosopyrrolidine | ug/L | | | | | | | | | |
| O,o,o-triethyl phosphorothioate | ug/L | | | | | | | | | |
| O-toluidine | ug/L | | | | | | | | | |
| Parathion | ug/L | | | | | | | | | |
| P-dimethylaminoazobenzene | ug/L | | | | | | | | | |
| Pentachlorobenzene | ug/L | | | | | | | | | |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | | | | | | |
| Pentachlorophenol | ug/L | | | | | | | | | |
| Phenacetin | ug/L | | | | | | | | | |
| Phenanthrene | ug/L | | | | | | | | | |
| Phenol | ug/L | | | | | | | | | |
| Phorate | ug/L | | | | | | | | | |
| Pronamide | ug/L | | | | | | | | | |
| Propionitrile | ug/L | | | | | | | | | |
| Pyrene | ug/L | | | | | | | | | |
| Safrole | ug/L | | | | | | | | | |
| Selenium, total | ug/L | | | | | | | | <4.0 | |
| Silver, total | ug/L | | | | | | | | <4 | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Sulfide, total | mg/L | | | | | | | | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Thallium, total | ug/L | | | | | | | | <2.0 | |
| Thionazin | ug/L | | | | | | | | | |
| Tin, total | ug/L | | | | | | | | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toxaphene | ug/L | | | | | | | | | |
| Trans-1,2-dichloroethylene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | 1.1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vanadium, total | ug/L | | | | | | | | <20 | |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Vinyl chloride | ug/L | 3.0 | 3.6 | 4.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| Zinc, total | ug/L | | | | | | | | 22.2 | |

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

## Table 9

## Analytical Data Summary for TILE 1

| Constituents | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 | 9/13/2022 | 3/23/2023 | 9/5/2023 |
|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | | | | <.05 | | <.05 | | | |
| Hexachlorobenzene | | | | <.05 | | <.05 | | | |
| Hexachlorobutadiene | | | | <8 | | <8 | | | |
| Hexachlorocyclopentadiene | | | | <8 | | <8 | | | |
| Hexachloroethane | | | | <8 | | <8 | | | |
| Hexachloropropene | | | | <8 | | <8 | | | |
| Indeno(1,2,3-cd)pyrene | | | | <8 | | <8 | | | |
| Isobutanol | | | | <1 | | <1 | | | |
| Isodrin | | | | <8 | | <8 | | | |
| Isophorone | | | | <8 | | <8 | | | |
| Isosafrole | | | | <8 | | <8 | | | |
| Kepone | | | | <8 | | <8 | | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Mercury, total | | | | <.5 | | <.5 | | | |
| Methacrylonitrile | | | | <1 | | <1 | | | |
| Methapyrilene | | | | <8 | | <8 | | | |
| Methoxychlor | | | | <.05 | | <.05 | | | |
| Methyl iodide | <1 | <1 | <1 | <2 | <1 | <2 | <1 | <1 | <1 |
| Methyl methacrylate | | | | <1 | | <1 | | | |
| Methyl methanesulfonate | | | | <8 | | <8 | | | |
| Methyl parathion | | | | <.4 | | <.4 | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | | | <8 | | <8 | | | |
| Nickel, total | 21.2 | 9.8 | 35.8 | 20.8 | 37.1 | 14.0 | 46.1 | 13.4 | 43.6 |
| Nitrobenzene | | | | <8 | | <8 | | | |
| N-nitrosodiethylamine | | | | <8 | | <8 | | | |
| N-nitrosodimethylamine | | | | <8 | | <8 | | | |
| N-nitrosodi-n-butylamine | | | | <8 | | <8 | | | |
| N-nitroso-di-n-propylamine | | | | <8 | | <8 | | | |
| N-nitrosodiphenylamine | | | | <8 | | <8 | | | |
| N-nitrosomethylethylamine | | | | <8 | | <8 | | | |
| N-nitrosopiperidine | | | | <8 | | <8 | | | |
| N-nitrosopyrrolidine | | | | <8 | | <8 | | | |
| O,o,o-triethyl phosphorothioate | | | | <.4 | | <.4 | | | |
| O-toluidine | | | | <8 | | <8 | | | |
| Parathion | | | | <.4 | | <.4 | | | |
| P-dimethylaminoazobenzene | | | | <8 | | <8 | | | |
| Pentachlorobenzene | | | | <8 | | <8 | | | |
| Pentachloronitrobenzene (pcnb) | | | | <8 | | <8 | | | |
| Pentachlorophenol | | | | <8 | | <8 | | | |
| Phenacetin | | | | <8 | | <8 | | | |
| Phenanthrene | | | | <8 | | <8 | | | |
| Phenol | | | | <8 | | <8 | | | |
| Phorate | | | | <.4 | | <.4 | | | |
| Pronamide | | | | <8 | | <8 | | | |
| Propionitrile | | | | <10 | | <10 | | | |
| Pyrene | | | | <8 | | <8 | | | |
| Safrole | | | | <8 | | <8 | | | |
| Selenium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total | | | | <.1 | | <.1 | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Thionazin | | | | <.4 | | <.4 | | | |
| Tin, total | | | | <20 | | <20 | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | | | | <.2 | | <.2 | | | |
| Trans-1,2-dichloroethylene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 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 | <1.0 | <1.0 | 1.2 | <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 | <20.0 | 26.4 | <20.0 | 24.2 | <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 TILE 1

| Constituents | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|
| Heptachlor epoxide | | | | |
| Hexachlorobenzene | | | | |
| Hexachlorobutadiene | | | | |
| Hexachlorocyclopentadiene | | | | |
| Hexachloroethane | | | | |
| Hexachloropropene | | | | |
| Indeno(1,2,3-cd)pyrene | | | | |
| Isobutanol | | | | |
| Isodrin | | | | |
| Isophorone | | | | |
| Isosafrole | | | | |
| Kepone | | | | |
| Lead, total | <4 | <4 | <4 | <1 |
| Mercury, total | | | | |
| Methacrylonitrile | | | | |
| Methapyrilene | | | | |
| Methoxychlor | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 |
| Methyl methacrylate | | | | |
| Methyl methanesulfonate | | | | |
| Methyl parathion | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 |
| Naphthalene | | | | |
| Nickel, total | 43.5 | 43.5 | 9.7 | 38.8 |
| Nitrobenzene | | | | |
| N-nitrosodiethylamine | | | | |
| N-nitrosodimethylamine | | | | |
| N-nitrosodi-n-butylamine | | | | |
| N-nitroso-di-n-propylamine | | | | |
| N-nitrosodiphenylamine | | | | |
| N-nitrosomethylethylamine | | | | |
| N-nitrosopiperidine | | | | |
| N-nitrosopyrrolidine | | | | |
| O,o,o-triethyl phosphorothioate | | | | |
| O-toluidine | | | | |
| Parathion | | | | |
| P-dimethylaminoazobenzene | | | | |
| Pentachlorobenzene | | | | |
| Pentachloronitrobenzene (pcnb) | | | | |
| Pentachlorophenol | | | | |
| Phenacetin | | | | |
| Phenanthrene | | | | |
| Phenol | | | | |
| Phorate | | | | |
| Pronamide | | | | |
| Propionitrile | | | | |
| Pyrene | | | | |
| Safrole | | | | |
| Selenium, total | <4.0 | <4.0 | <4.0 | 3.3 |
| Silver, total | <4 | <4 | <4 | <5 |
| Styrene | <1 | <1 | <1 | <1 |
| Sulfide, total | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <.5 |
| Thionazin | | | | |
| Tin, total | | | | |
| Toluene | <1 | <1 | <1 | <1 |
| Toxaphene | | | | |
| Trans-1,2-dichloroethylene | <1.0 | <1.0 | <1.0 | <1.0 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <2 |
| Vinyl acetate | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1.0 | <1.0 | <1.0 | 1.4 |
| Xylenes, total | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | <20.0 | <5.0 |

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

## Table 9

## Analytical Data Summary for TILE 2

| Constituents | Units | 9/10/2018 | 3/26/2019 | 6/5/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 |
|---|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | ug/L | | | | | | | <8 | | <8 |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | ug/L | | | | | | | <1 | | <1 |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | | | | | <8 | | <8 |
| 1,2,4-trichlorobenzene | ug/L | | | | | | | <1 | | <1 |
| 1,2-dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | ug/L | | | | | | | <8 | | <8 |
| 1,3,5-trinitrobenzene | ug/L | | | | | | | <8 | | <8 |
| 1,3-dichlorobenzene | ug/L | | | | | | | <1 | | <1 |
| 1,3-dichloropropane | ug/L | | | | | | | <1 | | <1 |
| 1,3-dinitrobenzene | ug/L | | | | | | | <8 | | <8 |
| 1,4-dichlorobenzene | ug/L | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | ug/L | | | | | | | <8 | | <8 |
| 1,4-phenylenediamine | ug/L | | | | | | | <8 | | <8 |
| 1-naphthylamine | ug/L | | | | | | | <8 | | <8 |
| 2,2-dichloropropane | ug/L | | | | | | | <1 | | <1 |
| 2,3,4,6-tetrachlorophenol | ug/L | | | | | | | <8 | | <8 |
| 2,4,5-t | ug/L | | | | | | | <.5 | | <.5 |
| 2,4,5-tp (silvex) | ug/L | | | | | | | <.5 | | <.5 |
| 2,4,5-trichlorophenol | ug/L | | | | | | | <8 | | <8 |
| 2,4,6-trichlorophenol | ug/L | | | | | | | <8 | | <8 |
| 2,4-d | ug/L | | | | | | | <2 | | <2 |
| 2,4-dichlorophenol | ug/L | | | | | | | <8 | | <8 |
| 2,4-dimethylphenol | ug/L | | | | | | | <8 | | <8 |
| 2,4-dinitrophenol | ug/L | | | | | | | <8 | | <8 |
| 2,4-dinitrotoluene | ug/L | | | | | | | <8 | | <8 |
| 2,6-dichlorophenol | ug/L | | | | | | | <8 | | <8 |
| 2,6-dinitrotoluene | ug/L | | | | | | | <8 | | <8 |
| 2-acetylaminofluorene | ug/L | | | | | | | <8 | | <8 |
| 2-butanone (mek) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-chloronaphthalene | ug/L | | | | | | | <8 | | <8 |
| 2-chlorophenol | ug/L | | | | | | | <8 | | <8 |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | ug/L | | | | | | | <8 | | <8 |
| 2-methylphenol | ug/L | | | | | | | <8 | | <8 |
| 2-naphthylamine | ug/L | | | | | | | <8 | | <8 |
| 2-nitroaniline | ug/L | | | | | | | <8 | | <8 |
| 2-nitrophenol | ug/L | | | | | | | <8 | | <8 |
| 3,3´-dichlorobenzidine | ug/L | | | | | | | <8 | | <8 |
| 3,3'-dimethylbenzidine | ug/L | | | | | | | <8 | | <8 |
| 3-methylcholanthrene | ug/L | | | | | | | <8 | | <8 |
| 3-nitroaniline | ug/L | | | | | | | <8 | | <8 |
| 4,4´-ddd | ug/L | | | | | | | <.05 | | <.05 |
| 4,4´-dde | ug/L | | | | | | | <.05 | | <.05 |
| 4,4´-ddt | ug/L | | | | | | | <.05 | | <.05 |
| 4,6-dinitro-2-methylphenol | ug/L | | | | | | | <8 | | <8 |
| 4-aminobiphenyl | ug/L | | | | | | | <8 | | <8 |
| 4-bromophenyl phenyl ether | ug/L | | | | | | | <8 | | <8 |
| 4-chloro-3-methylphenol | ug/L | | | | | | | <8 | | <8 |
| 4-chloroaniline | ug/L | | | | | | | <8 | | <8 |
| 4-chlorophenyl phenyl ether | ug/L | | | | | | | <8 | | <8 |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | ug/L | | | | | | | <8 | | <8 |
| 4-nitrophenol | ug/L | | | | | | | <8 | | <8 |
| 5-nitro-o-toluidine | ug/L | | | | | | | <8 | | <8 |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | | | | <8 | | <8 |
| Acenaphthene | ug/L | | | | | | | <8 | | <8 |
| Acenaphthylene | ug/L | | | | | | | <8 | | <8 |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acetonitrile | ug/L | | | | | | | <10 | | <10 |
| Acetophenone | ug/L | | | | | | | <8 | | <8 |
| Acrolein | ug/L | | | | | | | <10 | | <10 |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | ug/L | | | | | | | <.05 | | <.05 |
| Allyl chloride | ug/L | | | | | | | <1 | | <1 |
| Alpha-bhc | ug/L | | | | | | | <.05 | | <.05 |

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

## Table 9

## Analytical Data Summary for TILE 2

| Constituents | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | | | | | | |
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | | | | | | |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | | | | | | |
| 1,2,4-trichlorobenzene | | | | | | | |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | | | | | | |
| 1,3,5-trinitrobenzene | | | | | | | |
| 1,3-dichlorobenzene | | | | | | | |
| 1,3-dichloropropane | | | | | | | |
| 1,3-dinitrobenzene | | | | | | | |
| 1,4-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-naphthoquinone | | | | | | | |
| 1,4-phenylenediamine | | | | | | | |
| 1-naphthylamine | | | | | | | |
| 2,2-dichloropropane | | | | | | | |
| 2,3,4,6-tetrachlorophenol | | | | | | | |
| 2,4,5-t | | | | | | | |
| 2,4,5-tp (silvex) | | | | | | | |
| 2,4,5-trichlorophenol | | | | | | | |
| 2,4,6-trichlorophenol | | | | | | | |
| 2,4-d | | | | | | | |
| 2,4-dichlorophenol | | | | | | | |
| 2,4-dimethylphenol | | | | | | | |
| 2,4-dinitrophenol | | | | | | | |
| 2,4-dinitrotoluene | | | | | | | |
| 2,6-dichlorophenol | | | | | | | |
| 2,6-dinitrotoluene | | | | | | | |
| 2-acetylaminofluorene | | | | | | | |
| 2-butanone (mek) | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2-chloronaphthalene | | | | | | | |
| 2-chlorophenol | | | | | | | |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | | | | | | |
| 2-methylphenol | | | | | | | |
| 2-naphthylamine | | | | | | | |
| 2-nitroaniline | | | | | | | |
| 2-nitrophenol | | | | | | | |
| 3,3´-dichlorobenzidine | | | | | | | |
| 3,3'-dimethylbenzidine | | | | | | | |
| 3-methylcholanthrene | | | | | | | |
| 3-nitroaniline | | | | | | | |
| 4,4´-ddd | | | | | | | |
| 4,4´-dde | | | | | | | |
| 4,4´-ddt | | | | | | | |
| 4,6-dinitro-2-methylphenol | | | | | | | |
| 4-aminobiphenyl | | | | | | | |
| 4-bromophenyl phenyl ether | | | | | | | |
| 4-chloro-3-methylphenol | | | | | | | |
| 4-chloroaniline | | | | | | | |
| 4-chlorophenyl phenyl ether | | | | | | | |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | | | | | | |
| 4-nitrophenol | | | | | | | |
| 5-nitro-o-toluidine | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | | | | | | | |
| Acenaphthene | | | | | | | |
| Acenaphthylene | | | | | | | |
| Acetone | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acetonitrile | | | | | | | |
| Acetophenone | | | | | | | |
| Acrolein | | | | | | | |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | | | | | | | |
| Allyl chloride | | | | | | | |
| Alpha-bhc | | | | | | | |

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

## Table 9

## Analytical Data Summary for TILE 2

| Constituents | Units | 9/10/2018 | 3/26/2019 | 6/5/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 |
|---|---|---|---|---|---|---|---|---|---|---|
| Anthracene | ug/L | | | | | | | <8 | | <8 |
| Antimony, total | ug/L | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arochlor 1016 | ug/L | | | | | | | <.1 | | <.1 |
| Arochlor 1221 | ug/L | | | | | | | <.2 | | <.2 |
| Arochlor 1232 | ug/L | | | | | | | <.2 | | <.2 |
| Arochlor 1242 | ug/L | | | | | | | <.2 | | <.2 |
| Arochlor 1248 | ug/L | | | | | | | <.2 | | <.2 |
| Arochlor 1254 | ug/L | | | | | | | <.1 | | <.1 |
| Arochlor 1260 | ug/L | | | | | | | <.1 | | <.1 |
| Arsenic, total | ug/L | | | <4.0 | 5.7 | <4.0 | 17.2 | <4.0 | <4.0 | <4.0 |
| Azobenzene | ug/L | | | | | | | <8 | | <8 |
| Barium, total | ug/L | | | 504 | 618 | 459 | 1060 | 500 | 568 | 504 |
| Benzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | ug/L | | | | | | | <8 | | <8 |
| Benzo(a)pyrene | ug/L | | | | | | | <8 | | <8 |
| Benzo(b)fluoranthene | ug/L | | | | | | | <8 | | <8 |
| Benzo(g,h,i)perylene | ug/L | | | | | | | <8 | | <8 |
| Benzo(k)fluoranthene | ug/L | | | | | | | <8 | | <8 |
| Benzyl alcohol | ug/L | | | | | | | <8 | | <8 |
| Beryllium, total | ug/L | | | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Beta-bhc | ug/L | | | | | | | <.05 | | <.05 |
| Bis (2-chloroethoxy) methane | ug/L | | | | | | | <8 | | <8 |
| Bis(2-chloroethyl) ether | ug/L | | | | | | | <8 | | <8 |
| Bis(2-chloroisopropyl) ether | ug/L | | | | | | | <8 | | <8 |
| Bis(2-ethylhexyl) phthalate | ug/L | | | | | | | <6 | | <6 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | ug/L | | | | | | | <8 | | <8 |
| Cadmium, total | ug/L | | | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | ug/L | | | | | | | <.1 | | <.1 |
| Chlorobenzene | ug/L | <1.0 | 2.0 | 1.2 | 2.2 | 1.0 | 1.1 | <1.0 | <1.0 | <1.0 |
| Chlorobenzilate | ug/L | | | | | | | <8 | | <8 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | ug/L | | | | | | | <1 | | <1 |
| Chromium, total | ug/L | | | <8 | <8 | <8 | <8 | <8 | <8 | <8 |
| Chrysene | ug/L | | | | | | | <8 | | <8 |
| Cis-1,2-dichloroethylene | ug/L | 6.6 | 19.9 | 18.2 | 5.6 | 10.6 | 1.3 | 8.1 | 3.8 | 2.7 |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | ug/L | | | 1.8 | 2.9 | 1.1 | 3.9 | 1.0 | 2.3 | 1.2 |
| Copper, total | ug/L | | | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Cyanide, total | mg/L | | | | | | | <.005 | | <.005 |
| Delta-bhc | ug/L | | | | | | | <.05 | | <.05 |
| Diallate | ug/L | | | | | | | <8 | | <8 |
| Dibenzo(a,h)anthracene | ug/L | | | | | | | <8 | | <8 |
| Dibenzofuran | ug/L | | | | | | | <8 | | <8 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | | | | | | | <1 | | <1 |
| Dieldrin | ug/L | | | | | | | <.05 | | <.05 |
| Diethyl phthalate | ug/L | | | | | | | <8 | | <8 |
| Dimethoate | ug/L | | | | | | | <.4 | | <.4 |
| Dimethylphthalate | ug/L | | | | | | | <8 | | <8 |
| Di-n-butyl phthalate | ug/L | | | | | | | <8 | | <8 |
| Di-n-octyl phthalate | ug/L | | | | | | | <8 | | <8 |
| Dinoseb | ug/L | | | | | | | <.5 | | <.5 |
| Diphenylamine | ug/L | | | | | | | <8 | | <8 |
| Disulfoton | ug/L | | | | | | | <.4 | | <.4 |
| Endosulfan i | ug/L | | | | | | | <.05 | | <.05 |
| Endosulfan ii | ug/L | | | | | | | <.05 | | <.05 |
| Endosulfan sulfate | ug/L | | | | | | | <.05 | | <.05 |
| Endrin | ug/L | | | | | | | <.05 | | <.05 |
| Endrin aldehyde | ug/L | | | | | | | <.05 | | <.05 |
| Ethyl methacrylate | ug/L | | | | | | | <10 | | <10 |
| Ethyl methanesulfonate | ug/L | | | | | | | <8 | | <8 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | ug/L | | | | | | | <.4 | | <.4 |
| Fluoranthene | ug/L | | | | | | | <8 | | <8 |
| Fluorene | ug/L | | | | | | | <8 | | <8 |
| Gamma-bhc (lindane) | ug/L | | | | | | | <.05 | | <.05 |
| Heptachlor | ug/L | | | | | | | <.05 | | <.05 |

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

## Table 9

## Analytical Data Summary for TILE 2

| Constituents | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024<br>9/19/2024 | 3/10/2025<br>3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|
| Anthracene | | | | | | | |
| Antimony, total | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Arochlor 1016 | | | | | | | |
| Arochlor 1221 | | | | | | | |
| Arochlor 1232 | | | | | | | |
| Arochlor 1242 | | | | | | | |
| Arochlor 1248 | | | | | | | |
| Arochlor 1254 | | | | | | | |
| Arochlor 1260 | | | | | | | |
| Arsenic, total | 5.5 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 2.2 |
| Azobenzene | | | | | | | |
| Barium, total | 860 | 481 | 590 | 528 | 638 | 451 | 697 |
| Benzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzo(a)anthracene | | | | | | | |
| Benzo(a)pyrene | | | | | | | |
| Benzo(b)fluoranthene | | | | | | | |
| Benzo(g,h,i)perylene | | | | | | | |
| Benzo(k)fluoranthene | | | | | | | |
| Benzyl alcohol | | | | | | | |
| Beryllium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <.5 |
| Beta-bhc | | | | | | | |
| Bis (2-chloroethoxy) methane | | | | | | | |
| Bis(2-chloroethyl) ether | | | | | | | |
| Bis(2-chloroisopropyl) ether | | | | | | | |
| Bis(2-ethylhexyl) phthalate | | | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | | | | | | |
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | <.2 |
| Carbon disulfide | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlordane | | | | | | | |
| Chlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | 1.1 | <1.0 | 2.2 |
| Chlorobenzilate | | | | | | | |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | | | | | | | |
| Chromium, total | <8 | <8 | <8 | <8 | <8 | <8 | <1 |
| Chrysene | | | | | | | |
| Cis-1,2-dichloroethylene | 4.1 | 6.2 | 2.3 | 6.9 | 2.1 | 1.1 | 4.1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | 6.1 | .6 | 1.5 | .8 | 1.8 | .6 | 1.6 |
| Copper, total | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Cyanide, total | | | | | | | |
| Delta-bhc | | | | | | | |
| Diallate | | | | | | | |
| Dibenzo(a,h)anthracene | | | | | | | |
| Dibenzofuran | | | | | | | |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | | | | | | |
| Dieldrin | | | | | | | |
| Diethyl phthalate | | | | | | | |
| Dimethoate | | | | | | | |
| Dimethylphthalate | | | | | | | |
| Di-n-butyl phthalate | | | | | | | |
| Di-n-octyl phthalate | | | | | | | |
| Dinoseb | | | | | | | |
| Diphenylamine | | | | | | | |
| Disulfoton | | | | | | | |
| Endosulfan i | | | | | | | |
| Endosulfan ii | | | | | | | |
| Endosulfan sulfate | | | | | | | |
| Endrin | | | | | | | |
| Endrin aldehyde | | | | | | | |
| Ethyl methacrylate | | | | | | | |
| Ethyl methanesulfonate | | | | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | | | | | | | |
| Fluoranthene | | | | | | | |
| Fluorene | | | | | | | |
| Gamma-bhc (lindane) | | | | | | | |
| Heptachlor | | | | | | | |

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

## Table 9

## Analytical Data Summary for TILE 2

| Constituents | Units | 9/10/2018 | 3/26/2019 | 6/5/2019 | 9/16/2019 | 3/23/2020 3/24/2020 | 9/2/2020 | 3/8/2021 | 9/14/2021 | 3/28/2022 |
|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | ug/L | | | | | | | <.05 | | <.05 |
| Hexachlorobenzene | ug/L | | | | | | | <.05 | | <.05 |
| Hexachlorobutadiene | ug/L | | | | | | | <8 | | <8 |
| Hexachlorocyclopentadiene | ug/L | | | | | | | <8 | | <8 |
| Hexachloroethane | ug/L | | | | | | | <8 | | <8 |
| Hexachloropropene | ug/L | | | | | | | <8 | | <8 |
| Indeno(1,2,3-cd)pyrene | ug/L | | | | | | | <8 | | <8 |
| Isobutanol | mg/L | | | | | | | <1 | | <1 |
| Isodrin | ug/L | | | | | | | <8 | | <8 |
| Isophorone | ug/L | | | | | | | <8 | | <8 |
| Isosafrole | ug/L | | | | | | | <8 | | <8 |
| Kepone | ug/L | | | | | | | <8 | | <8 |
| Lead, total | ug/L | | | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Mercury, total | ug/L | | | | | | | <.5 | | <.5 |
| Methacrylonitrile | ug/L | | | | | | | <1 | | <1 |
| Methapyrilene | ug/L | | | | | | | <8 | | <8 |
| Methoxychlor | ug/L | | | | | | | <.05 | | <.05 |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <2 |
| Methyl methacrylate | ug/L | | | | | | | <1 | | <1 |
| Methyl methanesulfonate | ug/L | | | | | | | <8 | | <8 |
| Methyl parathion | ug/L | | | | | | | <.4 | | <.4 |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | ug/L | | | | | | | <8 | | <8 |
| Nickel, total | ug/L | | | 6.8 | 9.4 | 5.6 | 11.2 | 6.6 | 8.7 | 5.1 |
| Nitrobenzene | ug/L | | | | | | | <8 | | <8 |
| N-nitrosodiethylamine | ug/L | | | | | | | <8 | | <8 |
| N-nitrosodimethylamine | ug/L | | | | | | | <8 | | <8 |
| N-nitrosodi-n-butylamine | ug/L | | | | | | | <8 | | <8 |
| N-nitroso-di-n-propylamine | ug/L | | | | | | | <8 | | <8 |
| N-nitrosodiphenylamine | ug/L | | | | | | | <8 | | <8 |
| N-nitrosomethylethylamine | ug/L | | | | | | | <8 | | <8 |
| N-nitrosopiperidine | ug/L | | | | | | | <8 | | <8 |
| N-nitrosopyrrolidine | ug/L | | | | | | | <8 | | <8 |
| O,o,o-triethyl phosphorothioate | ug/L | | | | | | | <.4 | | <.4 |
| O-toluidine | ug/L | | | | | | | <8 | | <8 |
| Parathion | ug/L | | | | | | | <.4 | | <.4 |
| P-dimethylaminoazobenzene | ug/L | | | | | | | <8 | | <8 |
| Pentachlorobenzene | ug/L | | | | | | | <8 | | <8 |
| Pentachloronitrobenzene (pcnb) | ug/L | | | | | | | <8 | | <8 |
| Pentachlorophenol | ug/L | | | | | | | <8 | | <8 |
| Phenacetin | ug/L | | | | | | | <8 | | <8 |
| Phenanthrene | ug/L | | | | | | | <8 | | <8 |
| Phenol | ug/L | | | | | | | <8 | | <8 |
| Phorate | ug/L | | | | | | | <.4 | | <.4 |
| Pronamide | ug/L | | | | | | | <8 | | <8 |
| Propionitrile | ug/L | | | | | | | <10 | | <10 |
| Pyrene | ug/L | | | | | | | <8 | | <8 |
| Safrole | ug/L | | | | | | | <8 | | <8 |
| Selenium, total | ug/L | | | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Silver, total | ug/L | | | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total | mg/L | | | | | | | <.1 | | <.1 |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | ug/L | | | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Thionazin | ug/L | | | | | | | <.4 | | <.4 |
| Tin, total | ug/L | | | | | | | <20 | | <20 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | ug/L | | | | | | | <.2 | | <.2 |
| Trans-1,2-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | ug/L | | | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | ug/L | <1.0 | 6.2 | <1.0 | 8.3 | 3.5 | 4.7 | 2.4 | 3.3 | 1.3 |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | ug/L | | | 8.7 | <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 TILE 2

| Constituents | 9/13/2022 | 3/23/2023 | 9/5/2023 | 3/6/2024 | 9/18/2024 9/19/2024 | 3/10/2025 3/11/2025 | 9/4/2025 |
|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | | | | | | | |
| Hexachlorobenzene | | | | | | | |
| Hexachlorobutadiene | | | | | | | |
| Hexachlorocyclopentadiene | | | | | | | |
| Hexachloroethane | | | | | | | |
| Hexachloropropene | | | | | | | |
| Indeno(1,2,3-cd)pyrene | | | | | | | |
| Isobutanol | | | | | | | |
| Isodrin | | | | | | | |
| Isophorone | | | | | | | |
| Isosafrole | | | | | | | |
| Kepone | | | | | | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <1 |
| Mercury, total | | | | | | | |
| Methacrylonitrile | | | | | | | |
| Methapyrilene | | | | | | | |
| Methoxychlor | | | | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | | | | | | | |
| Methyl methanesulfonate | | | | | | | |
| Methyl parathion | | | | | | | |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | | | | | | |
| Nickel, total | 11.7 | 4.3 | 7.7 | 5.8 | 8.2 | 4.0 | 10.0 |
| Nitrobenzene | | | | | | | |
| N-nitrosodiethylamine | | | | | | | |
| N-nitrosodimethylamine | | | | | | | |
| N-nitrosodi-n-butylamine | | | | | | | |
| N-nitroso-di-n-propylamine | | | | | | | |
| N-nitrosodiphenylamine | | | | | | | |
| N-nitrosomethylethylamine | | | | | | | |
| N-nitrosopiperidine | | | | | | | |
| N-nitrosopyrrolidine | | | | | | | |
| O,o,o-triethyl phosphorothioate | | | | | | | |
| O-toluidine | | | | | | | |
| Parathion | | | | | | | |
| P-dimethylaminoazobenzene | | | | | | | |
| Pentachlorobenzene | | | | | | | |
| Pentachloronitrobenzene (pcnb) | | | | | | | |
| Pentachlorophenol | | | | | | | |
| Phenacetin | | | | | | | |
| Phenanthrene | | | | | | | |
| Phenol | | | | | | | |
| Phorate | | | | | | | |
| Pronamide | | | | | | | |
| Propionitrile | | | | | | | |
| Pyrene | | | | | | | |
| Safrole | | | | | | | |
| Selenium, total | <4 | <4 | <4 | <4 | <4 | <4 | <2 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <5 |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfide, total | | | | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <.5 |
| Thionazin | | | | | | | |
| Tin, total | | | | | | | |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | | | | | | | |
| Trans-1,2-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <2 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | 1.6 | 1.9 | 1.6 | 1.0 | 2.7 | <1.0 | 4.2 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <5.0 |

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

Table 10 – Historic SSI and SSL

**Table 10**
**Historic SSI & SSL**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| KEY: | SSI | SSL LCL>GWPS | SSL UCL>GWPS |
|---|---|---|---|

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

| Monitoring Well | Compound | Sample Date | Each Result (ug/L) | 95% LCL (ug/L) | 95% UCL (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|---|---|
| Tile2 | Vinyl Chloride | 9/10/2018 | <1.0 | --- | --- | 2 |
| Tile2 | Vinyl Chloride | 3/26/2019 | **6.20** | --- | --- | 2 |
| Tile2 | Vinyl Chloride | 6/5/2019 | <1.0 | --- | --- | 2 |
| Tile2 | Vinyl Chloride | 9/16/2019 | **8.30** | 0.000 | 8.569 | 2 |
| Tile2 | Vinyl Chloride | 3/24/2020 | **3.50** | 0.649 | 8.601 | 2 |
| Tile2 | Vinyl Chloride | 9/2/2020 | **4.70** | 0.455 | 8.045 | 2 |
| Tile2 | Vinyl Chloride | 3/8/2021 | **2.40** | 1.712 | 7.738 | 2 |
| Tile2 | Vinyl Chloride | 9/14/2021 | **3.30** | 2.362 | 4.588 | 2 |
| Tile2 | Vinyl Chloride | 3/28/2022 | **1.30** | 1.233 | 4.617 | 2 |
| Tile2 | Vinyl Chloride | 9/13/2022 | **1.60** | 1.096 | 3.204 | 2 |
| Tile2 | Vinyl Chloride | 3/23/2023 | **1.90** | 0.984 | 3.066 | 2 |
| Tile2 | Vinyl Chloride | 9/5/2023 | **1.60** | 1.312 | 1.888 | 2 |
| Tile2 | Vinyl Chloride | 3/6/2024 | **1.00** | 1.081 | 1.969 | 2 |
| Tile2 | Vinyl Chloride | 9/18/2024 | **2.70** | 0.968 | 2.632 | 2 |
| Tile2 | Vinyl Chloride | 3/11/2025 | <1.0 | 0.336 | 2.564 | 2 |
| Tile2 | Vinyl Chloride | 9/4/2025 | **4.20** | 0.115 | 4.085 | 2 |

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

Table 11 – Corrective Action Trend Analysis – Tile 2

**Table 11**
**Corrective Action Trend Analysis**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Monitoring Well | Compound | Sample Date | Current Condition | Trend | N | Projected Year to Completion (IAC 113.10(9)"e" |
|---|---|---|---|---|---|---|
| Tile2 | Vinyl Chloride | 9/10/2018 | No-SSI | NA | **1** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 3/26/2019 | SSI | NA | **2** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 6/5/2019 | No-SSI | NA | **3** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 9/16/2019 | SSI | NA | **4** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 3/24/2020 | SSI | NA | **5** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 9/2/2020 | SSI | NA | **6** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 3/8/2021 | SSI | NA | **7** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 9/14/2021 | **SSL** | Static | **8** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 3/28/2022 | **SSL** | Static | **9** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 9/13/2022 | **SSL** | Static | **10** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 3/23/2023 | **SSL** | Static | **11** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 9/5/2023 | **SSL** | Static | **12** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 3/6/2024 | **SSL** | Static | **13** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 9/18/2024 | **SSL** | Static | **14** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 3/11/2025 | **SSL** | Static | **15** | Complete - Treated in PECS |
| Tile2 | Vinyl Chloride | 9/4/2025 | **SSL** | Static | **16** | Complete - Treated in PECS |

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

Table 11A – Corrective Action Trend Analysis – All

**Table 11A**
**Remedy Progress**
**Annual Water Quality Report**
**South Central Iowa Landfill Agency (SCILA)**
**Permit No. 61-SDP-01-78P**

Key

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

| Well | Constituent | 1st Semester | 2nd Semester | 1st Semester | 2nd Semester | 1st Semester | 2nd Semester | 1st Semester | 2nd Semester | 1st Semester | 2nd Semester | 1st Semester | 2nd Semester |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-21 (AZPOC)** - related to Supplemental Well MW-8B | Cobalt | 2020 | 2020 | 2021 | 2021 | 2022 | 2022 | 2023 | 2023 | 2024 | 2024 | 2025 | 2025 |
| **MW-44 (AZPOC)** - related to Supplemental Well MW-15R | Arsenic | --- | --- | --- | --- | --- | --- | --- | 2023 | 2024 | 2024 | 2025 | 2025 |
| **Tile 1(AZPOC)** - related to Supplemental Well MW-9AR | Cobalt | 2020 | 2020 | 2021 | 2021 | 2022 | 2022 | 2023 | 2023 | 2024 | 2024 | 2025 | 2025 |
| | cis-1,2-dichloroethene | 2020 | 2020 | 2021 | 2021 | 2022 | 2022 | 2023 | 2023 | 2024 | 2024 | 2025 | 2025 |
| | Vinyl Chloride | 2020 | 2020 | 2021 | 2021 | 2022 | 2022 | 2023 | 2023 | 2024 | 2024 | 2025 | 2025 |
| **Tile 2 (AZPOC)** - related to Supplemental Well MW-9AR | Cobalt | 2020 | 2020 | 2021 | 2021 | 2022 | 2022 | 2023 | 2023 | 2024 | 2024 | 2025 | 2025 |
| | cis-1,2-dichloroethene | 2020 | 2020 | 2021 | 2021 | 2022 | 2022 | 2023 | 2023 | 2024 | 2024 | 2025 | 2025 |
| | Vinyl Chloride | --- | --- | --- | | | | | | | | | |
| **SW-102 (PECS)** - related to Tile 2 VOC Discharge | Vinyl Chloride | --- | --- | --- | 2021 | 2022 | 2022 | 2023 | 2023 | 2024 | 2024 | 2025 | 2025 |

Table 12 – Passive Engineered Conveyance Structure Monitoring Results (SW-102)

Key

Exceeds GWPS

**Table 12 - PECS Testing Results**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| PECS Monitoring Point | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| SW-102 | 1,1-dichloroethane | 9/20/2016 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 3/9/2017 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 9/14/2017 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 3/12/2018 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 9/10/2018 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 3/26/2019 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 9/16/2019 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 3/24/2020 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 9/2/2020 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 3/8/2021 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 9/14/2021 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 3/28/2022 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 9/13/2022 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 3/23/2023 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 9/5/2023 | Dry | 140 |
| SW-102 | 1,1-dichloroethane | 3/6/2024 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 9/18/2024 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 3/10/2025 | <1.0 | 140 |
| SW-102 | 1,1-dichloroethane | 9/4/2025 | <1.0 | 140 |

Key

Exceeds GWPS

**Table 12 - PECS Testing Results**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| PECS Monitoring Point | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| SW-102 | 1,2-dichloropropane | 9/20/2016 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 3/9/2017 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 9/14/2017 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 3/12/2018 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 9/10/2018 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 3/26/2019 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 9/16/2019 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 3/24/2020 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 9/2/2020 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 3/8/2021 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 9/14/2021 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 3/28/2022 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 9/13/2022 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 3/23/2023 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 9/5/2023 | Dry | 5 |
| SW-102 | 1,2-dichloropropane | 3/6/2024 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 9/18/2024 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 3/10/2025 | <1.0 | 5 |
| SW-102 | 1,2-dichloropropane | 9/4/2025 | <1.0 | 5 |

Key

Exceeds GWPS

**Table 12 - PECS Testing Results**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| PECS Monitoring Point | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| SW-102 | 1,4-dichlorobenzene | 9/20/2016 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 3/9/2017 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 9/14/2017 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 3/12/2018 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 9/10/2018 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 3/26/2019 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 9/16/2019 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 3/24/2020 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 9/2/2020 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 3/8/2021 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 9/14/2021 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 3/28/2022 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 9/13/2022 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 3/23/2023 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 9/5/2023 | Dry | 75 |
| SW-102 | 1,4-dichlorobenzene | 3/6/2024 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 9/18/2024 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 3/10/2025 | <1.0 | 75 |
| SW-102 | 1,4-dichlorobenzene | 9/4/2025 | <1.0 | 75 |

Key

Exceeds GWPS

**Table 12 - PECS Testing Results**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| PECS Monitoring Point | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| SW-102 | benzene | 9/20/2016 | <1.0 | 5 |
| SW-102 | benzene | 3/9/2017 | <1.0 | 5 |
| SW-102 | benzene | 9/14/2017 | <1.0 | 5 |
| SW-102 | benzene | 3/12/2018 | <1.0 | 5 |
| SW-102 | benzene | 9/10/2018 | <1.0 | 5 |
| SW-102 | benzene | 3/26/2019 | <1.0 | 5 |
| SW-102 | benzene | 9/16/2019 | <1.0 | 5 |
| SW-102 | benzene | 3/24/2020 | <1.0 | 5 |
| SW-102 | benzene | 9/2/2020 | <1.0 | 5 |
| SW-102 | benzene | 3/8/2021 | <1.0 | 5 |
| SW-102 | benzene | 9/14/2021 | <1.0 | 5 |
| SW-102 | benzene | 3/28/2022 | <1.0 | 5 |
| SW-102 | benzene | 9/13/2022 | <1.0 | 5 |
| SW-102 | benzene | 3/23/2023 | <1.0 | 5 |
| SW-102 | benzene | 9/5/2023 | Dry | 5 |
| SW-102 | benzene | 3/6/2024 | <1.0 | 5 |
| SW-102 | benzene | 9/18/2024 | <1.0 | 5 |
| SW-102 | benzene | 3/10/2025 | <1.0 | 5 |
| SW-102 | benzene | 9/4/2025 | <1.0 | 5 |

Key

Exceeds GWPS

**Table 12 - PECS Testing Results**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| PECS Monitoring Point | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| SW-102 | chlorobenzene | 9/20/2016 | <1.0 | 100 |
| SW-102 | chlorobenzene | 3/9/2017 | <1.0 | 100 |
| SW-102 | chlorobenzene | 9/14/2017 | <1.0 | 100 |
| SW-102 | chlorobenzene | 3/12/2018 | <1.0 | 100 |
| SW-102 | chlorobenzene | 9/10/2018 | <1.0 | 100 |
| SW-102 | chlorobenzene | 3/26/2019 | <1.0 | 100 |
| SW-102 | chlorobenzene | 9/16/2019 | <1.0 | 100 |
| SW-102 | chlorobenzene | 3/24/2020 | <1.0 | 100 |
| SW-102 | chlorobenzene | 9/2/2020 | <1.0 | 100 |
| SW-102 | chlorobenzene | 3/8/2021 | <1.0 | 100 |
| SW-102 | chlorobenzene | 9/14/2021 | <1.0 | 100 |
| SW-102 | chlorobenzene | 3/28/2022 | <1.0 | 100 |
| SW-102 | chlorobenzene | 9/13/2022 | <1.0 | 100 |
| SW-102 | chlorobenzene | 3/23/2023 | <1.0 | 100 |
| SW-102 | chlorobenzene | 9/5/2023 | Dry | 100 |
| SW-102 | chlorobenzene | 3/6/2024 | <1.0 | 100 |
| SW-102 | chlorobenzene | 9/18/2024 | <1.0 | 100 |
| SW-102 | chlorobenzene | 3/10/2025 | <1.0 | 100 |
| SW-102 | chlorobenzene | 9/4/2025 | <1.0 | 100 |

Key

Exceeds GWPS

**Table 12 - PECS Testing Results**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| PECS Monitoring Point | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| SW-102 | cis-1,2-DCE | 9/20/2016 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 3/9/2017 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 9/14/2017 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 3/12/2018 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 9/10/2018 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 3/26/2019 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 9/16/2019 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 3/24/2020 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 9/2/2020 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 3/8/2021 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 9/14/2021 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 3/28/2022 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 9/13/2022 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 3/23/2023 | <1.0 | 70 |
| SW-102 | cis-1,2-DCE | 9/5/2023 | Dry | 70 |
| SW-102 | cis-1,2-DCE | 3/6/2024 | Dry | 70 |
| SW-102 | cis-1,2-DCE | 9/18/2024 | Dry | 70 |
| SW-102 | cis-1,2-DCE | 3/10/2025 | Dry | 70 |
| SW-102 | cis-1,2-DCE | 9/4/2025 | Dry | 70 |

Key

Exceeds GWPS

**Table 12 - PECS Testing Results**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| PECS Monitoring Point | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| SW-102 | trans-1,2-DCE | 9/20/2016 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 3/9/2017 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 9/14/2017 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 3/12/2018 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 9/10/2018 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 3/26/2019 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 9/16/2019 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 3/24/2020 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 9/2/2020 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 3/8/2021 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 9/14/2021 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 3/28/2022 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 9/13/2022 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 3/23/2023 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 9/5/2023 | Dry | 100 |
| SW-102 | trans-1,2-DCE | 3/6/2024 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 9/18/2024 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 3/10/2025 | <1.0 | 100 |
| SW-102 | trans-1,2-DCE | 9/4/2025 | <1.0 | 100 |

Key

Exceeds GWPS

**Table 12 - PECS Testing Results**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| PECS Monitoring Point | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| SW-102 | TCE | 9/20/2016 | <1.0 | 5 |
| SW-102 | TCE | 3/9/2017 | <1.0 | 5 |
| SW-102 | TCE | 9/14/2017 | <1.0 | 5 |
| SW-102 | TCE | 3/12/2018 | <1.0 | 5 |
| SW-102 | TCE | 9/10/2018 | <1.0 | 5 |
| SW-102 | TCE | 3/26/2019 | <1.0 | 5 |
| SW-102 | TCE | 9/16/2019 | <1.0 | 5 |
| SW-102 | TCE | 3/24/2020 | <1.0 | 5 |
| SW-102 | TCE | 9/2/2020 | <1.0 | 5 |
| SW-102 | TCE | 3/8/2021 | <1.0 | 5 |
| SW-102 | TCE | 9/14/2021 | <1.0 | 5 |
| SW-102 | TCE | 3/28/2022 | <1.0 | 5 |
| SW-102 | TCE | 9/13/2022 | <1.0 | 5 |
| SW-102 | TCE | 3/23/2023 | <1.0 | 5 |
| SW-102 | TCE | 9/5/2023 | Dry | 5 |
| SW-102 | TCE | 3/6/2024 | <1.0 | 5 |
| SW-102 | TCE | 9/18/2024 | <1.0 | 5 |
| SW-102 | TCE | 3/10/2025 | <1.0 | 5 |
| SW-102 | TCE | 9/4/2025 | <1.0 | 5 |

Key

Exceeds GWPS

**Table 12 - PECS Testing Results**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| PECS Monitoring Point | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| SW-102 | Vinyl Chloride | 9/20/2016 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 3/9/2017 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 9/14/2017 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 3/12/2018 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 9/10/2018 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 3/26/2019 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 9/16/2019 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 3/24/2020 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 9/2/2020 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 3/8/2021 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 9/14/2021 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 3/28/2022 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 9/13/2022 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 3/23/2023 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 9/5/2023 | Dry | 2 |
| SW-102 | Vinyl Chloride | 3/6/2024 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 9/18/2024 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 3/10/2025 | <1.0 | 2 |
| SW-102 | Vinyl Chloride | 9/4/2025 | <1.0 | 2 |

Table 13 – CAMP Wells MW-31 and MW-32

Key

Exceeds GWPS

**Table 13 (CAMP)**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Monitoring Well | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| MW-31 | 1,4-dichlorobenzene | 9/20/2016 | **5.20** | 75 |
| MW-31 | 1,4-dichlorobenzene | 3/9/2017 | **6.20** | 75 |
| MW-31 | 1,4-dichlorobenzene | 9/14/2017 | **6.10** | 75 |
| MW-31 | 1,4-dichlorobenzene | 3/12/2018 | **6.30** | 75 |
| MW-31 | 1,4-dichlorobenzene | 9/10/2018 | **3.80** | 75 |
| MW-31 | 1,4-dichlorobenzene | 3/26/2019 | **6.00** | 75 |
| MW-31 | 1,4-dichlorobenzene | 9/16/2019 | **5.00** | 75 |
| MW-31 | 1,4-dichlorobenzene | 3/24/2020 | **Dry** | 75 |
| MW-31 | 1,4-dichlorobenzene | 9/2/2020 | **4.80** | 75 |
| MW-31 | 1,4-dichlorobenzene | 3/8/2021 | **4.60** | 75 |
| MW-31 | 1,4-dichlorobenzene | 3/28/2022 | **4.80** | 75 |
| MW-31 | 1,4-dichlorobenzene | 3/23/2023 | **3.50** | 75 |
| MW-31 | 1,4-dichlorobenzene | 9/18/2024 | **1.00** | 75 |
| MW-31 | 1,4-dichlorobenzene | 3/10/2025 | <1.0 | 75 |

Key

Exceeds GWPS

**Table 13 (CAMP)**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
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| Monitoring Well | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| MW-31 | benzene | 9/20/2016 | **3.30** | 5 |
| MW-31 | benzene | 3/9/2017 | **5.00** | 5 |
| MW-31 | benzene | 9/14/2017 | **4.00** | 5 |
| MW-31 | benzene | 3/12/2018 | **5.00** | 5 |
| MW-31 | benzene | 9/10/2018 | **2.10** | 5 |
| MW-31 | benzene | 3/26/2019 | **1.50** | 5 |
| MW-31 | benzene | 9/16/2019 | **1.50** | 5 |
| MW-31 | benzene | 3/24/2020 | **Dry** | 5 |
| MW-31 | benzene | 9/2/2020 | **1.30** | 5 |
| MW-31 | benzene | 3/8/2021 | **1.20** | 5 |
| MW-31 | benzene | 3/28/2022 | **1.40** | 5 |
| MW-31 | benzene | 3/23/2023 | **1.40** | 5 |
| MW-31 | benzene | 9/18/2024 | <1.0 | 5 |
| MW-31 | benzene | 3/10/2025 | <1.0 | 5 |

Key

Exceeds GWPS

**Table 13 (CAMP)**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Monitoring Well | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| MW-31 | chlorobenzene | 9/20/2016 | **7.00** | 100 |
| MW-31 | chlorobenzene | 3/9/2017 | **8.40** | 100 |
| MW-31 | chlorobenzene | 9/14/2017 | **8.60** | 100 |
| MW-31 | chlorobenzene | 3/12/2018 | **8.60** | 100 |
| MW-31 | chlorobenzene | 9/10/2018 | **6.20** | 100 |
| MW-31 | chlorobenzene | 3/26/2019 | **5.90** | 100 |
| MW-31 | chlorobenzene | 9/16/2019 | **4.50** | 100 |
| MW-31 | chlorobenzene | 3/24/2020 | **Dry** | 100 |
| MW-31 | chlorobenzene | 9/2/2020 | **2.70** | 100 |
| MW-31 | chlorobenzene | 3/8/2021 | **3.00** | 100 |
| MW-31 | chlorobenzene | 3/28/2022 | **2.90** | 100 |
| MW-31 | chlorobenzene | 3/23/2023 | **1.90** | 100 |
| MW-31 | chlorobenzene | 9/18/2024 | <1.0 | 100 |
| MW-31 | chlorobenzene | 3/10/2025 | <1.0 | 100 |

Key

Exceeds GWPS

**Table 13 (CAMP)**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Monitoring Well | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| MW-31 | cis-1,2-DCE | 9/20/2016 | <1.0 | 70 |
| MW-31 | cis-1,2-DCE | 3/9/2017 | <1.0 | 70 |
| MW-31 | cis-1,2-DCE | 9/14/2017 | <1.0 | 70 |
| MW-31 | cis-1,2-DCE | 3/12/2018 | **2.50** | 70 |
| MW-31 | cis-1,2-DCE | 9/10/2018 | <1.0 | 70 |
| MW-31 | cis-1,2-DCE | 3/26/2019 | **4.10** | 70 |
| MW-31 | cis-1,2-DCE | 9/16/2019 | **2.30** | 70 |
| MW-31 | cis-1,2-DCE | 3/24/2020 | **Dry** | 70 |
| MW-31 | cis-1,2-DCE | 9/2/2020 | <1.0 | 70 |
| MW-31 | cis-1,2-DCE | 3/8/2021 | **1.70** | 70 |
| MW-31 | cis-1,2-DCE | 3/28/2022 | <1.0 | 70 |
| MW-31 | cis-1,2-DCE | 3/23/2023 | <1.0 | 70 |
| MW-31 | cis-1,2-DCE | 9/18/2024 | <1.0 | 70 |
| MW-31 | cis-1,2-DCE | 3/10/2025 | <1.0 | 70 |

Key

Exceeds GWPS

**Table 13 (CAMP)**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Monitoring Well | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| MW-31 | Vinyl Chloride | 9/20/2016 | <1.0 | 2 |
| MW-31 | Vinyl Chloride | 3/9/2017 | <1.0 | 2 |
| MW-31 | Vinyl Chloride | 9/14/2017 | **1.60** | 2 |
| MW-31 | Vinyl Chloride | 3/12/2018 | **2.20** | 2 |
| MW-31 | Vinyl Chloride | 9/10/2018 | <1.0 | 2 |
| MW-31 | Vinyl Chloride | 3/26/2019 | **2.10** | 2 |
| MW-31 | Vinyl Chloride | 9/16/2019 | **1.00** | 2 |
| MW-31 | Vinyl Chloride | 3/24/2020 | **Dry** | 2 |
| MW-31 | Vinyl Chloride | 9/2/2020 | <1.0 | 2 |
| MW-31 | Vinyl Chloride | 3/8/2021 | **1.90** | 2 |
| MW-31 | Vinyl Chloride | 3/28/2022 | <1.0 | 2 |
| MW-31 | Vinyl Chloride | 3/23/2023 | <1.0 | 2 |
| MW-31 | Vinyl Chloride | 9/18/2024 | <1.0 | 2 |
| MW-31 | Vinyl Chloride | 3/10/2025 | <1.0 | 2 |

Key

Exceeds GWPS

**Table 13 (CAMP)**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Monitoring Well | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| MW-31 | Xylenes | 9/20/2016 | <1.0 | 10000 |
| MW-31 | Xylenes | 3/9/2017 | **3.00** | 10000 |
| MW-31 | Xylenes | 9/14/2017 | <1.0 | 10000 |
| MW-31 | Xylenes | 3/12/2018 | <1.0 | 10000 |
| MW-31 | Xylenes | 9/10/2018 | <1.0 | 10000 |
| MW-31 | Xylenes | 3/26/2019 | **2.00** | 10000 |
| MW-31 | Xylenes | 9/16/2019 | <1.0 | 10000 |
| MW-31 | Xylenes | 3/24/2020 | **Dry** | 10000 |
| MW-31 | Xylenes | 9/2/2020 | <2.0 | 10000 |
| MW-31 | Xylenes | 3/8/2021 | <2.0 | 10000 |
| MW-31 | Xylenes | 3/28/2022 | <2.0 | 10000 |

Key

Exceeds GWPS

**Table 13 (CAMP)**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Monitoring Well | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| MW-32 | chlorobenzene | 9/20/2016 | **1.60** | 100 |
| MW-32 | chlorobenzene | 3/9/2017 | **2.70** | 100 |
| MW-32 | chlorobenzene | 9/14/2017 | **2.70** | 100 |
| MW-32 | chlorobenzene | 3/12/2018 | **3.90** | 100 |
| MW-32 | chlorobenzene | 9/10/2018 | **1.70** | 100 |
| MW-32 | chlorobenzene | 3/26/2019 | **1.10** | 100 |
| MW-32 | chlorobenzene | 9/16/2019 | **3.00** | 100 |
| MW-32 | chlorobenzene | 3/24/2020 | **2.80** | 100 |
| MW-32 | chlorobenzene | 9/2/2020 | **2.00** | 100 |
| MW-32 | chlorobenzene | 3/8/2021 | **1.20** | 100 |
| MW-32 | chlorobenzene | 3/28/2022 | **2.50** | 100 |
| MW-32 | chlorobenzene | 3/23/2023 | <1.0 | 100 |
| MW-32 | chlorobenzene | 3/6/2024 | **2.20** | 100 |
| MW-32 | chlorobenzene | 3/10/2025 | **1.40** | 100 |
| MW-32 | chlorobenzene | 9/4/2025 | **1.10** | 100 |

Key

Exceeds GWPS

**Table 13 (CAMP)**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Monitoring Well | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| MW-32 | cis-1,2-DCE | 9/20/2016 | **1.90** | 70 |
| MW-32 | cis-1,2-DCE | 3/9/2017 | **2.40** | 70 |
| MW-32 | cis-1,2-DCE | 9/14/2017 | **1.00** | 70 |
| MW-32 | cis-1,2-DCE | 3/12/2018 | <1.0 | 70 |
| MW-32 | cis-1,2-DCE | 9/10/2018 | <1.0 | 70 |
| MW-32 | cis-1,2-DCE | 3/26/2019 | **1.60** | 70 |
| MW-32 | cis-1,2-DCE | 9/16/2019 | **2.90** | 70 |
| MW-32 | cis-1,2-DCE | 3/24/2020 | **1.50** | 70 |
| MW-32 | cis-1,2-DCE | 9/2/2020 | <1.0 | 70 |
| MW-32 | cis-1,2-DCE | 3/8/2021 | <1.0 | 70 |
| MW-32 | cis-1,2-DCE | 3/28/2022 | **1.00** | 70 |
| MW-32 | cis-1,2-DCE | 3/23/2023 | <1.0 | 70 |
| MW-32 | cis-1,2-DCE | 3/6/2024 | <1.0 | 70 |
| MW-32 | cis-1,2-DCE | 3/10/2025 | <1.0 | 70 |
| MW-32 | cis-1,2-DCE | 9/4/2025 | <1.0 | 70 |

Key

Exceeds GWPS

**Table 13 (CAMP)**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

| Monitoring Well | Compound | Date | Result (ug/L) | GWPS Limit (ug/L) |
|---|---|---|---|---|
| MW-32 | Vinyl Chloride | 9/20/2016 | <1.0 | 2 |
| MW-32 | Vinyl Chloride | 3/9/2017 | **1.20** | 2 |
| MW-32 | Vinyl Chloride | 9/14/2017 | <1.0 | 2 |
| MW-32 | Vinyl Chloride | 3/12/2018 | <1.0 | 2 |
| MW-32 | Vinyl Chloride | 9/10/2018 | <1.0 | 2 |
| MW-32 | Vinyl Chloride | 3/26/2019 | <1.0 | 2 |
| MW-32 | Vinyl Chloride | 9/16/2019 | <1.0 | 2 |
| MW-32 | Vinyl Chloride | 3/24/2020 | <1.0 | 2 |
| MW-32 | Vinyl Chloride | 9/2/2020 | <1.0 | 2 |
| MW-32 | Vinyl Chloride | 3/8/2021 | <1.0 | 2 |
| MW-32 | Vinyl Chloride | 3/28/2022 | <1.0 | 2 |

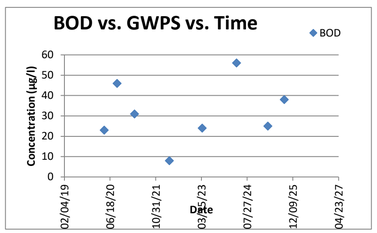
Table 14 – CAMP Leachate Well LW-26 Leachate Quality Over Time

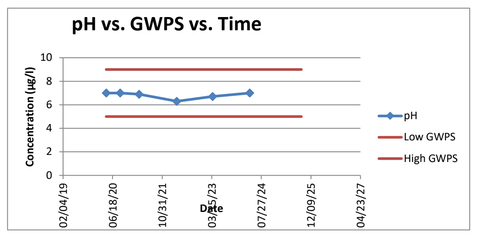
Table 14

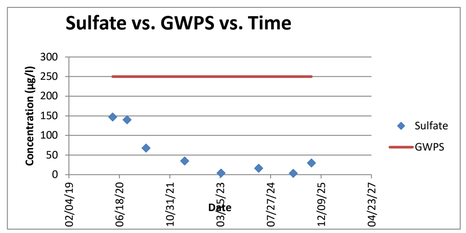
**Leachate Well LW-26 - Leachate Quality over Time**

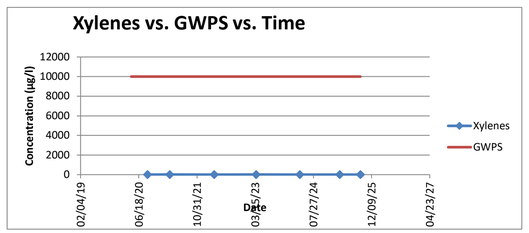
Annual Water Quality Report
SCILA Sanitary Landfill
Permit No. 61-SDP-01-78P

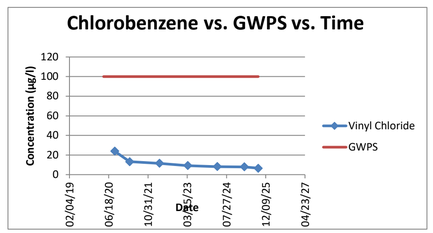
| Sample Date | BOD Concentration mg/L | GWPS mg/L | Alkalinity Concentration mg/L | GWPS mg/L | Nitrogen (NH3) Concentration mg/L | GWPS mg/L | pH Concentration mg/L | Low GWPS mg/L | High GWPS mg/L | TDS Concentration mg/L | GWPS mg/L | chloride Concentration mg/L | GWPS mg/L | Sulfate Concentration mg/L | GWPS mg/L | Benzene Concentration ug/L | GWPS ug/L | Ethyl Benzene Concentration ug/L | GWPS ug/L | Xylene Concentration ug/L | GWPS ug/L | 1,4-dichlorobenzene Concentration ug/L | GWPS ug/L | 2-Butanone (MEK) Concentration ug/L | GWPS ug/L | Chlorobenzene Concentration ug/L | GWPS ug/L | Cobalt Concentration ug/L | GWPS ug/L | Methane Concentration mg/L | GWPS mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/14/2020 | 23 | none | 1410 | none | 164 | 30 | 7 | 5 | 9 | 2300 | none | 867 | none | 147 | 250 | | 5 | | 700 | | 10000 | | 75 | | 4000 | | 100 | | 2.1 | | none |
| 9/2/2020 | 46 | none | 1890 | none | 235 | 30 | 7 | 5 | 9 | 3080 | none | 1040 | none | 140 | 250 | 4.1 | 5 | 1 | 700 | 3.7 | 10000 | 14 | 75 | 9.4 | 4000 | 23.9 | 100 | 14.6 | 2.1 | 6.96 | none |
| 3/11/2021 | 31 | none | 1160 | none | 123 | 30 | 6.9 | 5 | 9 | 1990 | none | 678 | none | 67.4 | 250 | 3.3 | 5 | 0.5 | 700 | 2.6 | 10000 | 8.2 | 75 | 2.5 | 4000 | 13.3 | 100 | 15 | 2.1 | 5.04 | none |
| 3/28/2022 | 8 | none | 240 | none | 11.4 | 30 | 6.3 | 5 | 9 | 350 | none | 75.4 | none | 34.8 | 250 | 2.3 | 5 | 0.5 | 700 | 1 | 10000 | 7.1 | 75 | 2.5 | 4000 | 11.5 | 100 | 1 | 2.1 | 2.71 | none |
| 3/23/2023 | 24 | none | 473 | none | 38.2 | 30 | 6.7 | 5 | 9 | 732 | none | 259 | none | 4 | 250 | 2.4 | 5 | 0.5 | 700 | 2.8 | 10000 | 5.6 | 75 | 5 | 4000 | 9.2 | 100 | 5.6 | 2.1 | 1.93 | none |
| 4/1/2024 | 56 | none | 1520 | none | 252 | 30 | 7 | 5 | 9 | 2350 | none | | none | 16.2 | 250 | 9.7 | 5 | 0.5 | 700 | 1 | 10000 | 3.7 | 75 | 5 | 4000 | 8.2 | 100 | 11.2 | 2.1 | 1.26 | none |
| 3/10/2025 | 25 | none | | none | 237 | 30 | | 5 | 9 | 2550 | none | 899 | none | 3.1 | 250 | 7.1 | 5 | 0.5 | 700 | 1 | 10000 | 0.5 | 75 | 5 | 4000 | 7.9 | 100 | 14.3 | 2.1 | 6.55 | none |
| 9/4/2025 | 38 | none | | none | 208 | 30 | | 5 | 9 | 2830 | none | 960 | none | 29.6 | 250 | 6.6 | 5 | 0.5 | 700 | 1 | 10000 | 3.4 | 75 | 5 | 4000 | 6.6 | 100 | 10.7 | 2.1 | 4.23 | none |

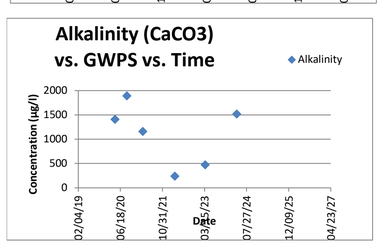


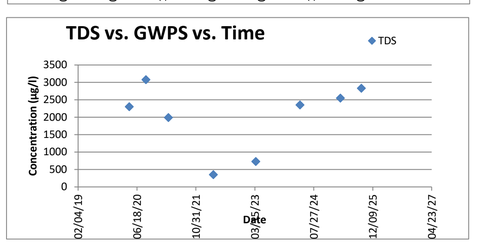



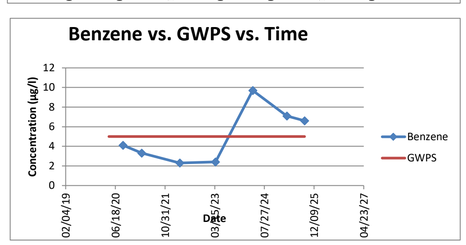



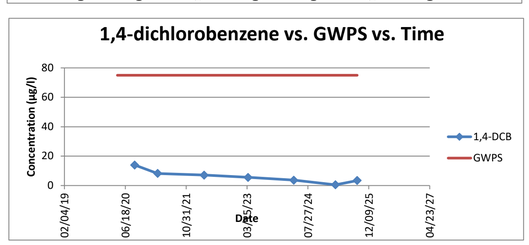



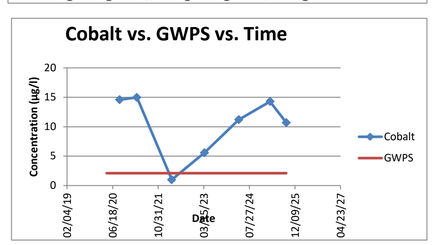



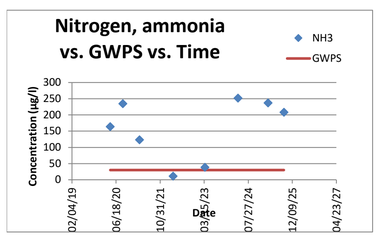



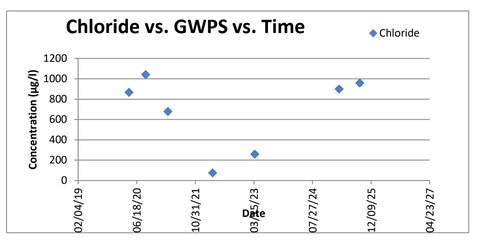



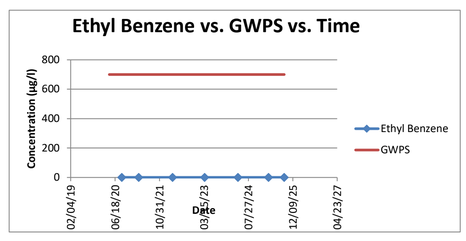



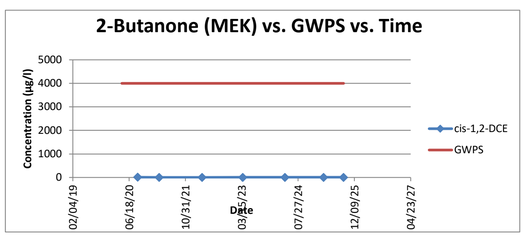



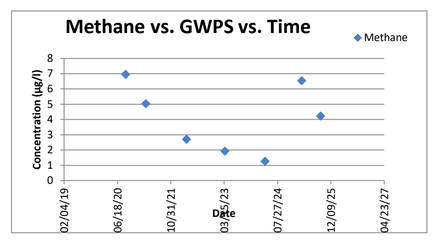



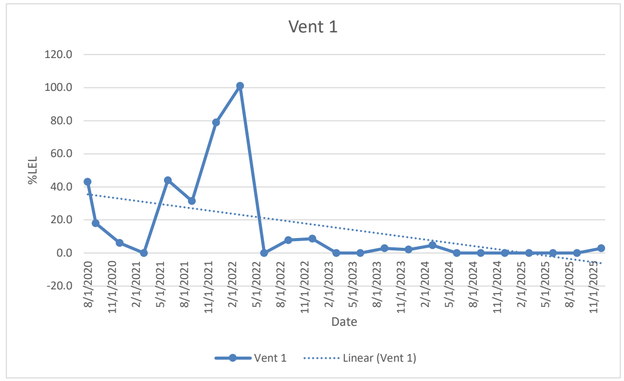
Table 15 – CAMP Vent Gas Evaluation Over Time

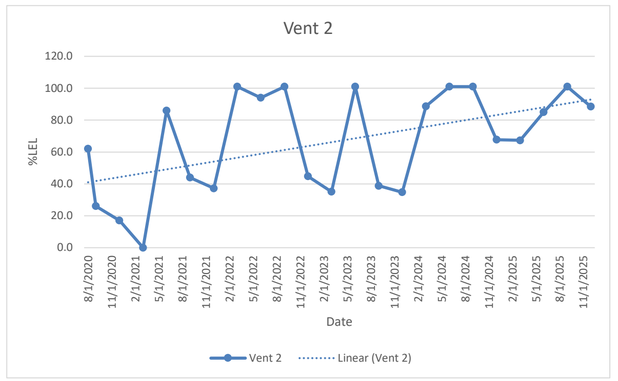
**Table 15**
**SRAMP Vent Gas Evaluation**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

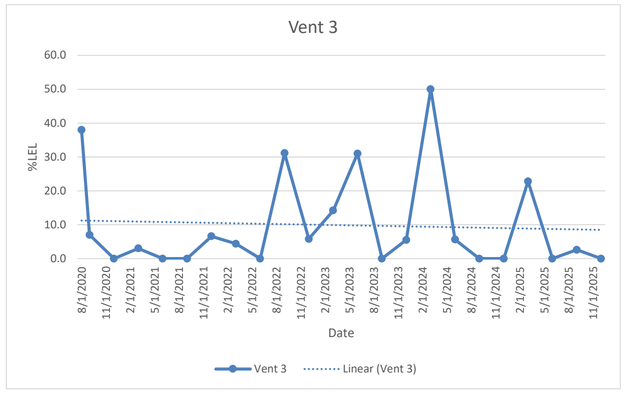
%LEL

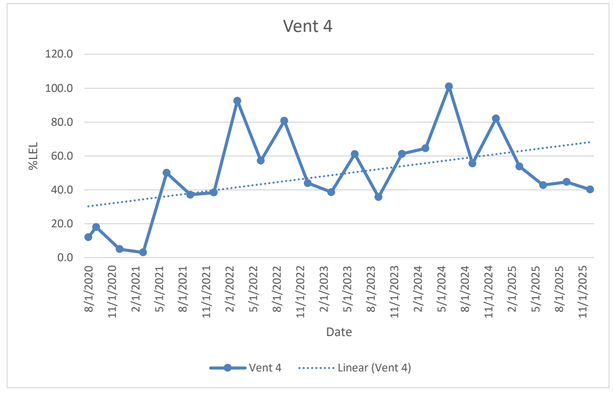
| Date | Vent 1 | Vent 2 | Vent 3 | Vent 4 | Vent 5 | Vent 6 |
|---|---|---|---|---|---|---|
| 8/18/2020 | 43.0 | 62.0 | 38.0 | 12.0 | 13.0 | 65.0 |
| 9/2/2020 | 18.0 | 26.0 | 7.0 | 18.0 | 18.0 | 56.0 |
| 12/28/2020 | 6.0 | 17.0 | 0.0 | 5.0 | 4.0 | 61.0 |
| 3/8/2021 | 0.0 | 0.0 | 3.0 | 3.0 | 0.0 | 79.0 |
| 6/4/2021 | 44.0 | 86.0 | 0.0 | 50.0 | 50.0 | 87.0 |
| 9/14/2021 | 31.4 | 44.0 | 0.0 | 37.1 | 20.1 | 101 |
| 12/1/2021 | 78.9 | 37.2 | 6.6 | 38.4 | 40.5 | 99.9 |
| 3/28/2022 | 101 | 101 | 4.4 | 92.6 | 97.3 | 101 |
| 6/20/2022 | 0.0 | 94 | 0.0 | 57.2 | 38.0 | 101 |
| 9/13/2022 | 7.8 | 101 | 31.1 | 80.7 | 50.0 | 101 |
| 12/1/2022 | 8.6 | 44.7 | 5.8 | 44.0 | 39.6 | 101 |
| 3/23/2023 | 0.0 | 35.1 | 14.2 | 38.6 | 41.9 | 32.3 |
| 6/7/2023 | 0.0 | 101 | 31.0 | 61.1 | 101 | 101 |
| 9/5/2023 | 2.8 | 38.8 | 0.0 | 35.7 | 41.2 | 101 |
| 12/14/2023 | 2.0 | 34.7 | 5.5 | 61.3 | 45.1 | 101 |
| 3/6/2024 | 4.7 | 88.7 | 50.0 | 64.5 | 13.6 | 101 |
| 6/3/2024 | 0.0 | 101 | 5.6 | 101 | 101 | 101 |
| 9/18/2024 | 0.0 | 101 | 0.0 | 55.5 | 68.9 | 101 |
| 12/9/2024 | 0.0 | 67.7 | 0.0 | 82.1 | 57.9 | 84.3 |
| 3/10/2025 | 0.0 | 67.3 | 22.8 | 53.8 | 101 | 101 |
| 6/2/2025 | 0.0 | 85 | 0.0 | 42.8 | 31.4 | 68 |
| 9/4/2025 | 0.0 | 101 | 2.6 | 44.6 | 64.5 | 101 |
| 12/20/2025 | 2.8 | 88.5 | 0.0 | 40.2 | 34.6 | 29.9 |

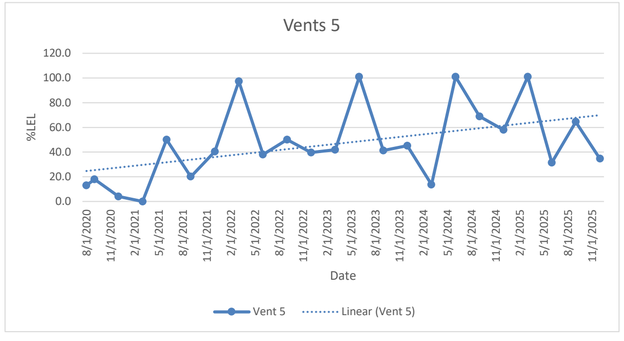
KEY: 101 = a value that exceeds 100% of the LEL



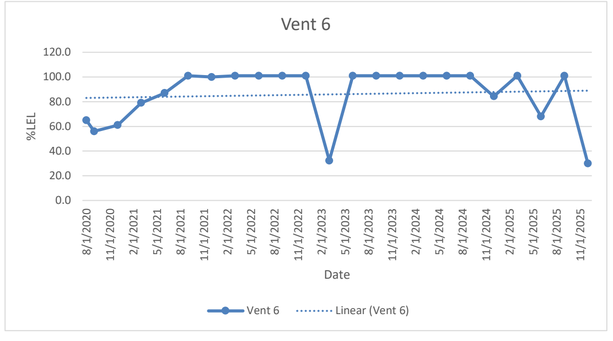



Table 16 – CAMP Evaluation of Methane, Ethane, Ethene, Alkalinity and pH

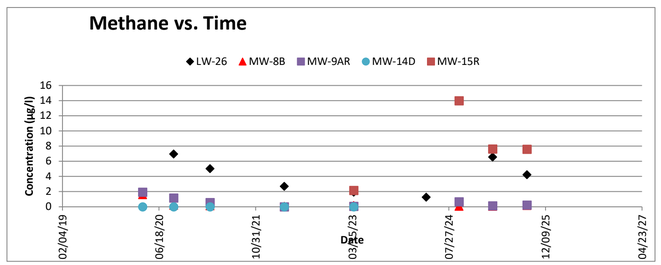
**Table 16**

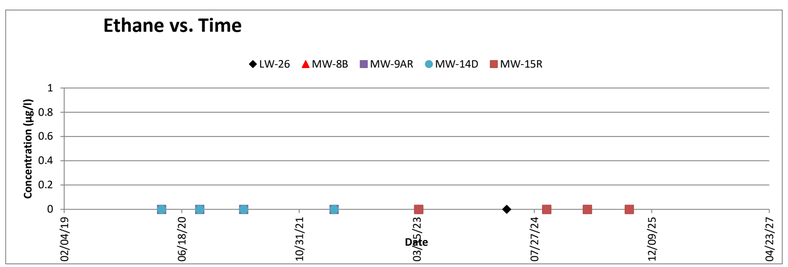
## Methane, Ethane, Ethene, Alkalinity, and pH over Time

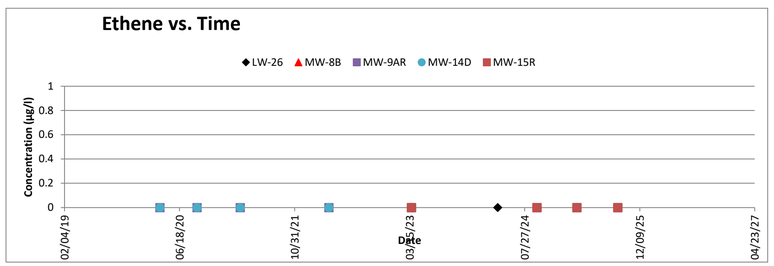
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

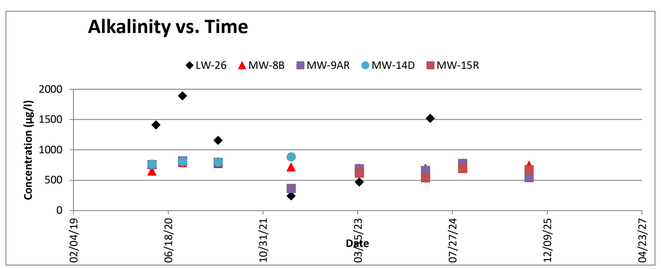
Note: Alkalinity and pH were analyzed at MW-8B, MW-9AR, and MW-15R on 9/5/2023, rather than 3/23/23.

| | Methane | | | | | Ethane | | | | | Ethene | | | | | Alkalinity | | | | | pH | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | LW-26 Concentration mg/L | MW-8B Concentration mg/L | MW-9AR Concentration mg/L | MW-14D Concentration mg/L | MW-15R Concentration mg/L | LW-26 Concentration mg/L | MW-8B Concentration mg/L | MW-9AR Concentration mg/L | MW-14D Concentration mg/L | MW-15R Concentration mg/L | LW-26 GWPS mg/L | MW-8B GWPS mg/L | MW-9AR Concentration mg/L | MW-14D GWPS mg/L | MW-15R Concentration mg/L | LW-26 Concentration ug/L | MW-8B Concentration ug/L | MW-9AR GWPS ug/L | MW-14D Concentration ug/L | MW-15R Concentration mg/L | LW-26 GWPS | MW-8B GWPS | MW-9AR Concentration | MW-14D GWPS | MW-15R Concentration |
| 3/24/2020 | | 1.61 | 1.94 | <0.009 | | | <0.015 | <0.010 | <0.013 | | | <0.015 | <0.010 | <0.013 | | | 652 | 758 | 766 | | | 6.8 | 6.8 | 8.2 | |
| 4/14/2020 | | | | | | | | | | | | | | | | 1410 | | | | | 7 | | | | |
| 9/2/2020 | 6.96 | 0.213 | 1.18 | <0.007 | | <0.010 | <0.013 | <0.010 | <0.010 | | <0.010 | <0.013 | <0.010 | <0.010 | | 1890 | 792 | 822 | 812 | | 7 | 6.8 | 6.7 | 8.1 | |
| 3/8/2021 | 5.04 | 0.15 | 0.582 | <0.007 | | <0.010 | <0.010 | <0.010 | <0.008 | <0.010 | <0.010 | <0.010 | <0.008 | <0.010 | | 1160 | 777 | 796 | 806 | | 6.9 | 6.6 | 6.6 | 7.6 | |
| 3/28/2022 | 2.71 | 0.0835 | 0.00601 | 0.00974 | | <0.00773 | <0.00773 | <0.00773 | <0.00773 | | <0.00828 | <0.00828 | <0.00828 | <0.00828 | | 240 | 718 | 365 | 889 | | 6.3 | 6.7 | 6.9 | 7.5 | |
| 3/23/2023 | 1.93 | 0.161 | 0.0565 | <0.004 | 2.18 | <0.007 | <0.007 | <0.007 | <0.007 | <0.007 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | 473 | 698 | 690 | | 620 | 6.7 | 7.0 | 6.6 | | 6.6 |
| 3/6/2024 | | | | | | | | | | | | | | | | | 695 | 662 | | 541 | | 6.6 | 6.6 | | 6.6 |
| 4/1/2024 | 1.26 | | | | | <0.007 | | | | | <0.00828 | | | | | 1520 | | | | | 7 | | | | |
| 9/18/2024 | | 0.0708 | 0.659 | | 14 | | <0.005 | <0.005 | | <0.005 | | <0.005 | <0.005 | | <0.005 | | 728 | 778 | | 696 | | 6.6 | 6.7 | | 6.7 |
| 3/10/2025 | 6.55 | 0.0806 | 0.146 | | 7.63 | <0.005 | <0.005 | <0.005 | | <0.005 | <0.005 | <0.005 | <0.005 | | <0.005 | | | | | | | | | | |
| 9/4/2025 | 4.23 | 0.166 | 0.250 | | 7.59 | <0.005 | <0.005 | <0.005 | | <0.005 | <0.005 | <0.005 | <0.005 | | <0.005 | | 744 | 544 | | 673 | | 6.5 | 6.8 | | 6.7 |



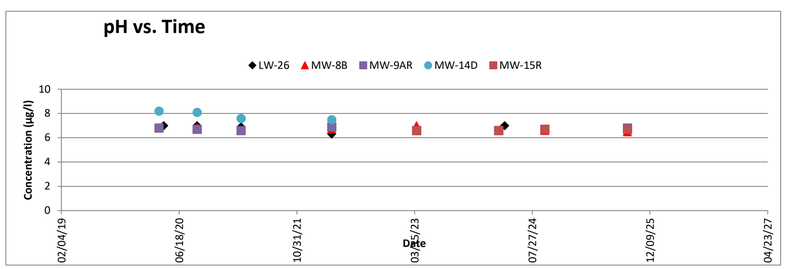



Table 17 – Leachate Levels

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2011 | LPZ-101 | 1070.35 | 20.1 | 1050.25 | 1049.8 | 20.55 | 0.45 |
| 2/24/2011 | LPZ-101 | 1066.25 | 16.45 | 1049.8 | 1049.8 | 16.45 | 0 |
| 3/4/2011 | LPZ-101 | 1066.25 | 16.45 | 1049.8 | 1049.8 | 16.45 | 0 |
| 4/29/2011 | LPZ-101 | 1066.25 | 16.35 | 1049.9 | 1049.8 | 16.45 | 0.1 |
| 5/17/2011 | LPZ-101 | 1066.25 | 16.45 | 1049.8 | 1049.8 | 16.45 | 0 |
| 6/7/2011 | LPZ-101 | 1066.25 | 16.45 | 1049.8 | 1049.8 | 16.45 | 0 |
| 7/6/2011 | LPZ-101 | 1066.25 | 16.45 | 1049.8 | 1049.8 | 16.45 | 0 |
| 8/9/2011 | LPZ-101 | 1066.25 | 16.45 | 1049.8 | 1049.8 | 16.45 | 0 |
| 9/22/2011 | LPZ-101 | 1066.25 | 16.45 | 1049.8 | 1049.8 | 16.45 | 0 |
| 10/4/2011 | LPZ-101 | 1066.25 | 16.45 | 1049.8 | 1049.8 | 16.45 | 0 |
| 12/9/2011 | LPZ-101 | 1066.25 | 16.35 | 1049.9 | 1049.8 | 16.45 | 0.1 |
| 1/18/2012 | LPZ-101 | 1066.25 | 16 | 1050.25 | 1049.8 | 16.45 | 0.45 |
| 2/27/2012 | LPZ-101 | 1066.25 | 16.2 | 1050.05 | 1049.8 | 16.45 | 0.25 |
| 3/13/2012 | LPZ-101 | 1066.25 | 16.1 | 1050.15 | 1049.8 | 16.45 | 0.35 |
| 4/17/2012 | LPZ-101 | 1066.25 | 16.4 | 1049.85 | 1049.8 | 16.45 | 0.05 |
| 5/16/2012 | LPZ-101 | 1066.25 | 16.43 | 1049.82 | 1049.8 | 16.45 | 0.02 |
| 6/26/2012 | LPZ-101 | 1066.25 | 16.3 | 1049.95 | 1049.8 | 16.45 | 0.15 |
| 7/18/2012 | LPZ-101 | 1066.25 | 16.45 | 1049.8 | 1049.8 | 16.45 | 0 |
| 9/19/2012 | LPZ-101 | 1066.6 | 16.8 | 1049.8 | 1049.8 | 16.8 | 0 |
| 10/24/2012 | LPZ-101 | 1066.6 | 16.8 | 1049.8 | 1049.8 | 16.8 | 0 |
| 11/21/2012 | LPZ-101 | 1066.6 | 16.8 | 1049.8 | 1049.8 | 16.8 | 0 |
| 12/11/2012 | LPZ-101 | 1066.6 | 16.8 | 1049.8 | 1049.8 | 16.8 | 0 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2013 | LPZ-101 | 1072.7 | 22.9 | 1049.8 | 1049.8 | 22.9 | 0 |
| 2/28/2013 | LPZ-101 | 1072.7 | 22.9 | 1049.8 | 1049.8 | 22.9 | 0 |
| 3/25/2013 | LPZ-101 | 1072.7 | 22.9 | 1049.8 | 1049.8 | 22.9 | 0 |
| 4/1/2013 | LPZ-101 | 1072.7 | 22.9 | 1049.8 | 1049.8 | 22.9 | 0 |
| 5/13/2013 | LPZ-101 | 1072.7 | 22.9 | 1049.8 | 1049.8 | 22.9 | 0 |
| 6/10/2013 | LPZ-101 | 1072.7 | 22.9 | 1049.8 | 1049.8 | 22.9 | 0 |
| 7/17/2013 | LPZ-101 | 1072.7 | 22.9 | 1049.8 | 1049.8 | 22.9 | 0 |
| 8/15/2013 | LPZ-101 | 1072.7 | 22.9 | 1049.8 | 1049.8 | 22.9 | 0 |
| 9/19/2013 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 10/10/2013 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 11/12/2013 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 12/4/2013 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 1/15/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 2/10/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 3/27/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 4/15/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 5/8/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 6/9/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 7/8/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 8/18/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 9/24/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 10/10/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 11/19/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 12/2/2014 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/19/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 2/17/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 3/19/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 4/7/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 5/4/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 6/17/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 7/7/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 8/6/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 9/2/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 10/1/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 11/10/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 12/10/2015 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 1/19/2016 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 2/11/2016 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 3/3/2016 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 4/18/2016 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 5/10/2016 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 6/21/2016 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 7/6/2016 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 8/15/2016 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 9/21/2016 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 10/7/2016 | LPZ-101 | 1073 | 22.45 | 1050.55 | 1049.8 | 23.2 | 0.75 |
| 11/9/2016 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 12/8/2016 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/18/2017 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 2/4/2017 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 3/9/2017 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 4/17/2017 | LPZ-101 | 1073 | 20.75 | 1052.25 | 1049.8 | 23.2 | 2.45 |
| 5/17/2017 | LPZ-101 | 1073 | 20.3 | 1052.7 | 1049.8 | 23.2 | 2.9 |
| 6/6/2017 | LPZ-101 | 1073 | 20.65 | 1052.35 | 1049.8 | 23.2 | 2.55 |
| 7/12/2017 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 8/10/2017 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 9/14/2017 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 10/4/2017 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 11/1/2017 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 12/13/2017 | LPZ-101 | 1073 | 23.2 | 1049.8 | 1049.8 | 23.2 | 0 |
| 1/12/2018 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 2/8/2018 | LPZ-101 | 1073.2 | 23.2 | 1050 | 1049.8 | 23.4 | 0.2 |
| 3/13/2018 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 4/17/2018 | LPZ-101 | 1073.2 | 23.3 | 1049.9 | 1049.8 | 23.4 | 0.1 |
| 5/18/2018 | LPZ-101 | 1073.2 | 23.05 | 1050.15 | 1049.8 | 23.4 | 0.35 |
| 6/6/2018 | LPZ-101 | 1073.2 | 23.05 | 1050.15 | 1049.8 | 23.4 | 0.35 |
| 7/11/2018 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 7/18/2018 | LPZ-101 | 1073.2 | 23.2 | 1050 | 1049.8 | 23.4 | 0.2 |
| 8/2/2018 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 8/7/2018 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 8/16/2018 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 8/22/2018 | LPZ-101 | 1073.2 | 23.2 | 1050 | 1049.8 | 23.4 | 0.2 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 8/29/2018 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 9/10/2018 | LPZ-101 | 1073.35 | 19.2 | 1054.15 | 1049.8 | 23.55 | 4.35 |
| 10/11/2008 | LPZ-101 | 1073.35 | 20.2 | 1053.15 | 1049.8 | 23.55 | 3.35 |
| 11/14/2018 | LPZ-101 | 1073.35 | 19.2 | 1054.15 | 1049.8 | 23.55 | 4.35 |
| 11/23/2018 | LPZ-101 | 1073.35 | 21.0 | 1052.35 | 1049.8 | 23.55 | 2.55 |
| 12/15/2018 | LPZ-101 | 1073.35 | 22.7 | 1050.65 | 1049.8 | 23.55 | 0.85 |
| 1/16/2019 | LPZ-101 | 1073.2 | 21.2 | 1052 | 1049.8 | 23.4 | 2.2 |
| 2/15/2019 | LPZ-101 | 1073.2 | 19.6 | 1053.6 | 1049.8 | 23.4 | 3.8 |
| 3/14/2019 | LPZ-101 | 1073.2 | 18.4 | 1054.8 | 1049.8 | 23.4 | 5 |
| 4/24/2019 | LPZ-101 | 1073.2 | 19.25 | 1053.95 | 1049.8 | 23.4 | 4.15 |
| 5/15/2019 | LPZ-101 | 1073.2 | 21.4 | 1051.8 | 1049.8 | 23.4 | 2 |
| 5/20/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 6/5/2019 | LPZ-101 | 1073.2 | 20.35 | 1052.85 | 1049.8 | 23.4 | 3.05 |
| 6/10/2019 | LPZ-101 | 1073.2 | 23.2 | 1050 | 1049.8 | 23.4 | 0.2 |
| 6/12/2019 | LPZ-101 | 1073.2 | 23.1 | 1050.1 | 1049.8 | 23.4 | 0.3 |
| 6/14/2019 | LPZ-101 | 1073.2 | 23.3 | 1049.9 | 1049.8 | 23.4 | 0.1 |
| 6/28/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 7/3/2019 | LPZ-101 | 1073.2 | 23.1 | 1050.1 | 1049.8 | 23.4 | 0.3 |
| 7/10/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 7/16/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 7/17/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 7/24/2019 | LPZ-101 | 1073.2 | 23.2 | 1050 | 1049.8 | 23.4 | 0.2 |
| 7/31/2019 | LPZ-101 | 1073.2 | 23.3 | 1049.9 | 1049.8 | 23.4 | 0.1 |
| 8/7/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 8/15/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 8/19/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 8/28/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 9/6/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 9/16/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 9/18/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 10/8/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 11/20/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 12/2/2019 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 1/15/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 2/10/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 3/24/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 4/14/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 5/12/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 6/3/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 7/20/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 8/17/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 9/2/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 10/7/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 11/27/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 12/28/2020 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 1/22/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 2/18/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 3/8/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |

**Table 17**
**Leachate Elevation and Thickness Data**
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**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 4/15/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 5/19/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 6/4/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 7/15/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 8/23/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 9/14/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 10/15/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 11/9/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 12/1/2021 | LPZ-101 | 1073.2 | 23.4 | 1049.8 | 1049.8 | 23.4 | 0 |
| 1/5/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 2/8/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 3/28/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 4/20/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 5/9/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/20/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 7/1/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/4/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 9/13/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 10/11/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 11/10/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 12/1/2022 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 1/24/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 2/6/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 3/23/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 4/11/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 4/12/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 4/12/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 4/13/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 4/17/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 4/18/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 5/3/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 5/8/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 5/9/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 5/11/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 5/17/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 5/19/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 5/23/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/5/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/7/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/7/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/9/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/13/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/15/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/19/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/21/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/23/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 7/5/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 7/10/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 7/12/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 7/14/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 7/24/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 7/26/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 7/28/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/7/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/15/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/16/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/17/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/18/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/21/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/22/2023 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 9/5/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 10/20/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 11/13/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 12/14/2023 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 1/8/2024 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 2/5/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 2/6/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 2/7/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 2/8/2024 | LPZ-101 | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 2/9/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 3/6/2024 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 4/1/2024 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
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LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 5/22/2024 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 5/28/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 5/31/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 6/3/2024 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/6/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 6/10/2024 | LPZ-101* | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 6/12/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/14/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 6/18/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 6/21/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/25/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 6/27/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 7/9/2024 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 7/11/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 7/16/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 7/18/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 7/24/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 7/26/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 7/29/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/5/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 8/6/2024 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/9/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/19/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 8/23/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 8/26/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/30/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 9/4/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 9/6/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 9/9/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 9/11/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 9/13/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 9/16/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 9/18/2024 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 9/20/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 9/30/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 10/2/2024 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 10/7/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 10/7/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 10/9/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 10/11/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 10/25/2024 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 11/4/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 11/5/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 11/6/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 11/7/2024 | LPZ-101* | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 11/8/2024 | LPZ-101* | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 11/11/2024 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 11/12/2024 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
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LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 11/20/2024 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 12/9/2024 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 1/15/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 2/21/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 3/11/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 3/17/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 3/18/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 3/19/2025 | LPZ-101* | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 3/20/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 3/24/2025 | LPZ-101* | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 3/24/2025 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 3/25/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 3/26/2025 | LPZ-101* | 1074.09 | 22.97 | 1051.12 | 1050.79 | 23.3 | 0.33 |
| 4/7/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 5/21/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/2/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/9/2025 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 6/11/2025 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 6/13/2025 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 6/16/2025 | LPZ-101* | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 6/18/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 6/30/2025 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 7/7/2025 | LPZ-101* | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 7/8/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
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**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 7/14/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 7/16/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 7/18/2025 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 7/22/2025 | LPZ-101* | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 7/28/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 8/4/2025 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 8/6/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 8/8/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 8/22/2025 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 9/4/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 10/17/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 11/3/2025 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 11/4/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 11/5/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 11/6/2025 | LPZ-101* | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 11/7/2025 | LPZ-101* | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 11/10/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 11/11/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |
| 11/12/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |
| 11/13/2025 | LPZ-101* | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 11/14/2025 | LPZ-101* | 1074.09 | 23.05 | 1051.04 | 1050.79 | 23.3 | 0.25 |
| 11/17/2025 | LPZ-101* | 1074.09 | 23.22 | 1050.87 | 1050.79 | 23.3 | 0.08 |
| 11/18/2025 | LPZ-101* | 1074.09 | 23.13 | 1050.96 | 1050.79 | 23.3 | 0.17 |

**Table 17**
**Leachate Elevation and Thickness Data**
**Subtitle D Cells 1-5**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

LPZ-101* = measurement by landfill staff

Time period when leachate recirculation was ongoing.

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 12/20/2025 | LPZ-101 | 1074.09 | 23.3 | 1050.79 | 1050.79 | 23.3 | 0 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
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| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2011 | LW-21 | 1120.98 | 54.1 | 1066.88 | 1041.6 | 79.38 | 25.28 |
| 2/24/2011 | LW-21 | 1120.98 | 53.6 | 1067.38 | 1041.6 | 79.38 | 25.78 |
| 3/4/2011 | LW-21 | 1120.98 | 53.6 | 1067.38 | 1041.6 | 79.38 | 25.78 |
| 4/29/2011 | LW-21 | 1120.98 | 53 | 1067.98 | 1041.6 | 79.38 | 26.38 |
| 5/17/2011 | LW-21 | 1120.98 | 49 | 1071.98 | 1041.6 | 79.38 | 30.38 |
| 6/7/2011 | LW-21 | 1120.98 | 54 | 1066.98 | 1041.6 | 79.38 | 25.38 |
| 7/6/2011 | LW-21 | 1120.98 | 53.2 | 1067.78 | 1041.6 | 79.38 | 26.18 |
| 8/9/2011 | LW-21 | 1120.98 | 52.5 | 1068.48 | 1041.6 | 79.38 | 26.88 |
| 9/22/2011 | LW-21 | 1120.98 | 53 | 1067.98 | 1041.6 | 79.38 | 26.38 |
| 10/4/2011 | LW-21 | 1120.98 | 52.5 | 1068.48 | 1041.6 | 79.38 | 26.88 |
| 12/9/2011 | LW-21 | 1120.98 | 51.4 | 1069.58 | 1041.6 | 79.38 | 27.98 |
| 1/18/2012 | LW-21 | 1120.98 | 51.35 | 1069.63 | 1041.6 | 79.38 | 28.03 |
| 2/27/2012 | LW-21 | 1120.98 | 51.2 | 1069.78 | 1041.6 | 79.38 | 28.18 |
| 3/13/2012 | LW-21 | 1120.98 | 51.2 | 1069.78 | 1041.6 | 79.38 | 28.18 |
| 4/17/2012 | LW-21 | 1120.98 | 52.4 | 1068.58 | 1041.6 | 79.38 | 26.98 |
| 5/16/2012 | LW-21 | 1120.98 | 51.9 | 1069.08 | 1041.6 | 79.38 | 27.48 |
| 6/26/2012 | LW-21 | 1120.98 | 52.6 | 1068.38 | 1041.6 | 79.38 | 26.78 |
| 7/18/2012 | LW-21 | 1120.98 | 52.1 | 1068.88 | 1041.6 | 79.38 | 27.28 |
| 9/19/2012 | LW-21 | 1120.98 | 59.4 | 1061.58 | 1041.6 | 79.38 | 19.98 |
| 10/24/2012 | LW-21 | 1120.98 | 55.3 | 1065.68 | 1041.6 | 79.38 | 24.08 |
| 11/21/2012 | LW-21 | 1120.98 | 55.2 | 1065.78 | 1041.6 | 79.38 | 24.18 |
| 12/11/2012 | LW-21 | 1120.98 | 53.8 | 1067.18 | 1041.6 | 79.38 | 25.58 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2013 | LW-21 | 1120.98 | 53.4 | 1067.58 | 1041.6 | 79.38 | 25.98 |
| 2/28/2013 | LW-21 | 1120.98 | 52.4 | 1068.58 | 1041.6 | 79.38 | 26.98 |
| 3/25/2013 | LW-21 | 1120.98 | 52.2 | 1068.78 | 1041.6 | 79.38 | 27.18 |
| 4/1/2013 | LW-21 | 1120.98 | 52.4 | 1068.58 | 1041.6 | 79.38 | 26.98 |
| 5/13/2013 | LW-21 | 1120.98 | 52.4 | 1068.58 | 1041.6 | 79.38 | 26.98 |
| 6/10/2013 | LW-21 | 1120.98 | 51.75 | 1069.23 | 1041.6 | 79.38 | 27.63 |
| 7/17/2013 | LW-21 | 1120.98 | Pump is Blocking | | 1041.6 | 79.38 | |
| 8/15/2013 | LW-21 | 1120.98 | 61.7 | 1059.28 | 1041.6 | 79.38 | 17.68 |
| 9/19/2013 | LW-21 | 1120.98 | 77.4 | 1043.58 | 1041.6 | 79.38 | 1.98 |
| 10/10/2013 | LW-21 | 1120.98 | 77.5 | 1043.48 | 1041.6 | 79.38 | 1.88 |
| 11/12/2013 | LW-21 | 1120.98 | 79 | 1041.98 | 1041.6 | 79.38 | 0.38 |
| 12/4/2013 | LW-21 | 1120.98 | 64.6 | 1056.38 | 1041.6 | 79.38 | 14.78 |
| 1/15/2014 | LW-21 | 1120.98 | 56.6 | 1064.38 | 1041.6 | 79.38 | 22.78 |
| 2/10/2014 | LW-21 | 1120.98 | 55.6 | 1065.38 | 1041.6 | 79.38 | 23.78 |
| 3/27/2014 | LW-21 | 1120.98 | 78.9 | 1042.08 | 1041.6 | 79.38 | 0.48 |
| 4/15/2014 | LW-21 | 1120.98 | 78.8 | 1042.18 | 1041.6 | 79.38 | 0.58 |
| 5/8/2014 | LW-21 | 1120.98 | 78.9 | 1042.08 | 1041.6 | 79.38 | 0.48 |
| 6/9/2014 | LW-21 | 1120.98 | 78.8 | 1042.18 | 1041.6 | 79.38 | 0.58 |
| 7/8/2014 | LW-21 | 1120.98 | 78.75 | 1042.23 | 1041.6 | 79.38 | 0.63 |
| 8/18/2014 | LW-21 | 1120.98 | 78.9 | 1042.08 | 1041.6 | 79.38 | 0.48 |
| 9/24/2014 | LW-21 | 1120.98 | 78.9 | 1042.08 | 1041.6 | 79.38 | 0.48 |
| 10/10/2014 | LW-21 | 1120.98 | 78.85 | 1042.13 | 1041.6 | 79.38 | 0.53 |
| 11/19/2014 | LW-21 | 1120.98 | 71.5 | 1049.48 | 1041.6 | 79.38 | 7.88 |
| 12/2/2014 | LW-21 | 1120.98 | 63.3 | 1057.68 | 1041.6 | 79.38 | 16.08 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/19/2015 | LW-21 | 1120.98 | 56.1 | 1064.88 | 1041.6 | 79.38 | 23.28 |
| 2/17/2015 | LW-21 | 1120.98 | 56.1 | 1064.88 | 1041.6 | 79.38 | 23.28 |
| 3/19/2015 | LW-21 | 1120.98 | 54.15 | 1066.83 | 1041.6 | 79.38 | 25.23 |
| 4/7/2015 | LW-21 | 1120.98 | 53.6 | 1067.38 | 1041.6 | 79.38 | 25.78 |
| 5/4/2015 | LW-21 | 1120.98 | 78.9 | 1042.08 | 1041.6 | 79.38 | 0.48 |
| 6/17/2015 | LW-21 | 1120.98 | 78.8 | 1042.18 | 1041.6 | 79.38 | 0.58 |
| 7/7/2015 | LW-21 | 1120.98 | 78.8 | 1042.18 | 1041.6 | 79.38 | 0.58 |
| 8/6/2015 | LW-21 | 1120.98 | 78.9 | 1042.08 | 1041.6 | 79.38 | 0.48 |
| 9/2/2015 | LW-21 | 1120.98 | 79 | 1041.98 | 1041.6 | 79.38 | 0.38 |
| 10/1/2015 | LW-21 | 1120.98 | 73.4 | 1047.58 | 1041.6 | 79.38 | 5.98 |
| 11/10/2015 | LW-21 | 1120.98 | 77.45 | 1043.53 | 1041.6 | 79.38 | 1.93 |
| 12/10/2015 | LW-21 | 1120.98 | 78.6 | 1042.38 | 1041.6 | 79.38 | 0.78 |
| 1/19/2016 | LW-21 | 1120.98 | 77.45 | 1043.53 | 1041.6 | 79.38 | 1.93 |
| 2/11/2016 | LW-21 | 1120.98 | 76.8 | 1044.18 | 1041.6 | 79.38 | 2.58 |
| 3/3/2016 | LW-21 | 1120.98 | 77.5 | 1043.48 | 1041.6 | 79.38 | 1.88 |
| 4/18/2016 | LW-21 | 1120.98 | 61.9 | 1059.08 | 1041.6 | 79.38 | 17.48 |
| 5/10/2016 | LW-21 | 1120.98 | 59.3 | 1061.68 | 1041.6 | 79.38 | 20.08 |
| 6/21/2016 | LW-21 | 1120.98 | 56.8 | 1064.18 | 1041.6 | 79.38 | 22.58 |
| 7/6/2016 | LW-21 | 1120.98 | 56.9 | 1064.08 | 1041.6 | 79.38 | 22.48 |
| 8/15/2016 | LW-21 | 1120.98 | 55.7 | 1065.28 | 1041.6 | 79.38 | 23.68 |
| 9/21/2016 | LW-21 | 1120.98 | 55 | 1065.98 | 1041.6 | 79.38 | 24.38 |
| 10/7/2016 | LW-21 | 1120.98 | 72.3 | 1048.68 | 1041.6 | 79.38 | 7.08 |
| 11/9/2016 | LW-21 | 1120.98 | 60.25 | 1060.73 | 1041.6 | 79.38 | 19.13 |
| 12/8/2016 | LW-21 | 1120.98 | 57.6 | 1063.38 | 1041.6 | 79.38 | 21.78 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/18/2017 | LW-21 | 1120.98 | 56.6 | 1064.38 | 1041.6 | 79.38 | 22.78 |
| 2/4/2017 | LW-21 | 1120.98 | 56.2 | 1064.78 | 1041.6 | 79.38 | 23.18 |
| 3/9/2017 | LW-21 | 1120.98 | 59.35 | 1061.63 | 1041.6 | 79.38 | 20.03 |
| 4/17/2017 | LW-21 | 1120.98 | 55.45 | 1065.53 | 1041.6 | 79.38 | 23.93 |
| 5/17/2017 | LW-21 | 1120.98 | 54.2 | 1066.78 | 1041.6 | 79.38 | 25.18 |
| 6/6/2017 | LW-21 | 1120.98 | 54.2 | 1066.78 | 1041.6 | 79.38 | 25.18 |
| 7/12/2017 | LW-21 | 1120.98 | 54 | 1066.98 | 1041.6 | 79.38 | 25.38 |
| 8/10/2017 | LW-21 | 1120.98 | 77.3 | 1043.68 | 1041.6 | 79.38 | 2.08 |
| 9/14/2017 | LW-21 | 1120.98 | 71.6 | 1049.38 | 1041.6 | 79.38 | 7.78 |
| 10/4/2017 | LW-21 | 1120.98 | 63.2 | 1057.78 | 1041.6 | 79.38 | 16.18 |
| 11/1/2017 | LW-21 | 1120.98 | 63.55 | 1057.43 | 1041.6 | 79.38 | 15.83 |
| 12/13/2017 | LW-21 | 1120.98 | 58.55 | 1062.43 | 1041.6 | 79.38 | 20.83 |
| 1/12/2018 | LW-21 | 1120.98 | 59.5 | 1061.48 | 1041.6 | 79.38 | 19.88 |
| 2/8/2018 | LW-21 | 1120.98 | 55.6 | 1065.38 | 1041.6 | 79.38 | 23.78 |
| 3/13/2018 | LW-21 | 1120.98 | 57.2 | 1063.78 | 1041.6 | 79.38 | 22.18 |
| 4/17/2018 | LW-21 | 1120.98 | 53.8 | 1067.18 | 1041.6 | 79.38 | 25.58 |
| 5/18/2018 | LW-21 | 1120.98 | 53.8 | 1067.18 | 1041.6 | 79.38 | 25.58 |
| 6/6/2018 | LW-21 | 1120.98 | 53.5 | 1067.48 | 1041.6 | 79.38 | 25.88 |
| 7/11/2018 | LW-21 | 1120.98 | 54.01 | 1066.97 | 1041.6 | 79.38 | 25.37 |
| 8/7/2018 | LW-21 | 1120.98 | 53.9 | 1067.08 | 1041.6 | 79.38 | 25.48 |
| 9/10/2018 | LW-21 | 1120.98 | 53.91 | 1067.07 | 1041.6 | 79.38 | 25.47 |
| 10/11/2018 | LW-21 | 1120.98 | 54.7 | 1066.28 | 1041.6 | 79.38 | 24.68 |
| 11/14/2018 | LW-21 | 1120.98 | 77.2 | 1043.78 | 1041.6 | 79.38 | 2.18 |
| 12/15/2018 | LW-21 | 1120.98 | 63.35 | 1057.63 | 1041.6 | 79.38 | 16.03 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness | |
|---|---|---|---|---|---|---|---|---|
| 1/16/2019 | LW-21 | 1120.98 | 59.96 | 1061.02 | 1041.6 | 79.38 | 19.42 | |
| 2/15/2019 | LW-21 | 1120.98 | 57.3 | 1063.68 | 1041.6 | 79.38 | 22.08 | |
| 3/14/2019 | LW-21 | 1120.98 | 56.4 | 1064.58 | 1041.6 | 79.38 | 22.98 | |
| 4/24/2019 | LW-21 | 1120.98 | 70.75 | 1050.23 | 1041.6 | 79.38 | 8.63 | |
| 5/15/2019 | LW-21 | 1120.98 | 66.3 | 1054.68 | 1041.6 | 79.38 | 13.08 | |
| 6/5/2019 | LW-21 | 1120.98 | 61.85 | 1059.13 | 1041.6 | 79.38 | 17.53 | |
| 7/17/2019 | LW-21 | 1120.98 | 69.49 | 1051.49 | 1041.6 | 79.38 | 9.89 | |
| 8/19/2019 | LW-21 | 1120.98 | 76.62 | 1044.36 | 1041.6 | 79.38 | 2.76 | |
| 9/16/2019 | LW-21 | 1120.98 | 77.0 | 1043.98 | 1041.6 | 79.38 | 2.38 | |
| 10/8/2019 | LW-21 | 1120.98 | 75.13 | 1045.85 | 1041.6 | 79.38 | 4.25 | |
| 11/20/2019 | LW-21 | 1120.98 | 69.95 | 1051.03 | 1041.6 | 79.38 | 9.43 | |
| 12/2/2019 | LW-21 | 1120.98 | 70.8 | 1050.18 | 1041.6 | 79.38 | 8.58 | |
| 1/15/2020 | LW-21 | 1120.98 | 73.85 | 1047.13 | 1041.6 | 79.38 | 5.53 | |
| 2/10/2020 | LW-21 | 1120.98 | 73.1 | 1047.88 | 1041.6 | 79.38 | 6.28 | |
| 3/24/2020 | LW-21 | 1120.98 | 74.6 | 1046.38 | 1041.6 | 79.38 | 4.78 | |
| 4/14/2020 | LW-21 | 1120.98 | 74.7 | 1046.28 | 1041.6 | 79.38 | 4.68 | |
| 5/12/2020 | LW-21 | 1120.98 | 69.75 | 1051.23 | 1041.6 | 79.38 | 9.63 | |
| 6/3/2020 | LW-21 | 1120.98 | 63.75 | 1057.23 | 1041.6 | 79.38 | 15.63 | |
| 7/20/2020 | LW-21 | 1120.98 | 59.22 | 1061.76 | 1041.6 | 79.38 | 20.16 | |
| 8/17/2020 | LW-21 | 1120.98 | 57.65 | 1063.33 | 1041.6 | 79.38 | 21.73 | |
| 9/2/2020 | LW-21 | 1120.98 | 57.4 | 1063.58 | 1041.6 | 79.38 | 21.98 | |
| 10/7/2020 | LW-21 | 1120.98 | 56.1 | 1064.88 | 1041.6 | 79.38 | 23.28 | |
| 11/27/2020 | LW-21 | 1120.98 | 55.55 | 1065.43 | 1041.6 | 79.38 | 23.83 | |
| 12/28/2020 | LW-21 | 1120.98 | 61.5 | 1059.48 | 1041.6 | 79.38 | 17.88 | |
| 1/22/2021 | LW-21 | 1120.98 | 77.62 | 1043.36 | 1041.6 | 79.38 | 1.76 | |
| 2/18/2021 | LW-21 | 1120.98 | 77.6 | 1043.38 | 1041.6 | 79.38 | 1.78 | |
| 3/8/2021 | LW-21 | 1120.98 | 70.7 | 1050.28 | 1041.6 | 79.38 | 8.68 | |
| 4/15/2021 | LW-21 | 1120.98 | 66.2 | 1054.78 | 1041.6 | 79.38 | 13.18 | |
| 5/19/2021 | LW-21 | 1120.98 | 77.6 | 1043.38 | 1041.6 | 79.38 | 1.78 | |
| 6/4/2021 | LW-21 | 1120.98 | 77.9 | 1043.08 | 1041.6 | 79.38 | 1.48 | |
| 7/15/2021 | LW-21 | 1118.48 | 70.4 | 1048.08 | 1041.6 | 76.88 | 6.48 | Approx 2.5 ft cut off |
| 8/23/2021 | LW-21 | 1118.48 | 60.75 | 1057.73 | 1041.6 | 76.88 | 16.13 | |
| 9/14/2021 | LW-21 | 1118.48 | 73.74 | 1044.74 | 1041.6 | 76.88 | 3.14 | |
| 10/15/2021 | LW-21 | 1118.48 | 73.75 | 1044.73 | 1041.6 | 76.88 | 3.13 | |
| 11/9/2021 | LW-21 | 1118.48 | 73.75 | 1044.73 | 1041.6 | 76.88 | 3.13 | |
| 12/1/2021 | LW-21 | 1118.48 | 73.8 | 1044.68 | 1041.6 | 76.88 | 3.08 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness | |
|---|---|---|---|---|---|---|---|---|
| 1/5/2022 | LW-21 | 1117.16 | 73.8 | 1043.36 | 1041.6 | 75.56 | 1.76 | |
| 2/8/2022 | LW-21 | 1117.16 | 73.8 | 1043.36 | 1041.6 | 75.56 | 1.76 | |
| 3/28/2022 | LW-21 | 1117.16 | 73.8 | 1043.36 | 1041.6 | 75.56 | 1.76 | |
| 4/20/2022 | LW-21 | 1117.16 | 73.5 | 1043.66 | 1041.6 | 75.56 | 2.06 | |
| 5/9/2022 | LW-21 | 1117.16 | 73.6 | 1043.56 | 1041.6 | 75.56 | 1.96 | |
| 6/20/2022 | LW-21 | 1117.16 | 71.58 | 1045.58 | 1041.6 | 75.56 | 3.98 | |
| 7/1/2022 | LW-21 | 1117.16 | 65.05 | 1052.11 | 1041.6 | 75.56 | 10.51 | |
| 8/4/2022 | LW-21 | 1117.16 | 60.6 | 1056.56 | 1041.6 | 75.56 | 14.96 | |
| 9/13/2022 | LW-21 | 1117.16 | 59.76 | 1057.4 | 1041.6 | 75.56 | 15.8 | |
| 10/11/2022 | LW-21 | 1117.16 | 56.36 | 1060.8 | 1041.6 | 75.56 | 19.2 | |
| 11/10/2022 | LW-21 | 1117.16 | 54.75 | 1062.41 | 1041.6 | 75.56 | 20.81 | |
| 12/1/2022 | LW-21 | 1117.16 | 53.75 | 1063.41 | 1041.6 | 75.56 | 21.81 | |
| 1/24/2023 | LW-21 | 1117.16 | 53.7 | 1063.46 | 1041.6 | 77.0 | 21.86 | |
| 2/6/2023 | LW-21 | 1117.16 | 52.75 | 1064.41 | 1041.6 | 77.0 | 22.81 | |
| 3/23/2023 | LW-21 | 1117.16 | 53.3 | 1063.86 | 1041.6 | 77.0 | 22.26 | |
| 4/12/2023 | LW-21 | 1117.16 | 52.67 | 1064.49 | 1041.6 | 77.0 | 22.89 | |
| 5/9/2023 | LW-21 | 1117.16 | 53.03 | 1064.13 | 1041.6 | 77.0 | 22.53 | |
| 6/7/2023 | LW-21 | 1117.16 | 52.98 | 1064.18 | 1041.6 | 77.0 | 22.58 | Replaced Pump 6/2023 |
| 7/12/2023 | LW-21 | 1117.16 | 52.7 | 1064.46 | 1041.6 | 77.0 | 22.86 | bad configuration file |
| 8/7/2023 | LW-21 | 1117.16 | 53.06 | 1064.1 | 1041.6 | 77.0 | 22.5 | |
| 9/5/2023 | LW-21 | 1117.16 | 53.28 | 1063.88 | 1041.6 | 77.0 | 22.28 | |
| 10/20/2023 | LW-21 | 1117.16 | 53.25 | 1063.91 | 1041.6 | 77.0 | 22.31 | |
| 11/13/2023 | LW-21 | 1117.16 | 53.28 | 1063.88 | 1041.6 | 77.0 | 22.28 | |
| 12/14/2023 | LW-21 | 1117.16 | 53.85 | 1063.31 | 1041.6 | 77.0 | 21.71 | New Configuration file |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness | |
|---|---|---|---|---|---|---|---|---|
| 1/8/2024 | LW-21 | 1117.16 | 72.85 | 1044.31 | 1041.6 | 77.0 | 2.71 | installed 12/14/23 |
| 2/8/2024 | LW-21 | 1117.16 | 61.46 | 1055.7 | 1041.6 | 77.0 | 14.1 | |
| 3/6/2024 | LW-21 | 1117.16 | 58.7 | 1058.46 | 1041.6 | 77.0 | 16.86 | |
| 4/1/2024 | LW-21 | 1117.16 | 57.7 | 1059.46 | 1041.6 | 77.0 | 17.86 | Control box removed |
| 5/22/2024 | LW-21 | 1117.16 | 72.0 | 1045.16 | 1041.6 | 77.0 | 3.56 | Box replaced & operating |
| 6/3/2024 | LW-21 | 1117.16 | 72.63 | 1044.53 | 1041.6 | 77.0 | 2.93 | |
| 7/9/2024 | LW-21 | 1117.16 | 72.13 | 1045.03 | 1041.6 | 77.0 | 3.43 | |
| 8/6/2024 | LW-21 | 1117.16 | 72.35 | 1044.81 | 1041.6 | 77.0 | 3.21 | |
| 9/18/2024 | LW-21 | 1117.16 | 76.45 | 1040.71 | 1041.6 | 77.0 | -0.89 | |
| 10/25/2024 | LW-21 | 1117.16 | 72.45 | 1044.71 | 1041.6 | 77.0 | 3.11 | |
| 11/20/2024 | LW-21 | 1117.16 | 73.94 | 1043.22 | 1041.6 | 77.0 | 1.62 | |
| 12/9/2024 | LW-21 | 1117.16 | 72.5 | 1044.66 | 1041.6 | 77.0 | 3.06 | |
| 1/15/2025 | LW-21 | 1117.16 | 72.12 | 1045.04 | 1041.6 | 77.0 | 3.44 | |
| 2/21/2025 | LW-21 | 1117.16 | 72.7 | 1044.46 | 1041.6 | 77.0 | 2.86 | |
| 3/11/2025 | LW-21 | 1117.16 | 72.15 | 1045.01 | 1041.6 | 77.0 | 3.41 | |
| 4/7/2025 | LW-21 | 1117.16 | 71.1 | 1046.06 | 1041.6 | 77.0 | 4.46 | |
| 5/21/2025 | LW-21 | 1117.16 | 72.12 | 1045.04 | 1041.6 | 77.0 | 3.44 | |
| 6/2/2025 | LW-21 | 1117.16 | 72.34 | 1044.82 | 1041.6 | 77.0 | 3.22 | |
| 7/8/2025 | LW-21 | 1117.16 | 70.19 | 1046.97 | 1041.6 | 77.0 | 5.37 | |
| 8/6/2025 | LW-21 | 1117.16 | 62.85 | 1054.31 | 1041.6 | 77.0 | 12.71 | Called for repair |
| 9/4/2025 | LW-21 | 1117.16 | 69.3 | 1047.86 | 1041.6 | 77.0 | 6.26 | Not operating |
| 10/17/2025 | LW-21 | 1117.16 | 72.1 | 1045.06 | 1041.6 | 77.0 | 3.46 | |
| 11/11/2025 | LW-21 | 1117.16 | 72.19 | 1044.97 | 1041.6 | 77.0 | 3.37 | |
| 12/20/2025 | LW-21 | 1117.16 | 72.27 | 1044.89 | 1041.6 | 77.0 | 3.29 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2011 | LW-22 | 1118.88 | 46.35 | 1072.53 | 1036.4 | 82.48 | 36.13 |
| 2/24/2011 | LW-22 | 1118.88 | 42.1 | 1076.78 | 1036.4 | 82.48 | 40.38 |
| 3/4/2011 | LW-22 | 1118.88 | 46.1 | 1072.78 | 1036.4 | 82.48 | 36.38 |
| 4/29/2011 | LW-22 | 1118.88 | 46.3 | 1072.58 | 1036.4 | 82.48 | 36.18 |
| 5/17/2011 | LW-22 | 1118.88 | 46.3 | 1072.58 | 1036.4 | 82.48 | 36.18 |
| 6/7/2011 | LW-22 | 1118.88 | 46.3 | 1072.58 | 1036.4 | 82.48 | 36.18 |
| 7/6/2011 | LW-22 | 1118.88 | 46.3 | 1072.58 | 1036.4 | 82.48 | 36.18 |
| 8/9/2011 | LW-22 | 1118.88 | 46.4 | 1072.48 | 1036.4 | 82.48 | 36.08 |
| 9/22/2011 | LW-22 | 1118.88 | 46.6 | 1072.28 | 1036.4 | 82.48 | 35.88 |
| 10/4/2011 | LW-22 | 1118.88 | 46.6 | 1072.28 | 1036.4 | 82.48 | 35.88 |
| 12/9/2011 | LW-22 | 1118.88 | 46.5 | 1072.38 | 1036.4 | 82.48 | 35.98 |
| 1/18/2012 | LW-22 | 1118.88 | 46.5 | 1072.38 | 1036.4 | 82.48 | 35.98 |
| 2/27/2012 | LW-22 | 1118.88 | 46.6 | 1072.28 | 1036.4 | 82.48 | 35.88 |
| 3/13/2012 | LW-22 | 1118.88 | 46.5 | 1072.38 | 1036.4 | 82.48 | 35.98 |
| 4/17/2012 | LW-22 | 1118.88 | 46.5 | 1072.38 | 1036.4 | 82.48 | 35.98 |
| 5/16/2012 | LW-22 | 1118.88 | 46.7 | 1072.18 | 1036.4 | 82.48 | 35.78 |
| 6/26/2012 | LW-22 | 1118.88 | 46.9 | 1071.98 | 1036.4 | 82.48 | 35.58 |
| 7/18/2012 | LW-22 | 1118.88 | 46.9 | 1071.98 | 1036.4 | 82.48 | 35.58 |
| 9/19/2012 | LW-22 | 1118.88 | Pump is Blocking | | 1036.4 | 82.48 | |
| 10/24/2012 | LW-22 | 1118.88 | 69.1 | 1049.78 | 1036.4 | 82.48 | 13.38 |
| 11/21/2012 | LW-22 | 1118.88 | Pump is Blocking | | 1036.4 | 82.48 | |
| 12/11/2012 | LW-22 | 1118.88 | Pump is Blocking | | 1036.4 | 82.48 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2013 | LW-22 | 1118.88 | Pump is Blocking | | 1036.4 | 82.48 | |
| 2/28/2013 | LW-22 | 1118.88 | Pump is Blocking | | 1036.4 | 82.48 | |
| 3/25/2013 | LW-22 | 1118.88 | Pump is Blocking | | 1036.4 | 82.48 | |
| 4/1/2013 | LW-22 | 1118.88 | Pump is Blocking | | 1036.4 | 82.48 | |
| 5/13/2013 | LW-22 | 1118.88 | Pump is Blocking | | 1036.4 | 82.48 | |
| 6/10/2013 | LW-22 | 1118.88 | Pump is Blocking | | 1036.4 | 82.48 | |
| 7/17/2013 | LW-22 | 1118.88 | Pump is Blocking | | 1036.4 | 82.48 | |
| 8/15/2013 | LW-22 | 1118.88 | 55.5 | 1063.38 | 1036.4 | 82.48 | 26.98 |
| 9/19/2013 | LW-22 | 1118.88 | 55.1 | 1063.78 | 1036.4 | 82.48 | 27.38 |
| 10/10/2013 | LW-22 | 1118.88 | 55.2 | 1063.68 | 1036.4 | 82.48 | 27.28 |
| 11/12/2013 | LW-22 | 1118.88 | 55.5 | 1063.38 | 1036.4 | 82.48 | 26.98 |
| 12/4/2013 | LW-22 | 1118.88 | 54.3 | 1064.58 | 1036.4 | 82.48 | 28.18 |
| 1/15/2014 | LW-22 | 1118.88 | 54.3 | 1064.58 | 1036.4 | 82.48 | 28.18 |
| 2/10/2014 | LW-22 | 1118.88 | 54.9 | 1063.98 | 1036.4 | 82.48 | 27.58 |
| 3/27/2014 | LW-22 | 1118.88 | 53.8 | 1065.08 | 1036.4 | 82.48 | 28.68 |
| 4/15/2014 | LW-22 | 1118.88 | 54.2 | 1064.68 | 1036.4 | 82.48 | 28.28 |
| 5/8/2014 | LW-22 | 1118.88 | 54.1 | 1064.78 | 1036.4 | 82.48 | 28.38 |
| 6/9/2014 | LW-22 | 1118.88 | 76.3 | 1042.58 | 1036.4 | 82.48 | 6.18 |
| 7/8/2014 | LW-22 | 1118.88 | 76.1 | 1042.78 | 1036.4 | 82.48 | 6.38 |
| 8/18/2014 | LW-22 | 1118.88 | 76 | 1042.88 | 1036.4 | 82.48 | 6.48 |
| 9/24/2014 | LW-22 | 1118.88 | 76.15 | 1042.73 | 1036.4 | 82.48 | 6.33 |
| 10/10/2014 | LW-22 | 1118.88 | 76.1 | 1042.78 | 1036.4 | 82.48 | 6.38 |
| 11/19/2014 | LW-22 | 1118.88 | 70.9 | 1047.98 | 1036.4 | 82.48 | 11.58 |
| 12/2/2014 | LW-22 | 1118.88 | 62.1 | 1056.78 | 1036.4 | 82.48 | 20.38 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/19/2015 | LW-22 | 1118.88 | 58.1 | 1060.78 | 1036.4 | 82.48 | 24.38 |
| 2/17/2015 | LW-22 | 1118.88 | 57.4 | 1061.48 | 1036.4 | 82.48 | 25.08 |
| 3/19/2015 | LW-22 | 1118.88 | 73.3 | 1045.58 | 1036.4 | 82.48 | 9.18 |
| 4/7/2015 | LW-22 | 1118.88 | 56.2 | 1062.68 | 1036.4 | 82.48 | 26.28 |
| 5/4/2015 | LW-22 | 1118.88 | 76.15 | 1042.73 | 1036.4 | 82.48 | 6.33 |
| 6/17/2015 | LW-22 | 1118.88 | 76.1 | 1042.78 | 1036.4 | 82.48 | 6.38 |
| 7/7/2015 | LW-22 | 1118.88 | 76 | 1042.88 | 1036.4 | 82.48 | 6.48 |
| 8/6/2015 | LW-22 | 1118.88 | 75.95 | 1042.93 | 1036.4 | 82.48 | 6.53 |
| 9/2/2015 | LW-22 | 1118.88 | 76.3 | 1042.58 | 1036.4 | 82.48 | 6.18 |
| 10/1/2015 | LW-22 | 1118.88 | 78.85 | 1040.03 | 1036.4 | 82.48 | 3.63 |
| 11/10/2015 | LW-22 | 1118.88 | 77.65 | 1041.23 | 1036.4 | 82.48 | 4.83 |
| 12/10/2015 | LW-22 | 1118.88 | 77.7 | 1041.18 | 1036.4 | 82.48 | 4.78 |
| 1/19/2016 | LW-22 | 1118.88 | 77.8 | 1041.08 | 1036.4 | 82.48 | 4.68 |
| 2/11/2016 | LW-22 | 1118.88 | 78.1 | 1040.78 | 1036.4 | 82.48 | 4.38 |
| 3/3/2016 | LW-22 | 1118.88 | 77.65 | 1041.23 | 1036.4 | 82.48 | 4.83 |
| 4/18/2016 | LW-22 | 1118.88 | 61.7 | 1057.18 | 1036.4 | 82.48 | 20.78 |
| 5/10/2016 | LW-22 | 1118.88 | 67.7 | 1051.18 | 1036.4 | 82.48 | 14.78 |
| 6/21/2016 | LW-22 | 1118.88 | 59.6 | 1059.28 | 1036.4 | 82.48 | 22.88 |
| 7/6/2016 | LW-22 | 1118.88 | 59.2 | 1059.68 | 1036.4 | 82.48 | 23.28 |
| 8/15/2016 | LW-22 | 1118.88 | 58.92 | 1059.96 | 1036.4 | 82.48 | 23.56 |
| 9/21/2016 | LW-22 | 1118.88 | 58.5 | 1060.38 | 1036.4 | 82.48 | 23.98 |
| 10/7/2016 | LW-22 | 1118.88 | 71.8 | 1047.08 | 1036.4 | 82.48 | 10.68 |
| 11/9/2016 | LW-22 | 1118.88 | 61.25 | 1057.63 | 1036.4 | 82.48 | 21.23 |
| 12/8/2016 | LW-22 | 1118.88 | 65.7 | 1053.18 | 1036.4 | 82.48 | 16.78 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/18/2017 | LW-22 | 1118.88 | 67 | 1051.88 | 1036.4 | 82.48 | 15.48 |
| 2/4/2017 | LW-22 | 1118.88 | 59.45 | 1059.43 | 1036.4 | 82.48 | 23.03 |
| 3/9/2017 | LW-22 | 1118.88 | 60.72 | 1058.16 | 1036.4 | 82.48 | 21.76 |
| 4/17/2017 | LW-22 | 1118.88 | 57.9 | 1060.98 | 1036.4 | 82.48 | 24.58 |
| 5/17/2017 | LW-22 | 1118.88 | 55.4 | 1063.48 | 1036.4 | 82.48 | 27.08 |
| 6/6/2017 | LW-22 | 1118.88 | 55.5 | 1063.38 | 1036.4 | 82.48 | 26.98 |
| 7/12/2017 | LW-22 | 1118.88 | 77.75 | 1041.13 | 1036.4 | 82.48 | 4.73 |
| 8/10/2017 | LW-22 | 1118.88 | 77.8 | 1041.08 | 1036.4 | 82.48 | 4.68 |
| 9/14/2017 | LW-22 | 1118.88 | 78.8 | 1040.08 | 1036.4 | 82.48 | 3.68 |
| 10/4/2017 | LW-22 | 1118.88 | 70.3 | 1048.58 | 1036.4 | 82.48 | 12.18 |
| 11/1/2017 | LW-22 | 1118.88 | 65.65 | 1053.23 | 1036.4 | 82.48 | 16.83 |
| 12/13/2017 | LW-22 | 1118.88 | 60 | 1058.88 | 1036.4 | 82.48 | 22.48 |
| 1/12/2018 | LW-22 | 1118.88 | 67.3 | 1051.58 | 1036.4 | 82.48 | 15.18 |
| 2/8/2018 | LW-22 | 1118.88 | 60.3 | 1058.58 | 1036.4 | 82.48 | 22.18 |
| 3/13/2018 | LW-22 | 1118.88 | 77.3 | 1041.58 | 1036.4 | 82.48 | 5.18 |
| 4/17/2018 | LW-22 | 1118.88 | 59.1 | 1059.78 | 1036.4 | 82.48 | 23.38 |
| 5/18/2018 | LW-22 | 1118.88 | 57.4 | 1061.48 | 1036.4 | 82.48 | 25.08 |
| 6/6/2018 | LW-22 | 1118.88 | 56.9 | 1061.98 | 1036.4 | 82.48 | 25.58 |
| 7/11/2018 | LW-22 | 1118.88 | 59.15 | 1059.73 | 1036.4 | 82.48 | 23.33 |
| 8/7/2018 | LW-22 | 1118.88 | 56 | 1062.88 | 1036.4 | 82.48 | 26.48 |
| 9/10/2018 | LW-22 | 1118.88 | 55.9 | 1062.98 | 1036.4 | 82.48 | 26.58 |
| 10/11/2018 | LW-22 | 1118.88 | 57.51 | 1061.37 | 1036.4 | 82.48 | 24.97 |
| 11/14/2018 | LW-22 | 1118.88 | 77.12 | 1041.76 | 1036.4 | 82.48 | 5.36 |
| 12/15/2018 | LW-22 | 1118.88 | 77.7 | 1041.18 | 1036.4 | 82.48 | 4.78 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/16/2019 | LW-22 | 1118.88 | 66.35 | 1052.53 | 1036.4 | 82.48 | 16.13 |
| 2/15/2019 | LW-22 | 1118.88 | 66.4 | 1052.48 | 1036.4 | 82.48 | 16.08 |
| 3/14/2019 | LW-22 | 1118.88 | 76.35 | 1042.53 | 1036.4 | 82.48 | 6.13 |
| 4/24/2019 | LW-22 | 1118.88 | 59.9 | 1058.98 | 1036.4 | 82.48 | 22.58 |
| 5/15/2019 | LW-22 | 1118.88 | 66.2 | 1052.68 | 1036.4 | 82.48 | 16.28 |
| 6/5/2019 | LW-22 | 1118.88 | 61.55 | 1057.33 | 1036.4 | 82.48 | 20.93 |
| 7/17/2019 | LW-22 | 1118.88 | 67.95 | 1050.93 | 1036.4 | 82.48 | 14.53 |
| 8/19/2019 | LW-22 | 1118.88 | 60.2 | 1058.68 | 1036.4 | 82.48 | 22.28 |
| 9/16/2019 | LW-22 | 1118.88 | 74.45 | 1044.43 | 1036.4 | 82.48 | 8.03 |
| 10/8/2019 | LW-22 | 1118.88 | 77.2 | 1041.68 | 1036.4 | 82.48 | 5.28 |
| 11/20/2019 | LW-22 | 1118.88 | 76.05 | 1042.83 | 1036.4 | 82.48 | 6.43 |
| 12/2/2019 | LW-22 | 1118.88 | 65.7 | 1053.18 | 1036.4 | 82.48 | 16.78 |
| 1/15/2020 | LW-22 | 1118.88 | 76.6 | 1042.28 | 1036.4 | 82.48 | 5.88 |
| 2/10/2020 | LW-22 | 1118.88 | 73.7 | 1045.18 | 1036.4 | 82.48 | 8.78 |
| 3/24/2020 | LW-22 | 1118.88 | 77.58 | 1041.3 | 1036.4 | 82.48 | 4.9 |
| 4/14/2020 | LW-22 | 1118.88 | 73.8 | 1045.08 | 1036.4 | 82.48 | 8.68 |
| 5/12/2020 | LW-22 | 1118.88 | 61.45 | 1057.43 | 1036.4 | 82.48 | 21.03 |
| 6/3/2020 | LW-22 | 1118.88 | 59.3 | 1059.58 | 1036.4 | 82.48 | 23.18 |
| 7/20/2020 | LW-22 | 1118.88 | 58.75 | 1060.13 | 1036.4 | 82.48 | 23.73 |
| 8/17/2020 | LW-22 | 1118.88 | 59.1 | 1059.78 | 1036.4 | 82.48 | 23.38 |
| 9/2/2020 | LW-22 | 1118.88 | 58.25 | 1060.63 | 1036.4 | 82.48 | 24.23 |
| 10/7/2020 | LW-22 | 1118.88 | 59.78 | 1059.1 | 1036.4 | 82.48 | 22.7 |
| 11/27/2020 | LW-22 | 1118.88 | 44.08 | 1074.8 | 1036.4 | 82.48 | 38.4 |
| 12/28/2020 | LW-22 | 1118.88 | NR | | 1036.4 | 82.48 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness | |
|---|---|---|---|---|---|---|---|---|
| 1/22/2021 | LW-22 | 1116.88 | 73.45 | 1043.43 | 1036.4 | 80.48 | 7.03 | Approx 2ft cut off |
| 2/18/2021 | LW-22 | 1116.88 | 73.6 | 1043.28 | 1036.4 | 80.48 | 6.88 | |
| 3/8/2021 | LW-22 | 1116.88 | 73.42 | 1043.46 | 1036.4 | 80.48 | 7.06 | |
| 4/15/2021 | LW-22 | 1116.88 | 73.4 | 1043.48 | 1036.4 | 80.48 | 7.08 | |
| 5/19/2021 | LW-22 | 1116.88 | 73.75 | 1043.13 | 1036.4 | 80.48 | 6.73 | |
| 6/4/2021 | LW-22 | 1116.88 | 73.6 | 1043.28 | 1036.4 | 80.48 | 6.88 | |
| 7/15/2021 | LW-22 | 1116.88 | 69.3 | 1047.58 | 1036.4 | 80.48 | 11.18 | |
| 8/23/2021 | LW-22 | 1116.88 | 59.55 | 1057.33 | 1036.4 | 80.48 | 20.93 | |
| 9/14/2021 | LW-22 | 1116.88 | 74.4 | 1042.48 | 1036.4 | 80.48 | 6.08 | |
| 10/15/2021 | LW-22 | 1116.88 | 75.23 | 1041.65 | 1036.4 | 80.48 | 5.25 | |
| 11/9/2021 | LW-22 | 1116.88 | 75.1 | 1041.78 | 1036.4 | 80.48 | 5.38 | |
| 12/1/2021 | LW-22 | 1116.88 | 75.25 | 1041.63 | 1036.4 | 80.48 | 5.23 | |
| 1/5/2022 | LW-22 | 1115.05 | 75.15 | 1039.9 | 1036.4 | 78.65 | 3.5 | |
| 2/8/2022 | LW-22 | 1115.05 | 75.3 | 1039.75 | 1036.4 | 78.65 | 3.35 | |
| 3/28/2022 | LW-22 | 1115.05 | 75.35 | 1039.7 | 1036.4 | 78.65 | 3.3 | |
| 4/20/2022 | LW-22 | 1115.05 | 70.05 | 1045 | 1036.4 | 78.65 | 8.6 | |
| 5/9/2022 | LW-22 | 1115.05 | 74.95 | 1040.1 | 1036.4 | 78.65 | 3.7 | |
| 6/20/2022 | LW-22 | 1115.05 | 75.35 | 1039.7 | 1036.4 | 78.65 | 3.3 | |
| 7/1/2022 | LW-22 | 1115.05 | 75.28 | 1039.77 | 1036.4 | 78.65 | 3.37 | |
| 8/4/2022 | LW-22 | 1115.05 | 75.22 | 1039.83 | 1036.4 | 78.65 | 3.43 | |
| 9/13/2022 | LW-22 | 1115.05 | 75.2 | 1039.85 | 1036.4 | 78.65 | 3.45 | |
| 10/11/2022 | LW-22 | 1115.05 | 75.25 | 1039.8 | 1036.4 | 78.65 | 3.4 | |
| 11/10/2022 | LW-22 | 1115.05 | 75.15 | 1039.9 | 1036.4 | 78.65 | 3.5 | |
| 12/1/2022 | LW-22 | 1115.05 | 75.11 | 1039.94 | 1036.4 | 78.65 | 3.54 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness | |
|---|---|---|---|---|---|---|---|---|
| 1/24/2023 | LW-22 | 1115.05 | 75.00 | 1040.05 | 1036.4 | 78.65 | 3.65 | |
| 2/6/2023 | LW-22 | 1115.05 | 74.96 | 1040.09 | 1036.4 | 78.65 | 3.69 | |
| 3/23/2023 | LW-22 | 1115.05 | 75.42 | 1039.63 | 1036.4 | 78.65 | 3.23 | |
| 4/12/2023 | LW-22 | 1115.05 | 75.25 | 1039.8 | 1036.4 | 78.65 | 3.4 | |
| 5/9/2023 | LW-22 | 1115.05 | 75.15 | 1039.9 | 1036.4 | 78.65 | 3.5 | |
| 6/7/2023 | LW-22 | 1115.05 | 75.05 | 1040 | 1036.4 | 78.65 | 3.6 | Replaced Pump 6/2023 |
| 7/12/2023 | LW-22 | 1115.05 | 72.9 | 1042.15 | 1036.4 | 78.65 | 5.75 | |
| 8/7/2023 | LW-22 | 1115.05 | 72.95 | 1042.1 | 1036.4 | 78.65 | 5.7 | |
| 9/5/2023 | LW-22 | 1115.05 | 73.35 | 1041.7 | 1036.4 | 78.65 | 5.3 | |
| 10/20/2023 | LW-22 | 1115.05 | 73.25 | 1041.8 | 1036.4 | 78.65 | 5.4 | |
| 11/13/2023 | LW-22 | 1115.05 | 72.9 | 1042.15 | 1036.4 | 78.65 | 5.75 | |
| 12/14/2023 | LW-22 | 1115.05 | 73.83 | 1041.22 | 1036.4 | 78.65 | 4.82 | |
| 1/8/2024 | LW-22 | 1115.05 | 74.1 | 1040.95 | 1036.4 | 78.65 | 4.55 | |
| 2/8/2024 | LW-22 | 1115.05 | 74.35 | 1040.7 | 1036.4 | 78.65 | 4.3 | |
| 3/6/2024 | LW-22 | 1115.05 | 74.03 | 1041.02 | 1036.4 | 78.65 | 4.62 | |
| 4/1/2024 | LW-22 | 1115.05 | 74.15 | 1040.9 | 1036.4 | 78.65 | 4.5 | |
| 5/22/2024 | LW-22 | 1115.05 | 74.11 | 1040.94 | 1036.4 | 78.65 | 4.54 | |
| 6/3/2024 | LW-22 | 1115.05 | 74.25 | 1040.8 | 1036.4 | 78.65 | 4.4 | |
| 7/9/2024 | LW-22 | 1115.05 | 74.3 | 1040.75 | 1036.4 | 78.65 | 4.35 | |
| 8/6/2024 | LW-22 | 1115.05 | 73.94 | 1041.11 | 1036.4 | 78.65 | 4.71 | |
| 9/18/2024 | LW-22 | 1115.05 | 77.8 | 1037.25 | 1036.4 | 78.65 | 0.85 | |
| 10/25/2024 | LW-22 | 1115.05 | 74.5 | 1040.55 | 1036.4 | 78.65 | 4.15 | |
| 11/20/2024 | LW-22 | 1115.05 | 73.94 | 1041.11 | 1036.4 | 78.65 | 4.71 | |
| 12/9/2024 | LW-22 | 1115.05 | 74.38 | 1040.67 | 1036.4 | 78.65 | 4.27 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/15/2025 | LW-22 | 1115.05 | 74.32 | 1040.73 | 1036.4 | 78.65 | 4.33 |
| 2/21/2025 | LW-22 | 1115.05 | 74.03 | 1041.02 | 1036.4 | 78.65 | 4.62 |
| 3/11/2025 | LW-22 | 1115.05 | 74.05 | 1041 | 1036.4 | 78.65 | 4.6 |
| 4/7/2025 | LW-22 | 1115.05 | 74.35 | 1040.7 | 1036.4 | 78.65 | 4.3 |
| 5/21/2025 | LW-22 | 1115.05 | 74.11 | 1040.94 | 1036.4 | 78.65 | 4.54 |
| 6/2/2025 | LW-22 | 1115.05 | 74.01 | 1041.04 | 1036.4 | 78.65 | 4.64 |
| 7/8/2025 | LW-22 | 1115.05 | 74.12 | 1040.93 | 1036.4 | 78.65 | 4.53 |
| 8/6/2025 | LW-22 | 1115.05 | 74.2 | 1040.85 | 1036.4 | 78.65 | 4.45 |
| 9/4/2025 | LW-22 | 1115.05 | 74.05 | 1041 | 1036.4 | 78.65 | 4.6 |
| 10/17/2025 | LW-22 | 1115.05 | 74.5 | 1040.55 | 1036.4 | 78.65 | 4.15 |
| 11/11/2025 | LW-22 | 1115.05 | 74.4 | 1040.65 | 1036.4 | 78.65 | 4.25 |
| 12/20/2025 | LW-22 | 1115.05 | 74.32 | 1040.73 | 1036.4 | 78.65 | 4.33 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2011 | LW-23 | 1121.22 | 36.5 | 1084.72 | 1036.9 | 84.32 | 47.82 |
| 2/24/2011 | LW-23 | 1121.22 | 37.1 | 1084.12 | 1036.9 | 84.32 | 47.22 |
| 3/4/2011 | LW-23 | 1121.22 | 37.3 | 1083.92 | 1036.9 | 84.32 | 47.02 |
| 4/29/2011 | LW-23 | 1121.22 | 37.9 | 1083.32 | 1036.9 | 84.32 | 46.42 |
| 5/17/2011 | LW-23 | 1121.22 | 38.4 | 1082.82 | 1036.9 | 84.32 | 45.92 |
| 6/7/2011 | LW-23 | 1121.22 | 38.4 | 1082.82 | 1036.9 | 84.32 | 45.92 |
| 7/6/2011 | LW-23 | 1121.22 | 38.4 | 1082.82 | 1036.9 | 84.32 | 45.92 |
| 8/9/2011 | LW-23 | 1121.22 | 38 | 1083.22 | 1036.9 | 84.32 | 46.32 |
| 9/22/2011 | LW-23 | 1121.22 | 40.8 | 1080.42 | 1036.9 | 84.32 | 43.52 |
| 10/4/2011 | LW-23 | 1121.22 | 40.7 | 1080.52 | 1036.9 | 84.32 | 43.62 |
| 12/9/2011 | LW-23 | 1121.22 | 40.3 | 1080.92 | 1036.9 | 84.32 | 44.02 |
| 1/18/2012 | LW-23 | 1121.22 | 40 | 1081.22 | 1036.9 | 84.32 | 44.32 |
| 2/27/2012 | LW-23 | 1121.22 | 39.9 | 1081.32 | 1036.9 | 84.32 | 44.42 |
| 3/13/2012 | LW-23 | 1121.22 | 40.1 | 1081.12 | 1036.9 | 84.32 | 44.22 |
| 4/17/2012 | LW-23 | 1121.22 | 40.5 | 1080.72 | 1036.9 | 84.32 | 43.82 |
| 5/16/2012 | LW-23 | 1121.22 | 40.5 | 1080.72 | 1036.9 | 84.32 | 43.82 |
| 6/26/2012 | LW-23 | 1121.22 | 43.2 | 1078.02 | 1036.9 | 84.32 | 41.12 |
| 7/18/2012 | LW-23 | 1121.22 | 42 | 1079.22 | 1036.9 | 84.32 | 42.32 |
| 9/19/2012 | LW-23 | 1121.22 | 61 | 1060.22 | 1036.9 | 84.32 | 23.32 |
| 10/24/2012 | LW-23 | 1121.22 | 47.7 | 1073.52 | 1036.9 | 84.32 | 36.62 |
| 11/21/2012 | LW-23 | 1121.22 | Pump is Blocking | | 1036.9 | 84.32 | |
| 12/11/2012 | LW-23 | 1121.22 | Pump is Blocking | | 1036.9 | 84.32 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2013 | LW-23 | 1121.22 | Pump is Blocking | | 1036.9 | 84.32 | |
| 2/28/2013 | LW-23 | 1121.22 | Pump is Blocking | | 1036.9 | 84.32 | |
| 3/25/2013 | LW-23 | 1121.22 | Pump is Blocking | | 1036.9 | 84.32 | |
| 4/1/2013 | LW-23 | 1121.22 | 44.6 | 1076.62 | 1036.9 | 84.32 | 39.72 |
| 5/13/2013 | LW-23 | 1121.22 | Pump is Blocking | | 1036.9 | 84.32 | |
| 6/10/2013 | LW-23 | 1121.22 | Pump is Blocking | | 1036.9 | 84.32 | |
| 7/17/2013 | LW-23 | 1121.22 | Pump is Blocking | | 1036.9 | 84.32 | |
| 8/15/2013 | LW-23 | 1121.22 | 46.65 | 1074.57 | 1036.9 | 84.32 | 37.67 |
| 9/19/2013 | LW-23 | 1121.22 | 47.5 | 1073.72 | 1036.9 | 84.32 | 36.82 |
| 10/10/2013 | LW-23 | 1121.22 | Broken Tube | | 1036.9 | 84.32 | |
| 11/12/2013 | LW-23 | 1121.22 | Broken Tube | | 1036.9 | 84.32 | |
| 12/4/2013 | LW-23 | 1121.22 | Broken Tube | | 1036.9 | 84.32 | |
| 1/15/2014 | LW-23 | 1121.22 | Broken Tube | | 1036.9 | 84.32 | |
| 2/10/2014 | LW-23 | 1121.22 | Broken Tube | | 1036.9 | 84.32 | |
| 3/27/2014 | LW-23 | 1121.22 | 56.6 | 1064.62 | 1036.9 | 84.32 | 27.72 |
| 4/15/2014 | LW-23 | 1121.22 | 73.4 | 1047.82 | 1036.9 | 84.32 | 10.92 |
| 5/8/2014 | LW-23 | 1121.22 | 73.4 | 1047.82 | 1036.9 | 84.32 | 10.92 |
| 6/9/2014 | LW-23 | 1121.22 | 74.6 | 1046.62 | 1036.9 | 84.32 | 9.72 |
| 7/8/2014 | LW-23 | 1121.22 | 65.4 | 1055.82 | 1036.9 | 84.32 | 18.92 |
| 8/18/2014 | LW-23 | 1121.22 | 73.1 | 1048.12 | 1036.9 | 84.32 | 11.22 |
| 9/24/2014 | LW-23 | 1121.22 | 74.8 | 1046.42 | 1036.9 | 84.32 | 9.52 |
| 10/10/2014 | LW-23 | 1121.22 | 74.95 | 1046.27 | 1036.9 | 84.32 | 9.37 |
| 11/19/2014 | LW-23 | 1121.22 | 61.6 | 1059.62 | 1036.9 | 84.32 | 22.72 |
| 12/2/2014 | LW-23 | 1121.22 | 57.3 | 1063.92 | 1036.9 | 84.32 | 27.02 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/19/2015 | LW-23 | 1121.22 | 52.8 | 1068.42 | 1036.9 | 84.32 | 31.52 |
| 2/17/2015 | LW-23 | 1121.22 | 51.7 | 1069.52 | 1036.9 | 84.32 | 32.62 |
| 3/19/2015 | LW-23 | 1121.22 | 51.3 | 1069.92 | 1036.9 | 84.32 | 33.02 |
| 4/7/2015 | LW-23 | 1121.22 | 50.4 | 1070.82 | 1036.9 | 84.32 | 33.92 |
| 5/4/2015 | LW-23 | 1121.22 | 71.8 | 1049.42 | 1036.9 | 84.32 | 12.52 |
| 6/17/2015 | LW-23 | 1121.22 | 75.3 | 1045.92 | 1036.9 | 84.32 | 9.02 |
| 7/7/2015 | LW-23 | 1121.22 | 74.3 | 1046.92 | 1036.9 | 84.32 | 10.02 |
| 8/6/2015 | LW-23 | 1121.22 | 75.4 | 1045.82 | 1036.9 | 84.32 | 8.92 |
| 9/2/2015 | LW-23 | 1121.22 | 75.7 | 1045.52 | 1036.9 | 84.32 | 8.62 |
| 10/1/2015 | LW-23 | 1121.22 | 69.4 | 1051.82 | 1036.9 | 84.32 | 14.92 |
| 11/10/2015 | LW-23 | 1121.22 | 73.9 | 1047.32 | 1036.9 | 84.32 | 10.42 |
| 12/10/2015 | LW-23 | 1121.22 | 73.9 | 1047.32 | 1036.9 | 84.32 | 10.42 |
| 1/19/2016 | LW-23 | 1121.22 | 58.17 | 1063.05 | 1036.9 | 84.32 | 26.15 |
| 2/11/2016 | LW-23 | 1121.22 | 57.2 | 1064.02 | 1036.9 | 84.32 | 27.12 |
| 3/3/2016 | LW-23 | 1121.22 | 53.45 | 1067.77 | 1036.9 | 84.32 | 30.87 |
| 4/18/2016 | LW-23 | 1121.22 | 52 | 1069.22 | 1036.9 | 84.32 | 32.32 |
| 5/10/2016 | LW-23 | 1121.22 | 52.4 | 1068.82 | 1036.9 | 84.32 | 31.92 |
| 6/21/2016 | LW-23 | 1121.22 | 50.6 | 1070.62 | 1036.9 | 84.32 | 33.72 |
| 7/6/2016 | LW-23 | 1121.22 | 49.95 | 1071.27 | 1036.9 | 84.32 | 34.37 |
| 8/15/2016 | LW-23 | 1121.22 | 49.77 | 1071.45 | 1036.9 | 84.32 | 34.55 |
| 9/21/2016 | LW-23 | 1121.22 | 49.2 | 1072.02 | 1036.9 | 84.32 | 35.12 |
| 10/7/2016 | LW-23 | 1121.22 | 49.3 | 1071.92 | 1036.9 | 84.32 | 35.02 |
| 11/9/2016 | LW-23 | 1121.22 | 50.2 | 1071.02 | 1036.9 | 84.32 | 34.12 |
| 12/8/2016 | LW-23 | 1121.22 | 50.25 | 1070.97 | 1036.9 | 84.32 | 34.07 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/18/2017 | LW-23 | 1121.22 | 49.6 | 1071.62 | 1036.9 | 84.32 | 34.72 |
| 2/4/2017 | LW-23 | 1121.22 | 49.95 | 1071.27 | 1036.9 | 84.32 | 34.37 |
| 3/9/2017 | LW-23 | 1121.22 | 49.5 | 1071.72 | 1036.9 | 84.32 | 34.82 |
| 4/17/2017 | LW-23 | 1121.22 | 49.5 | 1071.72 | 1036.9 | 84.32 | 34.82 |
| 5/17/2017 | LW-23 | 1121.22 | 48.7 | 1072.52 | 1036.9 | 84.32 | 35.62 |
| 6/6/2017 | LW-23 | 1121.22 | 49.2 | 1072.02 | 1036.9 | 84.32 | 35.12 |
| 7/12/2017 | LW-23 | 1121.22 | 49.15 | 1072.07 | 1036.9 | 84.32 | 35.17 |
| 8/10/2017 | LW-23 | 1121.22 | 73.5 | 1047.72 | 1036.9 | 84.32 | 10.82 |
| 9/14/2017 | LW-23 | 1121.22 | 74.8 | 1046.42 | 1036.9 | 84.32 | 9.52 |
| 10/4/2017 | LW-23 | 1121.22 | 74.8 | 1046.42 | 1036.9 | 84.32 | 9.52 |
| 11/1/2017 | LW-23 | 1121.22 | 57.55 | 1063.67 | 1036.9 | 84.32 | 26.77 |
| 12/13/2017 | LW-23 | 1121.22 | 52.35 | 1068.87 | 1036.9 | 84.32 | 31.97 |
| 1/12/2018 | LW-23 | 1121.22 | 74.7 | 1046.52 | 1036.9 | 84.32 | 9.62 |
| 2/8/2018 | LW-23 | 1121.22 | 56.3 | 1064.92 | 1036.9 | 84.32 | 28.02 |
| 3/13/2018 | LW-23 | 1121.22 | 74.9 | 1046.32 | 1036.9 | 84.32 | 9.42 |
| 4/17/2018 | LW-23 | 1121.22 | 74.8 | 1046.42 | 1036.9 | 84.32 | 9.52 |
| 5/18/2018 | LW-23 | 1121.22 | 73.7 | 1047.52 | 1036.9 | 84.32 | 10.62 |
| 6/6/2018 | LW-23 | 1121.22 | 74.6 | 1046.62 | 1036.9 | 84.32 | 9.72 |
| 7/11/2018 | LW-23 | 1121.22 | 74.8 | 1046.42 | 1036.9 | 84.32 | 9.52 |
| 8/7/2018 | LW-23 | 1121.22 | 73.65 | 1047.57 | 1036.9 | 84.32 | 10.67 |
| 9/10/2018 | LW-23 | 1121.22 | 74.76 | 1046.46 | 1036.9 | 84.32 | 9.56 |
| 10/11/2018 | LW-23 | 1121.22 | 74.6 | 1046.62 | 1036.9 | 84.32 | 9.72 |
| 11/14/2018 | LW-23 | 1121.22 | 74.8 | 1046.42 | 1036.9 | 84.32 | 9.52 |
| 12/15/2018 | LW-23 | 1121.22 | 74.7 | 1046.52 | 1036.9 | 84.32 | 9.62 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/16/2019 | LW-23 | 1121.22 | 74.6 | 1046.62 | 1036.9 | 84.32 | 9.72 |
| 2/15/2019 | LW-23 | 1121.22 | 74.75 | 1046.47 | 1036.9 | 84.32 | 9.57 |
| 3/14/2019 | LW-23 | 1121.22 | 74.7 | 1046.52 | 1036.9 | 84.32 | 9.62 |
| 4/24/2019 | LW-23 | 1121.22 | 73.8 | 1047.42 | 1036.9 | 84.32 | 10.52 |
| 5/15/2019 | LW-23 | 1121.22 | 74.55 | 1046.67 | 1036.9 | 84.32 | 9.77 |
| 6/5/2019 | LW-23 | 1121.22 | 58.62 | 1062.6 | 1036.9 | 84.32 | 25.7 |
| 7/17/2019 | LW-23 | 1121.22 | 74.79 | 1046.43 | 1036.9 | 84.32 | 9.53 |
| 8/19/2019 | LW-23 | 1121.22 | 72.5 | 1048.72 | 1036.9 | 84.32 | 11.82 |
| 9/16/2019 | LW-23 | 1121.22 | 71.88 | 1049.34 | 1036.9 | 84.32 | 12.44 |
| 10/8/2019 | LW-23 | 1121.22 | 74.3 | 1046.92 | 1036.9 | 84.32 | 10.02 |
| 11/20/2019 | LW-23 | 1121.22 | 74.75 | 1046.47 | 1036.9 | 84.32 | 9.57 |
| 12/2/2019 | LW-23 | 1121.22 | 74.83 | 1046.39 | 1036.9 | 84.32 | 9.49 |
| 1/15/2020 | LW-23 | 1121.22 | 72.93 | 1048.29 | 1036.9 | 84.32 | 11.39 |
| 2/10/2020 | LW-23 | 1121.22 | 74.4 | 1046.82 | 1036.9 | 84.32 | 9.92 |
| 3/24/2020 | LW-23 | 1121.22 | 74.42 | 1046.8 | 1036.9 | 84.32 | 9.9 |
| 4/14/2020 | LW-23 | 1121.22 | 72.25 | 1048.97 | 1036.9 | 84.32 | 12.07 |
| 5/12/2020 | LW-23 | 1121.22 | 71.65 | 1049.57 | 1036.9 | 84.32 | 12.67 |
| 6/3/2020 | LW-23 | 1121.22 | 69.95 | 1051.27 | 1036.9 | 84.32 | 14.37 |
| 7/20/2020 | LW-23 | 1121.22 | 72.1 | 1049.12 | 1036.9 | 84.32 | 12.22 |
| 8/17/2020 | LW-23 | 1121.22 | 72.9 | 1048.32 | 1036.9 | 84.32 | 11.42 |
| 9/2/2020 | LW-23 | 1121.22 | 59.9 | 1061.32 | 1036.9 | 84.32 | 24.42 |
| 10/7/2020 | LW-23 | 1121.22 | 55.2 | 1066.02 | 1036.9 | 84.32 | 29.12 |
| 11/27/2020 | LW-23 | 1121.22 | 68.8 | 1052.42 | 1036.9 | 84.32 | 15.52 |
| 12/28/2020 | LW-23 | 1121.22 | 55.6 | 1065.62 | 1036.9 | 84.32 | 28.72 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness | |
|---|---|---|---|---|---|---|---|---|
| 1/22/2021 | LW-23 | 1119.22 | 52.8 | 1066.42 | 1036.9 | 82.32 | 29.52 | Approx 2ft cut off |
| 2/18/2021 | LW-23 | 1119.22 | 52.1 | 1067.12 | 1036.9 | 82.32 | 30.22 | |
| 3/8/2021 | LW-23 | 1119.22 | 51.59 | 1067.63 | 1036.9 | 82.32 | 30.73 | |
| 4/15/2021 | LW-23 | 1119.22 | 50.58 | 1068.64 | 1036.9 | 82.32 | 31.74 | |
| 5/19/2021 | LW-23 | 1119.22 | 50.5 | 1068.72 | 1036.9 | 82.32 | 31.82 | |
| 6/4/2021 | LW-23 | 1119.22 | 50.6 | 1068.62 | 1036.9 | 82.32 | 31.72 | |
| 7/15/2021 | LW-23 | 1119.22 | 58.3 | 1060.92 | 1036.9 | 82.32 | 24.02 | |
| 8/23/2021 | LW-23 | 1119.22 | 52.55 | 1066.67 | 1036.9 | 82.32 | 29.77 | |
| 9/14/2021 | LW-23 | 1119.22 | 72.62 | 1046.6 | 1036.9 | 82.32 | 9.7 | |
| 10/15/2021 | LW-23 | 1119.22 | 55.05 | 1064.17 | 1036.9 | 82.32 | 27.27 | |
| 11/9/2021 | LW-23 | 1119.22 | 53.5 | 1065.72 | 1036.9 | 82.32 | 28.82 | |
| 12/1/2021 | LW-23 | 1119.22 | 52.35 | 1066.87 | 1036.9 | 82.32 | 29.97 | |
| 1/5/2022 | LW-23 | 1118.23 | 51.71 | 1066.52 | 1036.9 | 81.33 | 29.62 | |
| 2/8/2022 | LW-23 | 1118.23 | 51.25 | 1066.98 | 1036.9 | 81.33 | 30.08 | |
| 3/28/2022 | LW-23 | 1118.23 | 51.22 | 1067.01 | 1036.9 | 81.33 | 30.11 | |
| 4/20/2022 | LW-23 | 1118.23 | 50.5 | 1067.73 | 1036.9 | 81.33 | 30.83 | |
| 5/9/2022 | LW-23 | 1118.23 | 49.95 | 1068.28 | 1036.9 | 81.33 | 31.38 | |
| 6/20/2022 | LW-23 | 1118.23 | 55.95 | 1062.28 | 1036.9 | 81.33 | 25.38 | |
| 7/1/2022 | LW-23 | 1118.23 | 50.93 | 1067.3 | 1036.9 | 81.33 | 30.4 | |
| 8/4/2022 | LW-23 | 1118.23 | 50.91 | 1067.32 | 1036.9 | 81.33 | 30.42 | |
| 9/13/2022 | LW-23 | 1118.23 | 50.95 | 1067.28 | 1036.9 | 81.33 | 30.38 | |
| 10/11/2022 | LW-23 | 1118.23 | 72.3 | 1045.93 | 1036.9 | 81.33 | 9.03 | |
| 11/10/2022 | LW-23 | 1118.23 | 72.31 | 1045.92 | 1036.9 | 81.33 | 9.02 | |
| 12/1/2022 | LW-23 | 1118.23 | 72.05 | 1046.18 | 1036.9 | 81.33 | 9.28 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness | |
|---|---|---|---|---|---|---|---|---|
| 1/24/2023 | LW-23 | 1118.23 | 53.85 | 1064.38 | 1036.9 | 81.33 | 27.48 | |
| 2/6/2023 | LW-23 | 1118.23 | 53.12 | 1065.11 | 1036.9 | 81.33 | 28.21 | |
| 3/23/2023 | LW-23 | 1118.23 | 51.85 | 1066.38 | 1036.9 | 81.33 | 29.48 | |
| 4/12/2023 | LW-23 | 1118.23 | 52.1 | 1066.13 | 1036.9 | 81.33 | 29.23 | |
| 5/9/2023 | LW-23 | 1118.23 | 52.01 | 1066.22 | 1036.9 | 81.33 | 29.32 | |
| 6/7/2023 | LW-23 | 1118.23 | 51.85 | 1066.38 | 1036.9 | 81.33 | 29.48 | Replaced Pump 6/2023 |
| 7/12/2023 | LW-23 | 1118.23 | 68.8 | 1049.43 | 1036.9 | 81.33 | 12.53 | |
| 8/7/2023 | LW-23 | 1118.23 | 70 | 1048.23 | 1036.9 | 81.33 | 11.33 | |
| 9/5/2023 | LW-23 | 1118.23 | 70.01 | 1048.22 | 1036.9 | 81.33 | 11.32 | |
| 10/20/2023 | LW-23 | 1118.23 | 70.4 | 1047.83 | 1036.9 | 81.33 | 10.93 | |
| 11/13/2023 | LW-23 | 1118.23 | 70.19 | 1048.04 | 1036.9 | 81.33 | 11.14 | |
| 12/14/2023 | LW-23 | 1118.23 | 70.05 | 1048.18 | 1036.9 | 81.33 | 11.28 | |
| 1/8/2024 | LW-23 | 1118.23 | 66.65 | 1051.58 | 1036.9 | 81.33 | 14.68 | |
| 2/8/2024 | LW-23 | 1118.23 | 70.17 | 1048.06 | 1036.9 | 81.33 | 11.16 | |
| 3/6/2024 | LW-23 | 1118.23 | 70.15 | 1048.08 | 1036.9 | 81.33 | 11.18 | |
| 4/1/2024 | LW-23 | 1118.23 | 70.00 | 1048.23 | 1036.9 | 81.33 | 11.33 | |
| 5/22/2024 | LW-23 | 1118.23 | 69.87 | 1048.36 | 1036.9 | 81.33 | 11.46 | |
| 6/3/2024 | LW-23 | 1118.23 | 57.62 | 1060.61 | 1036.9 | 81.33 | 23.71 | called repair |
| 7/9/2024 | LW-23 | 1118.23 | 70.23 | 1048.00 | 1036.9 | 81.33 | 11.1 | |
| 8/6/2024 | LW-23 | 1118.23 | 67.00 | 1051.23 | 1036.9 | 81.33 | 14.33 | |
| 9/18/2024 | LW-23 | 1118.23 | 74.1 | 1044.13 | 1036.9 | 81.33 | 7.23 | |
| 10/25/2024 | LW-23 | 1118.23 | 70.23 | 1048.00 | 1036.9 | 81.33 | 11.1 | |
| 11/20/2024 | LW-23 | 1118.23 | 69.65 | 1048.58 | 1036.9 | 81.33 | 11.68 | |
| 12/9/2024 | LW-23 | 1118.23 | 69.8 | 1048.43 | 1036.9 | 81.33 | 11.53 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/15/2025 | LW-23 | 1118.23 | 69.54 | 1048.69 | 1036.9 | 81.33 | 11.79 |
| 2/21/2025 | LW-23 | 1118.23 | 70.48 | 1047.75 | 1036.9 | 81.33 | 10.85 |
| 3/11/2025 | LW-23 | 1118.23 | 70.05 | 1048.18 | 1036.9 | 81.33 | 11.28 |
| 4/7/2025 | LW-23 | 1118.23 | 70.05 | 1048.18 | 1036.9 | 81.33 | 11.28 |
| 5/21/2025 | LW-23 | 1118.23 | 69.52 | 1048.71 | 1036.9 | 81.33 | 11.81 |
| 6/2/2025 | LW-23 | 1118.23 | 70.35 | 1047.88 | 1036.9 | 81.33 | 10.98 |
| 7/8/2025 | LW-23 | 1118.23 | 70.26 | 1047.97 | 1036.9 | 81.33 | 11.07 |
| 8/6/2025 | LW-23 | 1118.23 | 71.5 | 1046.73 | 1036.9 | 81.33 | 9.83 |
| 9/4/2025 | LW-23 | 1118.23 | 70.25 | 1047.98 | 1036.9 | 81.33 | 11.08 |
| 10/17/2025 | LW-23 | 1118.23 | 70.41 | 1047.82 | 1036.9 | 81.33 | 10.92 |
| 11/11/2025 | LW-23 | 1118.23 | 70.32 | 1047.91 | 1036.9 | 81.33 | 11.01 |
| 11/20/2025 | LW-23 | 1118.23 | 70.13 | 1048.10 | 1036.9 | 81.33 | 11.2 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2011 | LW-24 | 1113.08 | 72.3 | 1040.78 | 1032.9 | 80.18 | 7.88 |
| 2/24/2011 | LW-24 | 1113.08 | 72.3 | 1040.78 | 1032.9 | 80.18 | 7.88 |
| 3/4/2011 | LW-24 | 1113.08 | 72.8 | 1040.28 | 1032.9 | 80.18 | 7.38 |
| 4/29/2011 | LW-24 | 1113.08 | 72.7 | 1040.38 | 1032.9 | 80.18 | 7.48 |
| 5/17/2011 | LW-24 | 1113.08 | 72.8 | 1040.28 | 1032.9 | 80.18 | 7.38 |
| 6/7/2011 | LW-24 | 1113.08 | 72.6 | 1040.48 | 1032.9 | 80.18 | 7.58 |
| 7/6/2011 | LW-24 | 1113.08 | 72.4 | 1040.68 | 1032.9 | 80.18 | 7.78 |
| 8/9/2011 | LW-24 | 1113.08 | 60.9 | 1052.18 | 1032.9 | 80.18 | 19.28 |
| 9/22/2011 | LW-24 | 1113.08 | 72.9 | 1040.18 | 1032.9 | 80.18 | 7.28 |
| 10/4/2011 | LW-24 | 1113.08 | 72.5 | 1040.58 | 1032.9 | 80.18 | 7.68 |
| 12/9/2011 | LW-24 | 1113.08 | 72.5 | 1040.58 | 1032.9 | 80.18 | 7.68 |
| 1/18/2012 | LW-24 | 1113.08 | 72.3 | 1040.78 | 1032.9 | 80.18 | 7.88 |
| 2/27/2012 | LW-24 | 1113.08 | 72.5 | 1040.58 | 1032.9 | 80.18 | 7.68 |
| 3/13/2012 | LW-24 | 1113.08 | 72.5 | 1040.58 | 1032.9 | 80.18 | 7.68 |
| 4/17/2012 | LW-24 | 1113.08 | 72 | 1041.08 | 1032.9 | 80.18 | 8.18 |
| 5/16/2012 | LW-24 | 1113.08 | 72.3 | 1040.78 | 1032.9 | 80.18 | 7.88 |
| 6/26/2012 | LW-24 | 1113.08 | Pump is Blocking | | 1032.9 | 80.18 | |
| 7/18/2012 | LW-24 | 1113.08 | Pump is Blocking | | 1032.9 | 80.18 | |
| 9/19/2012 | LW-24 | 1113.08 | 72.4 | 1040.68 | 1032.9 | 80.18 | 7.78 |
| 10/24/2012 | LW-24 | 1113.08 | 72.1 | 1040.98 | 1032.9 | 80.18 | 8.08 |
| 11/21/2012 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 12/11/2012 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2013 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 2/28/2013 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 3/25/2013 | LW-24 | 1113.08 | 71.8 | 1041.28 | 1032.9 | 80.18 | 8.38 |
| 4/1/2013 | LW-24 | 1113.08 | 72 | 1041.08 | 1032.9 | 80.18 | 8.18 |
| 5/13/2013 | LW-24 | 1113.08 | 71.5 | 1041.58 | 1032.9 | 80.18 | 8.68 |
| 6/10/2013 | LW-24 | 1113.08 | 71.8 | 1041.28 | 1032.9 | 80.18 | 8.38 |
| 7/17/2013 | LW-24 | 1113.08 | Pump is Blocking | | 1032.9 | 80.18 | |
| 8/15/2013 | LW-24 | 1113.08 | 75.5 | 1037.58 | 1032.9 | 80.18 | 4.68 |
| 9/19/2013 | LW-24 | 1113.08 | 74.85 | 1038.23 | 1032.9 | 80.18 | 5.33 |
| 10/10/2013 | LW-24 | 1113.08 | 74.5 | 1038.58 | 1032.9 | 80.18 | 5.68 |
| 11/12/2013 | LW-24 | 1113.08 | 73.5 | 1039.58 | 1032.9 | 80.18 | 6.68 |
| 12/4/2013 | LW-24 | 1113.08 | 72.5 | 1040.58 | 1032.9 | 80.18 | 7.68 |
| 1/15/2014 | LW-24 | 1113.08 | 72.2 | 1040.88 | 1032.9 | 80.18 | 7.98 |
| 2/10/2014 | LW-24 | 1113.08 | 72.2 | 1040.88 | 1032.9 | 80.18 | 7.98 |
| 3/27/2014 | LW-24 | 1113.08 | 71.6 | 1041.48 | 1032.9 | 80.18 | 8.58 |
| 4/15/2014 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 5/8/2014 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 6/9/2014 | LW-24 | 1113.08 | 71.1 | 1041.98 | 1032.9 | 80.18 | 9.08 |
| 7/8/2014 | LW-24 | 1113.08 | 71.7 | 1041.38 | 1032.9 | 80.18 | 8.48 |
| 8/18/2014 | LW-24 | 1113.08 | 71.7 | 1041.38 | 1032.9 | 80.18 | 8.48 |
| 9/24/2014 | LW-24 | 1113.08 | 71.7 | 1041.38 | 1032.9 | 80.18 | 8.48 |
| 10/10/2014 | LW-24 | 1113.08 | 71.8 | 1041.28 | 1032.9 | 80.18 | 8.38 |
| 11/19/2014 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 12/2/2014 | LW-24 | 1113.08 | 71.5 | 1041.58 | 1032.9 | 80.18 | 8.68 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/19/2015 | LW-24 | 1113.08 | 71.7 | 1041.38 | 1032.9 | 80.18 | 8.48 |
| 2/17/2015 | LW-24 | 1113.08 | 71.6 | 1041.48 | 1032.9 | 80.18 | 8.58 |
| 3/19/2015 | LW-24 | 1113.08 | 71.8 | 1041.28 | 1032.9 | 80.18 | 8.38 |
| 4/7/2015 | LW-24 | 1113.08 | 71.1 | 1041.98 | 1032.9 | 80.18 | 9.08 |
| 5/4/2015 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 6/17/2015 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 7/7/2015 | LW-24 | 1113.08 | 72 | 1041.08 | 1032.9 | 80.18 | 8.18 |
| 8/6/2015 | LW-24 | 1113.08 | 73 | 1040.08 | 1032.9 | 80.18 | 7.18 |
| 9/2/2015 | LW-24 | 1113.08 | 74 | 1039.08 | 1032.9 | 80.18 | 6.18 |
| 10/1/2015 | LW-24 | 1113.08 | 74.15 | 1038.93 | 1032.9 | 80.18 | 6.03 |
| 11/10/2015 | LW-24 | 1113.08 | 72.4 | 1040.68 | 1032.9 | 80.18 | 7.78 |
| 12/10/2015 | LW-24 | 1113.08 | 73.6 | 1039.48 | 1032.9 | 80.18 | 6.58 |
| 1/19/2016 | LW-24 | 1113.08 | 72.05 | 1041.03 | 1032.9 | 80.18 | 8.13 |
| 2/11/2016 | LW-24 | 1113.08 | 75.35 | 1037.73 | 1032.9 | 80.18 | 4.83 |
| 3/3/2016 | LW-24 | 1113.08 | 71.85 | 1041.23 | 1032.9 | 80.18 | 8.33 |
| 4/18/2016 | LW-24 | 1113.08 | 71.8 | 1041.28 | 1032.9 | 80.18 | 8.38 |
| 5/10/2016 | LW-24 | 1113.08 | 74.8 | 1038.28 | 1032.9 | 80.18 | 5.38 |
| 6/21/2016 | LW-24 | 1113.08 | 71.75 | 1041.33 | 1032.9 | 80.18 | 8.43 |
| 7/6/2016 | LW-24 | 1113.08 | 71.75 | 1041.33 | 1032.9 | 80.18 | 8.43 |
| 8/15/2016 | LW-24 | 1113.08 | 71.85 | 1041.23 | 1032.9 | 80.18 | 8.33 |
| 9/21/2016 | LW-24 | 1113.08 | 71.95 | 1041.13 | 1032.9 | 80.18 | 8.23 |
| 10/7/2016 | LW-24 | 1113.08 | 72 | 1041.08 | 1032.9 | 80.18 | 8.18 |
| 11/9/2016 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 12/8/2016 | LW-24 | 1113.08 | 72.1 | 1040.98 | 1032.9 | 80.18 | 8.08 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/18/2017 | LW-24 | 1113.08 | 71.93 | 1041.15 | 1032.9 | 80.18 | 8.25 |
| 2/4/2017 | LW-24 | 1113.08 | 72 | 1041.08 | 1032.9 | 80.18 | 8.18 |
| 3/9/2017 | LW-24 | 1113.08 | 71.97 | 1041.11 | 1032.9 | 80.18 | 8.21 |
| 4/17/2017 | LW-24 | 1113.08 | 71.75 | 1041.33 | 1032.9 | 80.18 | 8.43 |
| 5/17/2017 | LW-24 | 1113.08 | 71.5 | 1041.58 | 1032.9 | 80.18 | 8.68 |
| 6/6/2017 | LW-24 | 1113.08 | 71.8 | 1041.28 | 1032.9 | 80.18 | 8.38 |
| 7/12/2017 | LW-24 | 1113.08 | 71.7 | 1041.38 | 1032.9 | 80.18 | 8.48 |
| 8/10/2017 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 9/14/2017 | LW-24 | 1113.08 | 72 | 1041.08 | 1032.9 | 80.18 | 8.18 |
| 10/4/2017 | LW-24 | 1113.08 | 72.4 | 1040.68 | 1032.9 | 80.18 | 7.78 |
| 11/1/2017 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 12/13/2017 | LW-24 | 1113.08 | 71.95 | 1041.13 | 1032.9 | 80.18 | 8.23 |
| 1/12/2018 | LW-24 | 1113.08 | 72.3 | 1040.78 | 1032.9 | 80.18 | 7.88 |
| 2/8/2018 | LW-24 | 1113.08 | 72.1 | 1040.98 | 1032.9 | 80.18 | 8.08 |
| 3/13/2018 | LW-24 | 1113.08 | 72.3 | 1040.78 | 1032.9 | 80.18 | 7.88 |
| 4/17/2018 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 5/18/2018 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 6/6/2018 | LW-24 | 1113.08 | 71.88 | 1041.2 | 1032.9 | 80.18 | 8.3 |
| 7/11/2018 | LW-24 | 1113.08 | 71.75 | 1041.33 | 1032.9 | 80.18 | 8.43 |
| 8/7/2018 | LW-24 | 1113.08 | 71.8 | 1041.28 | 1032.9 | 80.18 | 8.38 |
| 9/10/2018 | LW-24 | 1113.08 | 71.75 | 1041.33 | 1032.9 | 80.18 | 8.43 |
| 10/11/2018 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |
| 11/14/2018 | LW-24 | 1113.08 | 71.88 | 1041.2 | 1032.9 | 80.18 | 8.3 |
| 12/15/2018 | LW-24 | 1113.08 | 71.9 | 1041.18 | 1032.9 | 80.18 | 8.28 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness | |
|---|---|---|---|---|---|---|---|---|
| 1/16/2019 | LW-24 | 1113.08 | 71.95 | 1041.13 | 1032.9 | 80.18 | 8.23 | |
| 2/15/2019 | LW-24 | 1113.08 | 72.13 | 1040.95 | 1032.9 | 80.18 | 8.05 | |
| 3/14/2019 | LW-24 | 1113.08 | 71.92 | 1041.16 | 1032.9 | 80.18 | 8.26 | |
| 4/24/2019 | LW-24 | 1113.08 | 72 | 1041.08 | 1032.9 | 80.18 | 8.18 | |
| 5/15/2019 | LW-24 | 1113.08 | 72.05 | 1041.03 | 1032.9 | 80.18 | 8.13 | |
| 6/5/2019 | LW-24 | 1113.08 | 71.91 | 1041.17 | 1032.9 | 80.18 | 8.27 | |
| 7/17/2019 | LW-24 | 1113.08 | 71.8 | 1041.28 | 1032.9 | 80.18 | 8.38 | |
| 8/19/2019 | LW-24 | 1113.08 | 72.1 | 1040.98 | 1032.9 | 80.18 | 8.08 | |
| 9/16/2019 | LW-24 | 1113.08 | 72.22 | 1040.86 | 1032.9 | 80.18 | 7.96 | |
| 10/8/2019 | LW-24 | 1113.08 | 72.1 | 1040.98 | 1032.9 | 80.18 | 8.08 | |
| 11/20/2019 | LW-24 | 1113.08 | 72.0 | 1041.08 | 1032.9 | 80.18 | 8.18 | |
| 12/2/2019 | LW-24 | 1113.08 | NR | NR | 1032.9 | 80.18 | NR | |
| 1/15/2020 | LW-24 | 1113.08 | 71.1 | 1041.98 | 1032.9 | 80.18 | 9.08 | obstruction at 71.1 |
| 2/10/2020 | LW-24 | 1113.08 | 71.1 | 1041.98 | 1032.9 | 80.18 | 9.08 | obstruction at 71.1 |
| 3/24/2020 | LW-24 | 1113.08 | 71.1 | 1041.98 | 1032.9 | 80.18 | 9.08 | obstruction at 71.1 |
| 4/14/2020 | LW-24 | 1113.08 | 71.1 | 1041.98 | 1032.9 | 80.18 | 9.08 | obstruction at 71.1 |
| 5/12/2020 | LW-24 | 1113.08 | 71.1 | 1041.98 | 1032.9 | 80.18 | 9.08 | obstruction at 71.1 |
| 6/3/2020 | LW-24 | 1113.08 | 71.1 | 1041.98 | 1032.9 | 80.18 | 9.08 | obstruction at 71.1 |
| 7/20/2020 | LW-24 | 1113.08 | 71.1 | 1041.98 | 1032.9 | 80.18 | 9.08 | obstruction at 71.1 |
| 8/17/2020 | LW-24 | 1113.08 | 71.1 | 1041.98 | 1032.9 | 80.18 | 9.08 | obstruction at 71.1 |
| 9/2/2020 | LW-24 | 1113.08 | 71.1 | 1041.98 | 1032.9 | 80.18 | 9.08 | obstruction at 71.1 |
| 10/7/2020 | LW-24 | 1113.08 | NR | | 1032.9 | 80.18 | | |
| 11/27/2020 | LW-24 | 1113.08 | NR | | 1032.9 | 80.18 | | |
| 12/28/2020 | LW-24 | 1111.08 | 71.00 | 1040.08 | 1032.9 | 78.18 | 7.18 | Approx 2ft cut off |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/22/2021 | LW-24 | 1111.08 | 71.00 | 1040.08 | 1032.9 | 78.18 | 7.18 |
| 2/18/2021 | LW-24 | 1111.08 | 71.00 | 1040.08 | 1032.9 | 78.18 | 7.18 |
| 3/8/2021 | LW-24 | 1111.08 | 70.92 | 1040.16 | 1032.9 | 78.18 | 7.26 |
| 4/15/2021 | LW-24 | 1111.08 | 70.70 | 1040.38 | 1032.9 | 78.18 | 7.48 |
| 5/19/2021 | LW-24 | 1111.08 | 70.58 | 1040.5 | 1032.9 | 78.18 | 7.6 |
| 6/4/2021 | LW-24 | 1111.08 | 70.55 | 1040.53 | 1032.9 | 78.18 | 7.63 |
| 7/15/2021 | LW-24 | 1111.08 | 70.70 | 1040.38 | 1032.9 | 78.18 | 7.48 |
| 8/23/2021 | LW-24 | 1111.08 | 70.65 | 1040.43 | 1032.9 | 78.18 | 7.53 |
| 9/14/2021 | LW-24 | 1111.08 | 70.69 | 1040.39 | 1032.9 | 78.18 | 7.49 |
| 10/15/2021 | LW-24 | 1111.08 | 70.90 | 1040.18 | 1032.9 | 78.18 | 7.28 |
| 11/9/2021 | LW-24 | 1111.08 | 70.85 | 1040.23 | 1032.9 | 78.18 | 7.33 |
| 12/1/2021 | LW-24 | 1111.08 | 70.65 | 1040.43 | 1032.9 | 78.18 | 7.53 |
| 1/5/2022 | LW-24 | 1110.33 | 70.87 | 1039.46 | 1032.9 | 77.43 | 6.56 |
| 2/8/2022 | LW-24 | 1110.33 | 70.64 | 1039.69 | 1032.9 | 77.43 | 6.79 |
| 3/28/2022 | LW-24 | 1110.33 | 70.73 | 1039.6 | 1032.9 | 77.43 | 6.7 |
| 4/20/2022 | LW-24 | 1110.33 | 70.40 | 1039.93 | 1032.9 | 77.43 | 7.03 |
| 5/9/2022 | LW-24 | 1110.33 | 70.60 | 1039.73 | 1032.9 | 77.43 | 6.83 |
| 6/20/2022 | LW-24 | 1110.33 | 70.53 | 1039.8 | 1032.9 | 77.43 | 6.9 |
| 7/1/2022 | LW-24 | 1110.33 | 70.60 | 1039.73 | 1032.9 | 77.43 | 6.83 |
| 8/4/2022 | LW-24 | 1110.33 | 70.65 | 1039.68 | 1032.9 | 77.43 | 6.78 |
| 9/13/2022 | LW-24 | 1110.33 | 70.53 | 1039.8 | 1032.9 | 77.43 | 6.9 |
| 10/11/2022 | LW-24 | 1110.33 | 70.60 | 1039.73 | 1032.9 | 77.43 | 6.83 |
| 11/10/2022 | LW-24 | 1110.33 | 70.68 | 1039.65 | 1032.9 | 77.43 | 6.75 |
| 12/1/2022 | LW-24 | 1110.33 | 70.86 | 1039.47 | 1032.9 | 77.43 | 6.57 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/24/2023 | LW-24 | 1110.33 | 70.95 | 1039.38 | 1032.9 | 77.43 | 6.48 |
| 2/6/2023 | LW-24 | 1110.33 | 70.53 | 1039.8 | 1032.9 | 77.43 | 6.9 |
| 3/23/2023 | LW-24 | 1110.33 | 70.68 | 1039.65 | 1032.9 | 77.43 | 6.75 |
| 4/12/2023 | LW-24 | 1110.33 | 70.48 | 1039.85 | 1032.9 | 77.43 | 6.95 |
| 5/9/2023 | LW-24 | 1110.33 | 70.69 | 1039.64 | 1032.9 | 77.43 | 6.74 |
| 6/7/2023 | LW-24 | 1110.33 | 70.50 | 1039.83 | 1032.9 | 77.43 | 6.93 |
| 7/12/2023 | LW-24 | 1110.33 | 70.72 | 1039.61 | 1032.9 | 77.43 | 6.71 |
| 8/7/2023 | LW-24 | 1110.33 | 70.89 | 1039.44 | 1032.9 | 77.43 | 6.54 |
| 9/5/2023 | LW-24 | 1110.33 | 70.83 | 1039.5 | 1032.9 | 77.43 | 6.6 |
| 10/20/2023 | LW-24 | 1110.33 | 71.10 | 1039.23 | 1032.9 | 77.43 | 6.33 |
| 11/13/2023 | LW-24 | 1110.33 | 71.35 | 1038.98 | 1032.9 | 77.43 | 6.08 |
| 12/14/2023 | LW-24 | 1110.33 | 71.45 | 1038.88 | 1032.9 | 77.43 | 5.98 |
| 1/8/2024 | LW-24 | 1110.33 | 71.18 | 1039.15 | 1032.9 | 77.43 | 6.25 |
| 2/8/2024 | LW-24 | 1110.33 | 70.93 | 1039.4 | 1032.9 | 77.43 | 6.5 |
| 3/6/2024 | LW-24 | 1110.33 | 71.28 | 1039.05 | 1032.9 | 77.43 | 6.15 |
| 4/1/2024 | LW-24 | 1110.33 | 71.09 | 1039.24 | 1032.9 | 77.43 | 6.34 |
| 5/22/2024 | LW-24 | 1110.33 | 71.04 | 1039.29 | 1032.9 | 77.43 | 6.39 |
| 6/3/2024 | LW-24 | 1110.33 | 70.70 | 1039.63 | 1032.9 | 77.43 | 6.73 |
| 7/9/2024 | LW-24 | 1110.33 | 70.77 | 1039.56 | 1032.9 | 77.43 | 6.66 |
| 8/6/2024 | LW-24 | 1110.33 | 70.78 | 1039.55 | 1032.9 | 77.43 | 6.65 |
| 9/18/2024 | LW-24 | 1110.33 | 70.81 | 1039.52 | 1032.9 | 77.43 | 6.62 |
| 10/25/2024 | LW-24 | 1110.33 | 71.00 | 1039.33 | 1032.9 | 77.43 | 6.43 |
| 11/20/2024 | LW-24 | 1110.33 | 70.44 | 1039.89 | 1032.9 | 77.43 | 6.99 |
| 12/9/2024 | LW-24 | 1110.33 | 70.80 | 1039.53 | 1032.9 | 77.43 | 6.63 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/15/2025 | LW-24 | 1110.33 | 70.54 | 1039.79 | 1032.9 | 77.43 | 6.89 |
| 2/21/2025 | LW-24 | 1110.33 | 71.07 | 1039.26 | 1032.9 | 77.43 | 6.36 |
| 3/11/2025 | LW-24 | 1110.33 | 70.70 | 1039.63 | 1032.9 | 77.43 | 6.73 |
| 4/7/2025 | LW-24 | 1110.33 | 70.93 | 1039.4 | 1032.9 | 77.43 | 6.50 |
| 5/21/2025 | LW-24 | 1110.33 | 70.61 | 1039.72 | 1032.9 | 77.43 | 6.82 |
| 6/2/2025 | LW-24 | 1110.33 | 69.80 | 1040.53 | 1032.9 | 77.43 | 7.63 |
| 7/8/2025 | LW-24 | 1110.33 | 70.75 | 1039.58 | 1032.9 | 77.43 | 6.68 |
| 8/6/2025 | LW-24 | 1110.33 | 70.75 | 1039.58 | 1032.9 | 77.43 | 6.68 |
| 9/4/2025 | LW-24 | 1110.33 | 70.30 | 1040.03 | 1032.9 | 77.43 | 7.13 |
| 10/17/2025 | LW-24 | 1110.33 | 70.43 | 1039.9 | 1032.9 | 77.43 | 7.00 |
| 11/11/2025 | LW-24 | 1110.33 | 70.40 | 1039.93 | 1032.9 | 77.43 | 7.03 |
| 12/20/2025 | LW-24 | 1110.33 | 70.90 | 1039.43 | 1032.9 | 77.43 | 6.53 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2011 | LW-25 | 1118.95 | 42.1 | 1076.85 | 1046.3 | 72.65 | 30.55 |
| 2/24/2011 | LW-25 | 1118.95 | 42.1 | 1076.85 | 1046.3 | 72.65 | 30.55 |
| 3/4/2011 | LW-25 | 1118.95 | 42.5 | 1076.45 | 1046.3 | 72.65 | 30.15 |
| 4/29/2011 | LW-25 | 1118.95 | 43.1 | 1075.85 | 1046.3 | 72.65 | 29.55 |
| 5/17/2011 | LW-25 | 1118.95 | 43.5 | 1075.45 | 1046.3 | 72.65 | 29.15 |
| 6/7/2011 | LW-25 | 1118.95 | 43.3 | 1075.65 | 1046.3 | 72.65 | 29.35 |
| 7/6/2011 | LW-25 | 1118.95 | 43.1 | 1075.85 | 1046.3 | 72.65 | 29.55 |
| 8/9/2011 | LW-25 | 1118.95 | 42.7 | 1076.25 | 1046.3 | 72.65 | 29.95 |
| 9/22/2011 | LW-25 | 1118.95 | 43 | 1075.95 | 1046.3 | 72.65 | 29.65 |
| 10/4/2011 | LW-25 | 1118.95 | 43 | 1075.95 | 1046.3 | 72.65 | 29.65 |
| 12/9/2011 | LW-25 | 1118.95 | 43.1 | 1075.85 | 1046.3 | 72.65 | 29.55 |
| 1/18/2012 | LW-25 | 1118.95 | 42.8 | 1076.15 | 1046.3 | 72.65 | 29.85 |
| 2/27/2012 | LW-25 | 1118.95 | 43.2 | 1075.75 | 1046.3 | 72.65 | 29.45 |
| 3/13/2012 | LW-25 | 1118.95 | 42.9 | 1076.05 | 1046.3 | 72.65 | 29.75 |
| 4/17/2012 | LW-25 | 1118.95 | 42.9 | 1076.05 | 1046.3 | 72.65 | 29.75 |
| 5/16/2012 | LW-25 | 1118.95 | 43.3 | 1075.65 | 1046.3 | 72.65 | 29.35 |
| 6/26/2012 | LW-25 | 1118.95 | 45.2 | 1073.75 | 1046.3 | 72.65 | 27.45 |
| 7/18/2012 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |
| 9/19/2012 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |
| 10/24/2012 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |
| 11/21/2012 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |
| 12/11/2012 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/10/2013 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |
| 2/28/2013 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |
| 3/25/2013 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |
| 4/1/2013 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |
| 5/13/2013 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |
| 6/10/2013 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |
| 7/17/2013 | LW-25 | 1118.95 | Pump is Blocking | | 1046.3 | 72.65 | |
| 8/15/2013 | LW-25 | 1118.95 | 55.2 | 1063.75 | 1046.3 | 72.65 | 17.45 |
| 9/19/2013 | LW-25 | 1118.95 | 69.1 | 1049.85 | 1046.3 | 72.65 | 3.55 |
| 10/10/2013 | LW-25 | 1118.95 | 69.1 | 1049.85 | 1046.3 | 72.65 | 3.55 |
| 11/12/2013 | LW-25 | 1118.95 | 69.2 | 1049.75 | 1046.3 | 72.65 | 3.45 |
| 12/4/2013 | LW-25 | 1118.95 | 55.2 | 1063.75 | 1046.3 | 72.65 | 17.45 |
| 1/15/2014 | LW-25 | 1118.95 | 52.5 | 1066.45 | 1046.3 | 72.65 | 20.15 |
| 2/10/2014 | LW-25 | 1118.95 | 51.2 | 1067.75 | 1046.3 | 72.65 | 21.45 |
| 3/27/2014 | LW-25 | 1118.95 | 68.45 | 1050.5 | 1046.3 | 72.65 | 4.2 |
| 4/15/2014 | LW-25 | 1118.95 | 69 | 1049.95 | 1046.3 | 72.65 | 3.65 |
| 5/8/2014 | LW-25 | 1118.95 | 69 | 1049.95 | 1046.3 | 72.65 | 3.65 |
| 6/9/2014 | LW-25 | 1118.95 | 71.1 | 1047.85 | 1046.3 | 72.65 | 1.55 |
| 7/8/2014 | LW-25 | 1118.95 | 69.05 | 1049.9 | 1046.3 | 72.65 | 3.6 |
| 8/18/2014 | LW-25 | 1118.95 | 69.1 | 1049.85 | 1046.3 | 72.65 | 3.55 |
| 9/24/2014 | LW-25 | 1118.95 | 69.2 | 1049.75 | 1046.3 | 72.65 | 3.45 |
| 10/10/2014 | LW-25 | 1118.95 | 69.05 | 1049.9 | 1046.3 | 72.65 | 3.6 |
| 11/19/2014 | LW-25 | 1118.95 | 59.5 | 1059.45 | 1046.3 | 72.65 | 13.15 |
| 12/2/2014 | LW-25 | 1118.95 | 55.2 | 1063.75 | 1046.3 | 72.65 | 17.45 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/19/2015 | LW-25 | 1118.95 | 52.3 | 1066.65 | 1046.3 | 72.65 | 20.35 |
| 2/17/2015 | LW-25 | 1118.95 | 51.4 | 1067.55 | 1046.3 | 72.65 | 21.25 |
| 3/19/2015 | LW-25 | 1118.95 | 50.5 | 1068.45 | 1046.3 | 72.65 | 22.15 |
| 4/7/2015 | LW-25 | 1118.95 | 49.8 | 1069.15 | 1046.3 | 72.65 | 22.85 |
| 5/4/2015 | LW-25 | 1118.95 | 50.2 | 1068.75 | 1046.3 | 72.65 | 22.45 |
| 6/17/2015 | LW-25 | 1118.95 | 49.25 | 1069.7 | 1046.3 | 72.65 | 23.4 |
| 7/7/2015 | LW-25 | 1118.95 | 49.1 | 1069.85 | 1046.3 | 72.65 | 23.55 |
| 8/6/2015 | LW-25 | 1118.95 | 49.5 | 1069.45 | 1046.3 | 72.65 | 23.15 |
| 9/2/2015 | LW-25 | 1118.95 | 48.6 | 1070.35 | 1046.3 | 72.65 | 24.05 |
| 10/1/2015 | LW-25 | 1118.95 | 48.5 | 1070.45 | 1046.3 | 72.65 | 24.15 |
| 11/10/2015 | LW-25 | 1118.95 | 68.45 | 1050.5 | 1046.3 | 72.65 | 4.2 |
| 12/10/2015 | LW-25 | 1118.95 | 68.2 | 1050.75 | 1046.3 | 72.65 | 4.45 |
| 1/19/2016 | LW-25 | 1118.95 | 68.57 | 1050.38 | 1046.3 | 72.65 | 4.08 |
| 2/11/2016 | LW-25 | 1118.95 | 70.4 | 1048.55 | 1046.3 | 72.65 | 2.25 |
| 3/3/2016 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 4/18/2016 | LW-25 | 1118.95 | 68.55 | 1050.4 | 1046.3 | 72.65 | 4.1 |
| 5/10/2016 | LW-25 | 1118.95 | 69.9 | 1049.05 | 1046.3 | 72.65 | 2.75 |
| 6/21/2016 | LW-25 | 1118.95 | 68.55 | 1050.4 | 1046.3 | 72.65 | 4.1 |
| 7/6/2016 | LW-25 | 1118.95 | 68.55 | 1050.4 | 1046.3 | 72.65 | 4.1 |
| 8/15/2016 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 9/21/2016 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 10/7/2016 | LW-25 | 1118.95 | 68.65 | 1050.3 | 1046.3 | 72.65 | 4 |
| 11/9/2016 | LW-25 | 1118.95 | 68.5 | 1050.45 | 1046.3 | 72.65 | 4.15 |
| 12/8/2016 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/18/2017 | LW-25 | 1118.95 | 67.9 | 1051.05 | 1046.3 | 72.65 | 4.75 |
| 2/4/2017 | LW-25 | 1118.95 | 68.65 | 1050.3 | 1046.3 | 72.65 | 4 |
| 3/9/2017 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 4/17/2017 | LW-25 | 1118.95 | 68 | 1050.95 | 1046.3 | 72.65 | 4.65 |
| 5/17/2017 | LW-25 | 1118.95 | 68.5 | 1050.45 | 1046.3 | 72.65 | 4.15 |
| 6/6/2017 | LW-25 | 1118.95 | 68.8 | 1050.15 | 1046.3 | 72.65 | 3.85 |
| 7/12/2017 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 8/10/2017 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 9/14/2017 | LW-25 | 1118.95 | 69.25 | 1049.7 | 1046.3 | 72.65 | 3.4 |
| 10/4/2017 | LW-25 | 1118.95 | 68.8 | 1050.15 | 1046.3 | 72.65 | 3.85 |
| 11/1/2017 | LW-25 | 1118.95 | 57.9 | 1061.05 | 1046.3 | 72.65 | 14.75 |
| 12/13/2017 | LW-25 | 1118.95 | 53.85 | 1065.1 | 1046.3 | 72.65 | 18.8 |
| 1/12/2018 | LW-25 | 1118.95 | 68.8 | 1050.15 | 1046.3 | 72.65 | 3.85 |
| 2/8/2018 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 3/13/2018 | LW-25 | 1118.95 | 68.7 | 1050.25 | 1046.3 | 72.65 | 3.95 |
| 4/17/2018 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 5/18/2018 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 6/6/2018 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 7/11/2018 | LW-25 | 1118.95 | 68.85 | 1050.1 | 1046.3 | 72.65 | 3.8 |
| 8/7/2018 | LW-25 | 1118.95 | 68.65 | 1050.3 | 1046.3 | 72.65 | 4 |
| 9/10/2018 | LW-25 | 1118.95 | 69.51 | 1049.44 | 1046.3 | 72.65 | 3.14 |
| 10/11/2018 | LW-25 | 1118.95 | 68.62 | 1050.33 | 1046.3 | 72.65 | 4.03 |
| 11/14/2018 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 12/15/2018 | LW-25 | 1118.95 | 71.25 | 1047.7 | 1046.3 | 72.65 | 1.4 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/16/2019 | LW-25 | 1118.95 | 68.55 | 1050.4 | 1046.3 | 72.65 | 4.1 |
| 2/15/2019 | LW-25 | 1118.95 | 68.6 | 1050.35 | 1046.3 | 72.65 | 4.05 |
| 3/14/2019 | LW-25 | 1118.95 | 68.71 | 1050.24 | 1046.3 | 72.65 | 3.94 |
| 4/24/2019 | LW-25 | 1118.95 | 68.7 | 1050.25 | 1046.3 | 72.65 | 3.95 |
| 5/15/2019 | LW-25 | 1118.95 | 68.55 | 1050.4 | 1046.3 | 72.65 | 4.1 |
| 6/5/2019 | LW-25 | 1118.95 | 56.82 | 1062.13 | 1046.3 | 72.65 | 15.83 |
| 7/17/2019 | LW-25 | 1118.95 | 56.28 | 1062.67 | 1046.3 | 72.65 | 16.37 |
| 8/19/2019 | LW-25 | 1118.95 | 54.4 | 1064.55 | 1046.3 | 72.65 | 18.25 |
| 9/16/2019 | LW-25 | 1115.95 | 63.5 | 1052.45 | 1046.3 | 69.65 | 6.15 |
| 10/8/2019 | LW-25 | 1115.95 | 66.3 | 1049.65 | 1046.3 | 69.65 | 3.35 |
| 11/20/2019 | LW-25 | 1115.95 | 65 | 1050.95 | 1046.3 | 69.65 | 4.65 |
| 12/2/2019 | LW-25 | 1115.95 | 65.05 | 1050.9 | 1046.3 | 69.65 | 4.6 |
| 1/15/2020 | LW-25 | 1115.95 | 65.4 | 1050.55 | 1046.3 | 69.65 | 4.25 |
| 2/10/2020 | LW-25 | 1115.95 | 65.42 | 1050.53 | 1046.3 | 69.65 | 4.23 |
| 3/24/2020 | LW-25 | 1115.95 | 65.22 | 1050.73 | 1046.3 | 69.65 | 4.43 |
| 4/14/2020 | LW-25 | 1115.95 | 65.22 | 1050.73 | 1046.3 | 69.65 | 4.43 |
| 5/12/2020 | LW-25 | 1115.95 | 64.9 | 1051.05 | 1046.3 | 69.65 | 4.75 |
| 6/3/2020 | LW-25 | 1115.95 | 64.65 | 1051.3 | 1046.3 | 69.65 | 5 |
| 7/20/2020 | LW-25 | 1115.95 | 65.05 | 1050.9 | 1046.3 | 69.65 | 4.6 |
| 8/17/2020 | LW-25 | 1115.95 | 55.4 | 1060.55 | 1046.3 | 69.65 | 14.25 |
| 9/2/2020 | LW-25 | 1115.95 | 53.2 | 1062.75 | 1046.3 | 69.65 | 16.45 |
| 10/7/2020 | LW-25 | 1115.95 | 52.05 | 1063.9 | 1046.3 | 69.65 | 17.6 |
| 11/27/2020 | LW-25 | 1115.95 | 51.2 | 1064.75 | 1046.3 | 69.65 | 18.45 |
| 12/28/2020 | LW-25 | 1115.95 | 65.75 | 1050.2 | 1046.3 | 69.65 | 3.9 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/22/2021 | LW-25 | 1115.95 | 65.7 | 1050.25 | 1046.3 | 69.65 | 3.95 |
| 2/18/2021 | LW-25 | 1115.95 | 65.7 | 1050.25 | 1046.3 | 69.65 | 3.95 |
| 3/8/2021 | LW-25 | 1115.95 | 65.95 | 1050 | 1046.3 | 69.65 | 3.7 |
| 4/15/2021 | LW-25 | 1115.95 | 65.7 | 1050.25 | 1046.3 | 69.65 | 3.95 |
| 5/19/2021 | LW-25 | 1115.95 | 59.22 | 1056.73 | 1046.3 | 69.65 | 10.43 |
| 6/4/2021 | LW-25 | 1115.95 | 55.05 | 1060.9 | 1046.3 | 69.65 | 14.6 |
| 7/15/2021 | LW-25 | 1115.95 | 59.3 | 1056.65 | 1046.3 | 69.65 | 10.35 |
| 8/23/2021 | LW-25 | 1115.95 | 52.7 | 1063.25 | 1046.3 | 69.65 | 16.95 |
| 9/14/2021 | LW-25 | 1115.95 | 53.78 | 1062.17 | 1046.3 | 69.65 | 15.87 |
| 10/15/2021 | LW-25 | 1115.95 | 64.9 | 1051.05 | 1046.3 | 69.65 | 4.75 |
| 11/9/2021 | LW-25 | 1115.95 | 65.05 | 1050.9 | 1046.3 | 69.65 | 4.6 |
| 12/1/2021 | LW-25 | 1115.95 | 65.15 | 1050.8 | 1046.3 | 69.65 | 4.5 |
| 1/5/2022 | LW-25 | 1115.71 | 65.38 | 1050.33 | 1046.3 | 69.41 | 4.03 |
| 2/8/2022 | LW-25 | 1115.71 | 65.55 | 1050.16 | 1046.3 | 69.41 | 3.86 |
| 3/28/2022 | LW-25 | 1115.71 | 65.52 | 1050.19 | 1046.3 | 69.41 | 3.89 |
| 4/20/2022 | LW-25 | 1115.71 | 65.05 | 1050.66 | 1046.3 | 69.41 | 4.36 |
| 5/9/2022 | LW-25 | 1115.71 | 65.05 | 1050.66 | 1046.3 | 69.41 | 4.36 |
| 6/20/2022 | LW-25 | 1115.71 | 65.45 | 1050.26 | 1046.3 | 69.41 | 3.96 |
| 7/1/2022 | LW-25 | 1115.71 | 65.5 | 1050.21 | 1046.3 | 69.41 | 3.91 |
| 8/4/2022 | LW-25 | 1115.71 | 56.15 | 1059.56 | 1046.3 | 69.41 | 13.26 |
| 9/13/2022 | LW-25 | 1115.71 | 52.7 | 1063.01 | 1046.3 | 69.41 | 16.71 |
| 10/11/2022 | LW-25 | 1115.71 | 52.43 | 1063.28 | 1046.3 | 69.41 | 16.98 |
| 11/10/2022 | LW-25 | 1115.71 | 51.8 | 1063.91 | 1046.3 | 69.41 | 17.61 |
| 12/1/2022 | LW-25 | 1115.71 | 51.55 | 1064.16 | 1046.3 | 69.41 | 17.86 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness | |
|---|---|---|---|---|---|---|---|---|
| 1/24/2023 | LW-25 | 1115.71 | 50.9 | 1064.81 | 1046.3 | 69.41 | 18.51 | |
| 2/6/2023 | LW-25 | 1115.71 | 50.7 | 1065.01 | 1046.3 | 69.41 | 18.71 | |
| 3/23/2023 | LW-25 | 1115.71 | 50.3 | 1065.41 | 1046.3 | 69.41 | 19.11 | |
| 4/12/2023 | LW-25 | 1115.71 | 50.2 | 1065.51 | 1046.3 | 69.41 | 19.21 | |
| 5/9/2023 | LW-25 | 1115.71 | 49.96 | 1065.75 | 1046.3 | 69.41 | 19.45 | |
| 6/7/2023 | LW-25 | 1115.71 | 49.99 | 1065.72 | 1046.3 | 69.41 | 19.42 | Replaced Pump 6/2023 |
| 7/12/2023 | LW-25 | 1115.71 | 62.2 | 1053.51 | 1046.3 | 69.41 | 7.21 | |
| 8/7/2023 | LW-25 | 1115.71 | 63.45 | 1052.26 | 1046.3 | 69.41 | 5.96 | |
| 9/5/2023 | LW-25 | 1115.71 | 64.1 | 1051.61 | 1046.3 | 69.41 | 5.31 | |
| 10/20/2023 | LW-25 | 1115.71 | 64.4 | 1051.31 | 1046.3 | 69.41 | 5.01 | |
| 11/13/2023 | LW-25 | 1115.71 | 64.25 | 1051.46 | 1046.3 | 69.41 | 5.16 | |
| 12/14/2023 | LW-25 | 1115.71 | 64.34 | 1051.37 | 1046.3 | 69.41 | 5.07 | |
| 1/8/2024 | LW-25 | 1115.71 | 64.3 | 1051.41 | 1046.3 | 69.41 | 5.11 | |
| 2/8/2024 | LW-25 | 1115.71 | 64.1 | 1051.61 | 1046.3 | 69.41 | 5.31 | |
| 3/6/2024 | LW-25 | 1115.71 | 64.1 | 1051.61 | 1046.3 | 69.41 | 5.31 | |
| 4/1/2024 | LW-25 | 1115.71 | 63.85 | 1051.86 | 1046.3 | 69.41 | 5.56 | |
| 5/22/2024 | LW-25 | 1115.71 | 62.25 | 1053.46 | 1046.3 | 69.41 | 7.16 | |
| 6/3/2024 | LW-25 | 1115.71 | 62.28 | 1053.43 | 1046.3 | 69.41 | 7.13 | |
| 7/9/2024 | LW-25 | 1115.71 | 61 | 1054.71 | 1046.3 | 69.41 | 8.41 | |
| 8/6/2024 | LW-25 | 1115.71 | 60.9 | 1054.81 | 1046.3 | 69.41 | 8.51 | |
| 9/18/2024 | LW-25 | 1115.71 | 60.2 | 1055.51 | 1046.3 | 69.41 | 9.21 | |
| 10/25/2024 | LW-25 | 1115.71 | 60.65 | 1055.06 | 1046.3 | 69.41 | 8.76 | |
| 11/20/2024 | LW-25 | 1115.71 | 64.18 | 1051.53 | 1046.3 | 69.41 | 5.23 | |
| 12/9/2024 | LW-25 | 1115.71 | 60.7 | 1055.01 | 1046.3 | 69.41 | 8.71 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/15/2025 | LW-25 | 1115.71 | 63.86 | 1051.85 | 1046.3 | 69.41 | 5.55 |
| 2/21/2025 | LW-25 | 1115.71 | 60.7 | 1055.01 | 1046.3 | 69.41 | 8.71 |
| 3/11/2025 | LW-25 | 1115.71 | 60.47 | 1055.24 | 1046.3 | 69.41 | 8.94 |
| 4/7/2025 | LW-25 | 1115.71 | 60.46 | 1055.25 | 1046.3 | 69.41 | 8.95 |
| 5/21/2025 | LW-25 | 1115.71 | 64.1 | 1051.61 | 1046.3 | 69.41 | 5.31 |
| 6/2/2025 | LW-25 | 1115.71 | 60.1 | 1055.61 | 1046.3 | 69.41 | 9.31 |
| 7/8/2025 | LW-25 | 1115.71 | 59.56 | 1056.15 | 1046.3 | 69.41 | 9.85 |
| 8/6/2025 | LW-25 | 1115.71 | 58.4 | 1057.31 | 1046.3 | 69.41 | 11.01 |
| 9/4/2025 | LW-25 | 1115.71 | 58.1 | 1057.61 | 1046.3 | 69.41 | 11.31 |
| 10/17/2025 | LW-25 | 1115.71 | 58.46 | 1057.25 | 1046.3 | 69.41 | 10.95 |
| 11/11/2025 | LW-25 | 1115.71 | 58.75 | 1056.96 | 1046.3 | 69.41 | 10.66 |
| 12/20/2025 | LW-25 | 1115.71 | 58.92 | 1056.79 | 1046.3 | 69.41 | 10.49 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 11/10/2015 | LW-26 | 1108.21 | 51.6 | 1056.61 | 1042.3 | 65.91 | 14.31 |
| 12/10/2015 | LW-26 | 1108.21 | 50.2 | 1058.01 | 1042.3 | 65.91 | 15.71 |
| 1/19/2016 | LW-26 | 1108.21 | 54.4 | 1053.81 | 1042.3 | 65.91 | 11.51 |
| 2/11/2016 | LW-26 | 1108.21 | 54.4 | 1053.81 | 1042.3 | 65.91 | 11.51 |
| 3/3/2016 | LW-26 | 1108.21 | 54.17 | 1054.04 | 1042.3 | 65.91 | 11.74 |
| 4/18/2016 | LW-26 | 1108.21 | 53.5 | 1054.71 | 1042.3 | 65.91 | 12.41 |
| 5/10/2016 | LW-26 | 1108.21 | 53.3 | 1054.91 | 1042.3 | 65.91 | 12.61 |
| 6/21/2016 | LW-26 | 1108.21 | 54 | 1054.21 | 1042.3 | 65.91 | 11.91 |
| 7/6/2016 | LW-26 | 1108.21 | 54.1 | 1054.11 | 1042.3 | 65.91 | 11.81 |
| 8/15/2016 | LW-26 | 1108.21 | 54 | 1054.21 | 1042.3 | 65.91 | 11.91 |
| 9/21/2016 | LW-26 | 1108.21 | 54.2 | 1054.01 | 1042.3 | 65.91 | 11.71 |
| 10/7/2016 | LW-26 | 1108.21 | 54.05 | 1054.16 | 1042.3 | 65.91 | 11.86 |
| 11/9/2016 | LW-26 | 1108.21 | 54.8 | 1053.41 | 1042.3 | 65.91 | 11.11 |
| 12/8/2016 | LW-26 | 1108.21 | 54.8 | 1053.41 | 1042.3 | 65.91 | 11.11 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/18/2017 | LW-26 | 1108.21 | 54.5 | 1053.71 | 1042.3 | 65.91 | 11.41 |
| 2/4/2017 | LW-26 | 1108.21 | 54.6 | 1053.61 | 1042.3 | 65.91 | 11.31 |
| 3/9/2017 | LW-26 | 1108.21 | 54.55 | 1053.66 | 1042.3 | 65.91 | 11.36 |
| 4/17/2017 | LW-26 | 1108.21 | 53.9 | 1054.31 | 1042.3 | 65.91 | 12.01 |
| 5/17/2017 | LW-26 | 1108.21 | 54.6 | 1053.61 | 1042.3 | 65.91 | 11.31 |
| 6/6/2017 | LW-26 | 1108.21 | 54.5 | 1053.71 | 1042.3 | 65.91 | 11.41 |
| 7/12/2017 | LW-26 | 1108.21 | 54.72 | 1053.49 | 1042.3 | 65.91 | 11.19 |
| 8/10/2017 | LW-26 | 1108.21 | 54.55 | 1053.66 | 1042.3 | 65.91 | 11.36 |
| 9/14/2017 | LW-26 | 1108.21 | 54.65 | 1053.56 | 1042.3 | 65.91 | 11.26 |
| 10/4/2017 | LW-26 | 1108.21 | 54.5 | 1053.71 | 1042.3 | 65.91 | 11.41 |
| 11/1/2017 | LW-26 | 1108.21 | 54.6 | 1053.61 | 1042.3 | 65.91 | 11.31 |
| 12/13/2017 | LW-26 | 1108.21 | 54.3 | 1053.91 | 1042.3 | 65.91 | 11.61 |
| 1/12/2018 | LW-26 | 1108.21 | 54.15 | 1054.06 | 1042.3 | 65.91 | 11.76 |
| 2/8/2018 | LW-26 | 1108.21 | 53.38 | 1054.83 | 1042.3 | 65.91 | 12.53 |
| 3/13/2018 | LW-26 | 1108.21 | 54.3 | 1053.91 | 1042.3 | 65.91 | 11.61 |
| 4/17/2018 | LW-26 | 1108.21 | 54.47 | 1053.74 | 1042.3 | 65.91 | 11.44 |
| 5/18/2018 | LW-26 | 1108.21 | 54.65 | 1053.56 | 1042.3 | 65.91 | 11.26 |
| 6/6/2018 | LW-26 | 1108.21 | 54.2 | 1054.01 | 1042.3 | 65.91 | 11.71 |
| 7/11/2018 | LW-26 | 1108.21 | 54.66 | 1053.55 | 1042.3 | 65.91 | 11.25 |
| 8/7/2018 | LW-26 | 1108.21 | 53.95 | 1054.26 | 1042.3 | 65.91 | 11.96 |
| 9/10/2018 | LW-26 | 1108.21 | 54.64 | 1053.57 | 1042.3 | 65.91 | 11.27 |
| 10/11/2018 | LW-26 | 1108.21 | 54.9 | 1053.31 | 1042.3 | 65.91 | 11.01 |
| 11/14/2018 | LW-26 | 1108.21 | 54.66 | 1053.55 | 1042.3 | 65.91 | 11.25 |
| 12/15/2018 | LW-26 | 1108.21 | 54.46 | 1053.75 | 1042.3 | 65.91 | 11.45 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/16/2019 | LW-26 | 1108.21 | 57.9 | 1050.31 | 1042.3 | 65.91 | 8.01 |
| 2/15/2019 | LW-26 | 1108.21 | 57.57 | 1050.64 | 1042.3 | 65.91 | 8.34 |
| 3/14/2019 | LW-26 | 1108.21 | 56.9 | 1051.31 | 1042.3 | 65.91 | 9.01 |
| 4/24/2019 | LW-26 | 1108.21 | 56 | 1052.21 | 1042.3 | 65.91 | 9.91 |
| 5/15/2019 | LW-26 | 1108.21 | 56.2 | 1052.01 | 1042.3 | 65.91 | 9.71 |
| 6/5/2019 | LW-26 | 1108.21 | 55.35 | 1052.86 | 1042.3 | 65.91 | 10.56 |
| 7/17/2019 | LW-26 | 1108.21 | 54.65 | 1053.56 | 1042.3 | 65.91 | 11.26 |
| 8/19/2019 | LW-26 | 1108.21 | 54.8 | 1053.41 | 1042.3 | 65.91 | 11.11 |
| 9/16/2019 | LW-26 | 1108.21 | 54.51 | 1053.7 | 1042.3 | 65.91 | 11.4 |
| 10/8/2019 | LW-26 | 1108.21 | 54.75 | 1053.46 | 1042.3 | 65.91 | 11.16 |
| 11/20/2019 | LW-26 | 1108.21 | 54.7 | 1053.51 | 1042.3 | 65.91 | 11.21 |
| 12/2/2019 | LW-26 | 1108.21 | 54.7 | 1053.51 | 1042.3 | 65.91 | 11.21 |
| 1/15/2020 | LW-26 | 1108.21 | 54.8 | 1053.41 | 1042.3 | 65.91 | 11.11 |
| 2/10/2020 | LW-26 | 1108.21 | 54.8 | 1053.41 | 1042.3 | 65.91 | 11.11 |
| 3/24/2020 | LW-26 | 1108.21 | 54.9 | 1053.31 | 1042.3 | 65.91 | 11.01 |
| 4/14/2020 | LW-26 | 1108.21 | 54.7 | 1053.51 | 1042.3 | 65.91 | 11.21 |
| 5/12/2020 | LW-26 | 1108.21 | 54.8 | 1053.41 | 1042.3 | 65.91 | 11.11 |
| 6/3/2020 | LW-26 | 1108.21 | 53.9 | 1054.31 | 1042.3 | 65.91 | 12.01 |
| 7/20/2020 | LW-26 | 1108.21 | 54.71 | 1053.5 | 1042.3 | 65.91 | 11.2 |
| 8/17/2020 | LW-26 | 1108.21 | 54.55 | 1053.66 | 1042.3 | 65.91 | 11.36 |
| 9/2/2020 | LW-26 | 1108.21 | 54.55 | 1053.66 | 1042.3 | 65.91 | 11.36 |
| 10/7/2020 | LW-26 | 1108.21 | 53.95 | 1054.26 | 1042.3 | 65.91 | 11.96 |
| 11/27/2020 | LW-26 | 1108.21 | 53.9 | 1054.31 | 1042.3 | 65.91 | 12.01 |
| 12/28/2020 | LW-26 | 1108.21 | 54.45 | 1053.76 | 1042.3 | 65.91 | 11.46 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/22/2021 | LW-26 | 1108.21 | 54.5 | 1053.71 | 1042.3 | 65.91 | 11.41 |
| 2/18/2021 | LW-26 | 1108.21 | 54.47 | 1053.74 | 1042.3 | 65.91 | 11.44 |
| 3/8/2021 | LW-26 | 1108.21 | 54.3 | 1053.91 | 1042.3 | 65.91 | 11.61 |
| 4/15/2021 | LW-26 | 1108.21 | 52.85 | 1055.36 | 1042.3 | 65.91 | 13.06 |
| 5/19/2021 | LW-26 | 1108.21 | 52.06 | 1056.15 | 1042.3 | 65.91 | 13.85 |
| 6/4/2021 | LW-26 | 1108.21 | 54.3 | 1053.91 | 1042.3 | 65.91 | 11.61 |
| 7/15/2021 | LW-26 | 1108.21 | 50.65 | 1057.56 | 1042.3 | 65.91 | 15.26 |
| 8/23/2021 | LW-26 | 1108.21 | 52.65 | 1055.56 | 1042.3 | 65.91 | 13.26 |
| 9/14/2021 | LW-26 | 1108.21 | 53.01 | 1055.2 | 1042.3 | 65.91 | 12.9 |
| 10/15/2021 | LW-26 | 1108.21 | 52.6 | 1055.61 | 1042.3 | 65.91 | 13.31 |
| 11/9/2021 | LW-26 | 1108.21 | 52 | 1056.21 | 1042.3 | 65.91 | 13.91 |
| 12/1/2021 | LW-26 | 1108.21 | 50.75 | 1057.46 | 1042.3 | 65.91 | 15.16 |
| 1/5/2022 | LW-26 | 1107.98 | 54.4 | 1053.58 | 1042.3 | 65.68 | 11.28 |
| 2/8/2022 | LW-26 | 1107.98 | 52.33 | 1055.65 | 1042.3 | 65.68 | 13.35 |
| 3/28/2022 | LW-26 | 1107.98 | 50.1 | 1057.88 | 1042.3 | 65.68 | 15.58 |
| 4/20/2022 | LW-26 | 1107.98 | 53.1 | 1054.88 | 1042.3 | 65.68 | 12.58 |
| 5/9/2022 | LW-26 | 1107.98 | 48.5 | 1059.48 | 1042.3 | 65.68 | 17.18 |
| 6/20/2022 | LW-26 | 1107.98 | 50.5 | 1057.48 | 1042.3 | 65.68 | 15.18 |
| 7/1/2022 | LW-26 | 1107.98 | 51.27 | 1056.71 | 1042.3 | 65.68 | 14.41 |
| 8/4/2022 | LW-26 | 1107.98 | 52.05 | 1055.93 | 1042.3 | 65.68 | 13.63 |
| 9/13/2022 | LW-26 | 1107.98 | 53.53 | 1054.45 | 1042.3 | 65.68 | 12.15 |
| 10/11/2022 | LW-26 | 1107.98 | 53.87 | 1054.11 | 1042.3 | 65.68 | 11.81 |
| 11/10/2022 | LW-26 | 1107.98 | 53.73 | 1054.25 | 1042.3 | 65.68 | 11.95 |
| 12/1/2022 | LW-26 | 1107.98 | 52.41 | 1055.57 | 1042.3 | 65.68 | 13.27 |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness | |
|---|---|---|---|---|---|---|---|---|
| 1/24/2023 | LW-26 | 1107.98 | 49.57 | 1058.41 | 1042.3 | 65.68 | 16.11 | |
| 2/6/2023 | LW-26 | 1107.98 | 47.45 | 1060.53 | 1042.3 | 65.68 | 18.23 | |
| 3/23/2023 | LW-26 | 1107.98 | 48 | 1059.98 | 1042.3 | 65.68 | 17.68 | |
| 4/12/2023 | LW-26 | 1107.98 | 49.46 | 1058.52 | 1042.3 | 65.68 | 16.22 | |
| 5/9/2023 | LW-26 | 1107.98 | 49.95 | 1058.03 | 1042.3 | 65.68 | 15.73 | |
| 6/7/2023 | LW-26 | 1107.98 | 54.95 | 1053.03 | 1042.3 | 65.68 | 10.73 | Replaced Pump 6/2023 |
| 7/12/2023 | LW-26 | 1107.98 | 51.7 | 1056.28 | 1042.3 | 65.68 | 13.98 | bad configuration file |
| 8/7/2023 | LW-26 | 1107.98 | 52.56 | 1055.42 | 1042.3 | 65.68 | 13.12 | |
| 9/5/2023 | LW-26 | 1107.98 | 52.44 | 1055.54 | 1042.3 | 65.68 | 13.24 | |
| 10/20/2023 | LW-26 | 1107.98 | 51.45 | 1056.53 | 1042.3 | 65.68 | 14.23 | |
| 11/13/2023 | LW-26 | 1107.98 | 51.55 | 1056.43 | 1042.3 | 65.68 | 14.13 | |
| 12/14/2023 | LW-26 | 1107.98 | 51.95 | 1056.03 | 1042.3 | 65.68 | 13.73 | New Configuration file |
| 1/8/2024 | LW-26 | 1107.98 | 54.48 | 1053.5 | 1042.3 | 65.68 | 11.2 | installed 12/14/23 |
| 2/8/2024 | LW-26 | 1107.98 | 57.65 | 1050.33 | 1042.3 | 65.68 | 8.03 | |
| 3/6/2024 | LW-26 | 1107.98 | 57.55 | 1050.43 | 1042.3 | 65.68 | 8.13 | |
| 4/1/2024 | LW-26 | 1107.98 | 57.4 | 1050.58 | 1042.3 | 65.68 | 8.28 | |
| 5/22/2024 | LW-26 | 1107.98 | 54.65 | 1053.33 | 1042.3 | 65.68 | 11.03 | |
| 6/3/2024 | LW-26 | 1107.98 | 57.55 | 1050.43 | 1042.3 | 65.68 | 8.13 | |
| 7/9/2024 | LW-26 | 1107.98 | 57.26 | 1050.72 | 1042.3 | 65.68 | 8.42 | |
| 8/6/2024 | LW-26 | 1107.98 | 57.49 | 1050.49 | 1042.3 | 65.68 | 8.19 | |
| 9/18/2024 | LW-26 | 1107.98 | 55.92 | 1052.06 | 1042.3 | 65.68 | 9.76 | |
| 10/25/2024 | LW-26 | 1107.98 | 55.9 | 1052.08 | 1042.3 | 65.68 | 9.78 | |
| 11/20/2024 | LW-26 | 1107.98 | 57.34 | 1050.64 | 1042.3 | 65.68 | 8.34 | |
| 12/9/2024 | LW-26 | 1107.98 | 57.33 | 1050.65 | 1042.3 | 65.68 | 8.35 | |

**Table 17**
**Leachte Elevation and Thickness Data - Closed Landfilling Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/15/2025 | LW-26 | 1107.98 | 57.15 | 1050.83 | 1042.3 | 65.68 | 8.53 |
| 2/21/2025 | LW-26 | 1107.98 | 57.3 | 1050.68 | 1042.3 | 65.68 | 8.38 |
| 3/11/2025 | LW-26 | 1107.98 | 57.3 | 1050.68 | 1042.3 | 65.68 | 8.38 |
| 4/7/2025 | LW-26 | 1107.98 | 57.31 | 1050.67 | 1042.3 | 65.68 | 8.37 |
| 5/21/2025 | LW-26 | 1107.98 | 57.38 | 1050.6 | 1042.3 | 65.68 | 8.3 |
| 6/2/2025 | LW-26 | 1107.98 | 57.55 | 1050.43 | 1042.3 | 65.68 | 8.13 |
| 7/8/2025 | LW-26 | 1107.98 | 57.5 | 1050.48 | 1042.3 | 65.68 | 8.18 |
| 8/6/2025 | LW-26 | 1107.98 | 57.55 | 1050.43 | 1042.3 | 65.68 | 8.13 |
| 9/4/2025 | LW-26 | 1107.98 | 57.48 | 1050.5 | 1042.3 | 65.68 | 8.2 |
| 10/17/2025 | LW-26 | 1107.98 | 57.3 | 1050.68 | 1042.3 | 65.68 | 8.38 |
| 11/11/2025 | LW-26 | 1107.98 | 57.37 | 1050.61 | 1042.3 | 65.68 | 8.31 |
| 12/20/2025 | LW-26 | 1107.98 | 57.41 | 1050.57 | 1042.3 | 65.68 | 8.27 |

**Table 17**
**Leachte Elevation and Thickness Data - Subtitle D Expansion Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/8/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 2/8/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 3/6/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 4/1/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 5/22/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 6/3/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 7/9/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 8/6/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 9/18/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 10/25/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 11/20/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 12/9/2024 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 1/15/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 2/21/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 3/11/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 4/7/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 5/21/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 6/2/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 7/8/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 8/6/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 9/4/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 10/17/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 11/11/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |
| 12/20/2025 | LPZ-A | 1044.53 | 9.0 | 1035.53 | 1035.53 | 9.0 | 0.0 |

**Table 17**
**Leachte Elevation and Thickness Data - Subtitle D Expansion Areas**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**IDNR Permit No. 61-SDP-01-78P**

| Date | Leachate Well | Top PVC Elevation | Depth to Liquid | Elevation Liquid | Elevation SLF Base | Depth Well | Leachate Thickness |
|---|---|---|---|---|---|---|---|
| 1/8/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 2/8/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 3/6/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 4/1/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 5/22/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 6/3/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 7/9/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 8/6/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 9/18/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 10/25/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 11/20/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 12/9/2024 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 1/15/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 2/21/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 3/11/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 4/7/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 5/21/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 6/2/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 7/8/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 8/6/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 9/4/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 10/17/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 11/11/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |
| 12/20/2025 | LPZ-B | 1042.43 | 8.8 | 1033.63 | 1033.63 | 8.8 | 0 |

Table 18 – Gas Monitoring Summary

**Table 18**
**Gas Monitoring**
**Annual Water Quality Report**
**SCILA Sanitary Landfill**
**Permit No. 61-SDP-01-78P**

## 2025

| Monitoring Point | 3/10/2025 % LEL | 6/2/2025 % LEL | 9/4/2025 % LEL | 12/20/2025 % LEL |
|---|---|---|---|---|
| GP-2 | 0 | 0 | 0 | 0 |
| GP-3 | 0 | 0 | 0 | 0 |
| GP-4 | 0 | 0 | 0 | 0 |
| GP-5 | 0 | 0 | 0 | 0 |
| GP-6 | 0 | 0 | 0 | 0 |
| GP-7 | 0 | 0 | 0 | 0 |
| GP-8 | 0 | 0 | 0 | 0 |
| Leachate Building | 0 | 0 | 0 | 0 |
| GU #1 (Lagoon 1) | 0 | 0 | 0 | 0 |
| GU-#2 Lagoon 2) | 0 | 0 | 0 | 0 |
| GU-A | 0 | 0 | 0 | 0 |
| GU-B | 0 | 0 | 0 | 0 |
| Office (2520 Hwy 92) | 0 | 0 | 0 | 0 |
| Shop (2520 Hwy 92) | 0 | 0 | 0 | 0 |
| **Remedial Performance Monitoring Point** | **3/10/2025 % LEL** | **6/2/2025 % LEL** | **9/4/2025 % LEL** | **12/20/2025 % LEL** |
| TILE 1 - Cleanout South End | 0 | **3.8** | **6.6** | 0 |
| TILE 2 - Cleanout East End | **36.5** | 0 | **35** | 0 |
| TILE 1 - Discharge at Tile 1 | **O.L.** | **92** | **O.L.** | 0 |
| TILE 2 - Discharge at Tile 2 | 0 | 0 | 0 | 0 |
| **Corrective Action Plan** | **3/10/2025 % LEL** | **6/2/2025 % LEL** | **9/4/2025 % LEL** | **12/20/2025 % LEL** |
| Vent 1 | 0 | 0 | 0 | **2.8** |
| Vent 2 | **67.3** | **85.0** | **O.L.** | **88.5** |
| Vent 3 | **22.8** | 0 | **2.6** | 0 |
| Vent 4 | **53.8** | **42.8** | **44.6** | **40.2** |
| Vent 5 | **O.L.** | **31.4** | **64.5** | **34.6** |
| Vent 6 | **O.L.** | **68.0** | **O.L.** | **29.9** |

O.L. = Over the Limit of the meter (>100 % LEL or >5% methane)
DNE = Did not exist

# Appendix A

# Listing of Existing Site Monitoring Wells

| Point | Status | Groundwater System | System # | Condition |
|---|---|---|---|---|
| GU-1 | HMSP | Till(fill)/bedrock | #1 | Dry |
| GU-2 | HMSP | Till(fill)/bedrock | #1 | |
| GU-A | HMSP | Till(fill)/bedrock | #1 | |
| GU-B | HMSP | Till(fill)/bedrock | #1 | |
| MW-1R | Water level | Till(fill)/bedrock | #1 | Dry |
| MW-4B | Water level | Middle Creek | #2 | |
| MW-6A | HMSP | Bethany Falls | #1 | |
| MW-6B | Water level | Bethany Falls | #1 | |
| MW-6C | Water level | Middle Creek | #2 | Dry |
| MW-7A | Water level | Bethany Falls | #1 | Dry |
| MW-7B | HMSP | Deep shale | #4 | |
| MW-7C | Water level | Middle Creek | #2 | Dry |
| MW-8A | Water level | Till(fill)/bedrock | #1 | Dry |
| MW-8B | HMSP | Till(fill)/bedrock | #1 | |
| MW-9AR | HMSP | Till(fill)/bedrock | #1 | |
| MW-11A | Water level | Middle Creek | #2 | Dry |
| MW-11B | Water level | Hertha | #3 | Dry |
| MW-11C | HMSP | Exline | #4 | |
| MW-13 | Water level | Hertha | #3 | |
| MW-14A | Water level | Till(fill)/bedrock | #1 | Dry |
| MW-14B | Water level | Middle Creek | #2 | |
| MW-14C | Water level | Hertha | #3 | |
| MW-14D | HMSP | Exline | #4 | |
| MW-15R | HMSP | Till(fill)/bedrock | #1 | |
| MW-17 | Water level | Exline | #4 | |
| MW-17R | HMSP | Exline | #4 | |
| MW-18 | HMSP | Till(fill)/bedrock | #1 | |
| MW-19 | HMSP | Hertha | #3 | |
| MW-21 | HMSP | Till(fill)/bedrock | #1 | |
| MW-22B | Water level | Hertha | #3 | |
| MW-23 | Water level | Bethany Falls | #1 | Dry |
| MW-23B | Water level | Hertha | #3 | |
| MW-24B | Water level | Middle Creek | #2 | |
| MW-24C | Water level | Hertha | #3 | |
| MW-24D | Water level | Exline | #4 | |
| MW-27 | Water level | Till(fill)/bedrock | #1 | Dry |
| MW-28 | HMSP | Till(fill)/Exline bedrock | #4 | |
| MW-30 | Water level | Till(fill)/bedrock | #1 | Dry |
| MW-31 | HMSP | Till(fill)/bedrock | #1 | |
| MW-32 | HMSP | Till(fill)/bedrock | #1 | |
| MW-33 | Water level | Hertha | #3 | |
| SW-1 | HMSP | Surface water | Surface water | |
| SW-2B | HMSP | Surface water | Surface water | |
| SW-102 | PECS | PECS | PECS | |
| Tile 1 | HMSP | Collector Trench Outflow | #1 | |
| Tile 2 | HMSP | Collector Trench Outflow | #1 | |
| MW-34A | Water level | Till(fill)/bedrock | #1 | |
| MW-34B | Water level | Middle Creek | #2 | |
| MW-34C | Water level | Hertha | #3 | |
| MW-35B | Water level | Middle Creek | #2 | |
| MW-36A | Water level | Till(fill)/bedrock | #1 | |
| MW-36B | Water level | Middle Creek | #2 | |
| MW-37A | Water level | Till(fill)/bedrock | #1 | |
| MW-37B | Water level | Middle Creek | #2 | |
| MW-37C | Water level | Hertha | #3 | |
| MW-37D | HMSP | Exline | #4 | Dry |
| MW-38A | Water level | Till(fill)/bedrock | #1 | |
| MW-38B | Water level | Middle Creek | #2 | |
| MW-39A | Water level | Till(fill)/bedrock | #1 | |
| MW-39B | Water level | Middle Creek | #2 | |
| MW-39C | Water level | Hertha | #3 | |
| MW-39D | HMSP | Exline | #4 | |
| MW-40A | Water level | Till(fill)/bedrock | #1 | |
| MW-40B | Water level | Middle Creek | #2 | |

| | | | | |
|---|---|---|---|---|
| MW-41A | Water level | Till(fill)/bedrock | #1 | Dry |
| MW-41C | Water level | Hertha | #3 | |
| MW-41D | HMSP | Exline | #4 | |
| MW-42C | Water level | Hertha | #3 | |
| MW-42D | HMSP | Exline | #4 | |
| MW-43 | Water level | Deep shale | #4 | Dry |
| MW-44 | HMSP | Till(fill)/bedrock | #1 | |
| MW-45A | HMSP | Ladore Shale | #1 | |
| MW-45D | HMSP | Exline | #4 | |
| | | | | |

# Appendix B

# Field Sampling Forms

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-1R

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1044.51 |
| Well Depth | 39.50 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1044.51 |
| Well Depth | 39.50 |
| Top Screen | 1011.04 |
| Bottom Screen | 1005.01 |
| Bottom Well | 1005.01 |
| Sampler Length (ft) | |
| Sampler Volume (mL) | 0.00 |
| Feet cordage | 0.00 |
| Top sample | 1044.51 |
| Bottom sample | 1044.51 |
| Turbidity(NTU) | |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | | 39.75 | 1004.76 | 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 | 0 | | |
| Appendix I | Metals | 150 | 0 | | |
| Appendix I | VOC | 240 | 0 | | |
| Full Appendix II | 10 more containers | 5620 | | 0 | |
| TSS | TSS | 1000 | | 0 | |
| Supplemental | | | | 0 | |
| Supplemental | | | | 0 | |
| Total | | | 0 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1044.51 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 39.50 | Before purging | **9/2/2020** | | **39.75** | 1004.76 | | 0.0 | |
| | | After purging | | | | 1044.51 | | | |
| | | Top of Screen 2014 | | | | 1011.04 | | | |
| | | | | | | -6.28 | feet above (+) or below (-) top screen | | |
| | | Bottom of Well 2014 | | | | 1005.01 | | | |
| | | Bottom of Well | 9/2/2020 | | 39.50 | 1005.01 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1044.51 | | | |
| | | Recovery | | | | 1044.51 | | | |
| | | Recovery | | | | 1044.51 | | | |
| | | Recovery | | | | 1044.51 | | | |
| | | Recovery | | | | 1044.51 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-34A

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1072.74 |
| Well Depth | 38.20 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1072.74 |
| Well Depth | 38.20 |
| Top Screen | 1044.62 |
| Bottom Screen | 1034.62 |
| Bottom Well | 1034.54 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 32.00 |
| Top sample | 1040.74 |
| Bottom sample | 1036.74 |
| Turbidity(NTU) | 4.40 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 12:54 | 21.6 | 1051.14 | Dry |

**ANALYTES, CONTAINERS, AND VOLUMES**

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

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1072.74 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 38.20 | Before purging | 3/10/2025 | 12:54 | 21.60 | 1051.14 | | 0.0 | |
| | | After purging | | | | 1072.74 | | | |
| | | Top of Screen 2014 | | | | 1044.62 | | | |
| | | | | | | 6.52 | feet above (+) or below (-) top screen | | |
| | | Bottom of Well 2014 | | | | 1034.62 | | | |
| | | Bottom of Well | 3/10/2025 | | 38.20 | 1034.54 | | | |
| | | | | | | -0.08 | feet sedimentation | | |
| | | Before Sampling | | | | 1072.74 | | | |
| | | Recovery | | | | 1072.74 | | | |
| | | Recovery | | | | 1072.74 | | | |
| | | Recovery | | | | 1072.74 | | | |
| | | Recovery | | | | 1072.74 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-6A

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1055.48 |
| Well Depth | 15.43 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1055.48 |
| Well Depth | 15.43 |
| Top Screen | 1043.05 |
| Bottom Screen | 1040.05 |
| Bottom Well | 1040.05 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 11.50 |
| Top sample | 1043.98 |
| Bottom sample | 1039.98 |
| Turbidity(NTU) | 2.43 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 14:31 | 11.7 | 1043.78 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

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

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1055.48 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 15.43 | Before purging | 3/10/2025 | 14:31 | 11.70 | 1043.78 | 1 | 1.6 | dry |
| Capped | YES | After purging | | | | 1055.48 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1043.05 | | | |
| Litter | NO | | | | | -11.70 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1040.05 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 15.75 | 1039.73 | | | |
| | | | | | | -0.32 | feet sedimentation | | |
| | | Before Sampling | | | | 1055.48 | App I | | |
| | | Before Sampling | 3/10/2025 | 14:40 | 15.40 | 1040.08 | App II | | |
| | | Recovery | | | | 1055.48 | | | |
| | | Recovery | | | | 1055.48 | | | |
| | | Recovery | | | | 1055.48 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-8B

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1049.46 |
| Well Depth | 28.65 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1049.46 |
| Well Depth | 28.65 |
| Top Screen | 1029.86 |
| Bottom Screen | 1020.81 |
| Bottom Well | 1020.81 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 25.00 |
| Top sample | 1024.46 |
| Bottom sample | 1020.46 |
| Turbidity(NTU) | 2.94 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 10:23 | 24.74 | 1024.72 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 2.94 |
| Appendix I | Metals | 150 | 150 | | 2.94 |
| Appendix I | VOC | 240 | 240 | | 2.94 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1049.46 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 28.65 | Before purging | 3/10/2025 | 10:23 | 24.74 | 1024.72 | | 0.0 | |
| Capped | YES | After purging | | | | 1049.46 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1029.86 | | | |
| Litter | NO | | | | | -5.14 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1020.81 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 28.70 | 1020.76 | | | |
| | | | | | | -0.05 | feet sedimentation | | |
| | | Before Sampling | | | | 1049.46 | | | |
| | | Recovery | | | | 1049.46 | | | |
| | | Recovery | | | | 1049.46 | | | |
| | | Recovery | | | | 1049.46 | | | |
| | | Recovery | | | | 1049.46 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-9AR

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1057.54 |
| Well Depth | 28.95 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1057.54 |
| Well Depth | 28.95 |
| Top Screen | 1038.59 |
| Bottom Screen | 1028.59 |
| Bottom Well | 1028.59 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 26.00 |
| Top sample | 1031.54 |
| Bottom sample | 1027.54 |
| Turbidity(NTU) | 2.47 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 11:14 | 25.61 | 1031.93 | |

**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 | | 2.47 |
| Appendix I | Metals | 150 | 150 | | 2.47 |
| Appendix I | VOC | 240 | 240 | | 2.47 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1057.54 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 28.95 | Before purging | 3/10/2025 | 11:14 | 25.61 | 1031.93 | | 0.0 | |
| Capped | YES | After purging | | | | 1057.54 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1038.59 | | | |
| Litter | NO | | | | | -6.66 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1028.59 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 28.95 | 1028.59 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1057.54 | | | |
| | | Recovery | | | | 1057.54 | | | |
| | | Recovery | | | | 1057.54 | | | |
| | | Recovery | | | | 1057.54 | | | |
| | | Recovery | | | | 1057.54 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-11C

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1054.11 |
| Well Depth | 51.55 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1054.11 |
| Well Depth | 51.55 |
| Top Screen | 1003.56 |
| Bottom Screen | 1002.56 |
| Bottom Well | 1002.56 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 45.50 |
| Top sample | 1008.61 |
| Bottom sample | 1004.61 |
| Turbidity(NTU) | 2.76 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 9:13 | 45.08 | 1009.03 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 2.76 |
| Appendix I | Metals | 150 | 150 | | 2.76 |
| Appendix I | VOC | 240 | 240 | | 2.76 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1054.11 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 51.55 | Before purging | 3/10/2025 | 9:13 | 45.08 | 1009.03 | | 0.0 | |
| Capped | YES | After purging | | | | 1054.11 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1003.56 | | | |
| Litter | NO | | | | | 5.47 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1002.56 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 51.55 | 1002.56 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1054.11 | | | |
| | | Recovery | | | | 1054.11 | | | |
| | | Recovery | | | | 1054.11 | | | |
| | | Recovery | | | | 1054.11 | | | |
| | | Recovery | | | | 1054.11 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-14D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1057.28 |
| Well Depth | 65.00 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1057.28 |
| Well Depth | 65.00 |
| Top Screen | 997.28 |
| Bottom Screen | 992.28 |
| Bottom Well | 992.28 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 60.00 |
| Top sample | 997.28 |
| Bottom sample | 993.28 |
| Turbidity(NTU) | 3.06 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 11:56 | 56.92 | 1000.36 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 3.06 |
| Appendix I | Metals | 150 | 150 | | 3.06 |
| Appendix I | VOC | 240 | 240 | | 3.06 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1057.28 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 65.00 | Before purging | 3/10/2025 | 11:56 | 56.92 | 1000.36 | | 0.0 | |
| Capped | YES | After purging | | | | 1057.28 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 997.28 | | | |
| Litter | NO | | | | | 3.08 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 992.28 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 65.00 | 992.28 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1057.28 | App I Metals | | |
| | | Recovery | | | | 1057.28 | Supplemental | | |
| | | Recovery | | | | 1057.28 | | | |
| | | Recovery | | | | 1057.28 | | | |
| | | Recovery | | | | 1057.28 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well: MW-15R**

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1051.77 |
| Well Depth | 21.60 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1051.77 |
| Well Depth | 21.60 |
| Top Screen | 1035.67 |
| Bottom Screen | 1030.67 |
| Bottom Well | 1030.17 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 16.00 |
| Top sample | 1035.77 |
| Bottom sample | 1031.77 |
| Turbidity(NTU) | 13.20 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 10:41 | 13.62 | 1038.15 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 13.20 |
| Appendix I | Metals | 150 | 150 | | 13.20 |
| Appendix I | VOC | 240 | 240 | | 13.20 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1051.77 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 21.60 | Before purging | 3/10/2025 | 10:41 | 13.62 | 1038.15 | | 0.0 | |
| Capped | YES | After purging | | | | 1051.77 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1035.67 | | | |
| Litter | NO | | | | | 2.48 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1030.17 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 21.60 | 1030.17 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1051.77 | | | |
| | | Recovery | | | | 1051.77 | | | |
| | | Recovery | | | | 1051.77 | | | |
| | | Recovery | | | | 1051.77 | | | |
| | | Recovery | | | | 1051.77 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-17R

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1058.27 |
| Well Depth | 52.30 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1058.27 |
| Well Depth | 52.30 |
| Top Screen | 1008.97 |
| Bottom Screen | 1005.97 |
| Bottom Well | 1005.97 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 48.00 |
| Top sample | 1010.27 |
| Bottom sample | 1006.27 |
| Turbidity(NTU) | 2.17 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 10:05 | 48.3 | 1009.97 | |

**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 | | 2.17 |
| Appendix I | Metals | 150 | 150 | | 2.17 |
| Appendix I | VOC | 240 | 240 | | 2.17 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1058.27 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 52.30 | Before purging | 3/10/2025 | 10:05 | 48.3 | 1009.97 | | 0.0 | |
| Capped | YES | After purging | | | | 1058.27 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1008.97 | | | |
| Litter | NO | | | | | 1.00 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1005.97 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 52.30 | 1005.97 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1058.27 | | | |
| | | Recovery | | | | 1058.27 | | | |
| | | Recovery | | | | 1058.27 | | | |
| | | Recovery | | | | 1058.27 | | | |
| | | Recovery | | | | 1058.27 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-18

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1062.45 |
| Well Depth | 23.83 |
| 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 | 1062.45 |
| Well Depth | 23.83 |
| Top Screen | 1048.62 |
| Bottom Screen | 1038.62 |
| Bottom Well | 1038.62 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 22.00 |
| Top sample | 1040.45 |
| Bottom sample | 1036.45 |
| Turbidity(NTU) | 5.58 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 13:05 | 21.62 | 1040.83 | |

**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 | | 5.58 |
| Appendix I | Metals | 150 | 150 | | 5.58 |
| Appendix I | VOC | 240 | 0 | | 5.58 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 160 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1062.45 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 23.83 | Before purging | 3/10/2025 | 13:05 | 21.62 | 1040.83 | 0 | 0.0 | yes |
| Capped | YES | After purging | | | | 1062.45 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1048.62 | | | |
| Litter | NO | | | | | -7.79 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1038.62 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 23.60 | 1038.85 | | | |
| | | | | | | 0.23 | feet sedimentation | | |
| | | Before Sampling | | | | 1062.45 | | | |
| | | Before Sampling | | | | 1062.45 | | | |
| | | Recovery | | | | 1062.45 | | | |
| | | Recovery | | | | 1062.45 | | | |
| | | Recovery | | | | 1062.45 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-21

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 993.9 |
| Well Depth | 42.10 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 993.9 |
| Well Depth | 42.10 |
| Top Screen | 961.80 |
| Bottom Screen | 951.80 |
| Bottom Well | 951.80 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 35.00 |
| Top sample | 958.90 |
| Bottom sample | 954.90 |
| Turbidity(NTU) | 2.24 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 9:47 | 27.22 | 966.68 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 2.24 |
| Appendix I | Metals | 150 | 150 | | 2.24 |
| Appendix I | VOC | 240 | 240 | | 2.24 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 993.9 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 42.10 | Before purging | 3/10/2025 | 9:47 | 27.22 | 966.68 | | 0.0 | |
| Capped | YES | After purging | | | | 993.90 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 961.80 | | | |
| Litter | NO | | | | | 4.88 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 951.80 | | | |
| Equipment | Waterra & Bailer | Bottom of Well | 3/10/2025 | | 41.70 | 952.20 | | | |
| | | | | | | 0.40 | feet sedimentation | | |
| | | Before Sampling | | | | 993.90 | | | |
| | | Recovery | | | | 993.90 | | | |
| | | Recovery | | | | 993.90 | | | |
| | | Recovery | | | | 993.90 | | | |
| | | Recovery | | | | 993.90 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-28

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1002.67 |
| Well Depth | 14.80 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1002.67 |
| Well Depth | 14.80 |
| Top Screen | 992.87 |
| Bottom Screen | 987.87 |
| Bottom Well | 987.87 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 10.00 |
| Top sample | 992.67 |
| Bottom sample | 988.67 |
| Turbidity(NTU) | 160.40 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 15:07 | 7.5 | 995.17 | |

**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 | | 160.4 |
| Appendix I | Metals | 150 | 150 | | 160.4 |
| Appendix I | VOC | 240 | 240 | | 160.40 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1002.67 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 14.80 | Before purging | 3/10/2025 | 15:07 | 7.50 | 995.17 | | 0.0 | |
| Capped | YES | After purging | | | | 1002.67 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 992.87 | | | |
| Litter | NO | | | | | 2.30 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 987.87 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 15.00 | 987.67 | | | |
| | | | | | | -0.20 | feet sedimentation | | |
| | | Before Sampling | | | | 1002.67 | | | |
| | | Recovery | | | | 1002.67 | | | |
| | | Recovery | | | | 1002.67 | | | |
| | | Recovery | | | | 1002.67 | | | |
| | | Recovery | | | | 1002.67 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-31

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1054.34 |
| Well Depth | 25.00 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1054.34 |
| Well Depth | 25.00 |
| Top Screen | 1034.34 |
| Bottom Screen | 1029.34 |
| Bottom Well | 1029.34 |
| Sampler Length (ft) | |
| Sampler Volume (mL) | 0.00 |
| Feet cordage | |
| Top sample | 1054.34 |
| Bottom sample | 1054.34 |
| Turbidity(NTU) | |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 11:36 | 20.05 | 1034.29 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 0.00 |
| Appendix I | Metals | 150 | | | 0.00 |
| Appendix I | VOC | 240 | 240 | | 0.00 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 250 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1054.34 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 25.00 | Before purging | 3/10/2025 | 11:36 | 20.05 | 1034.29 | 0 | 0.0 | yes |
| Capped | YES | After purging | | | | 1054.34 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1034.34 | | | |
| Litter | NO | | | | | -0.05 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1029.34 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 25.00 | 1029.34 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1054.34 | | | |
| | | Before Sampling | | | | 1054.34 | | | |
| | | Recovery | | | | 1054.34 | | | |
| | | Recovery | | | | 1054.34 | | | |
| | | Recovery | | | | 1054.34 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-32

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1056.82 |
| Well Depth | 27.80 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1056.82 |
| Well Depth | 27.80 |
| Top Screen | 1034.02 |
| Bottom Screen | 1029.02 |
| Bottom Well | 1029.02 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 22.00 |
| Top sample | 1034.82 |
| Bottom sample | 1030.82 |
| Turbidity(NTU) | 2.48 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 11:02 | 20.22 | 1031.04 | |

**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 | | 2.48 |
| Appendix I | Metals | 150 | 150 | | 2.48 |
| Appendix I | VOC | 240 | 240 | | 2.48 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1056.82 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 27.80 | Before purging | 3/10/2025 | 11:02 | 20.22 | 1036.60 | | 0.0 | |
| Capped | YES | After purging | | | | 1056.82 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1034.02 | | | |
| Litter | NO | | | | | 2.58 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1029.02 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 27.80 | 1029.02 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1056.82 | | | |
| | | Recovery | | | | 1056.82 | | | |
| | | Recovery | | | | 1056.82 | | | |
| | | Recovery | | | | 1056.82 | | | |
| | | Recovery | | | | 1056.82 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-37D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1073.31 |
| Well Depth | 80.10 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1073.31 |
| Well Depth | 80.10 |
| Top Screen | 994.71 |
| Bottom Screen | 993.21 |
| Bottom Well | 991.66 |
| Sampler Length (ft) | 1.00 |
| Sampler Volume (mL) | 110.00 |
| Feet cordage | |
| Top sample | 1073.31 |
| Bottom sample | 1072.31 |
| Turbidity(NTU) | |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | | 79.34 | 993.97 | DRY |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 0 |
| Appendix I | Metals | 150 | 150 | | 0 |
| Appendix I | VOC | 240 | 240 | | 0.00 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1073.31 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 80.10 | Before purging | 3/10/2025 | 0:00 | 79.34 | 993.97 | | 0.0 | |
| Capped | YES | After purging | | | | 1073.31 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 994.71 | | | |
| Litter | NO | | | | | -0.74 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 993.21 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 79.90 | 993.41 | | | |
| | | | | | | 0.20 | feet sedimentation | | |
| | | Before Sampling | | | | 1073.31 | | | |
| | | Before Sampling | | | | 1073.31 | | | |
| | | Recovery | | | | 1073.31 | | | |
| | | Recovery | | | | 1073.31 | | | |
| | | Recovery | | | | 1073.31 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-38A

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1075.92 |
| Well Depth | 27.25 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1075.92 |
| Well Depth | 27.25 |
| Top Screen | 1053.67 |
| Bottom Screen | 1048.67 |
| Bottom Well | 1048.67 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | |
| Top sample | 1075.92 |
| Bottom sample | 1071.92 |
| Turbidity(NTU) | |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | | 26.75 | 1049.17 | **too dry no sample** |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 0 |
| Appendix I | Metals | 150 | 150 | | 0 |
| Appendix I | VOC | 240 | 240 | | 0.00 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1075.92 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 27.25 | Before purging | 3/10/2025 | 0:00 | 26.75 | 1049.17 | 0 | 0.0 | No |
| Capped | YES | After purging | | | | 1075.92 | | | |
| Standing Water | NO | Top of Screen 2019 | | | | 1053.67 | | | |
| Litter | NO | | | | | -4.50 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 2019 | | | | 1048.67 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 27.65 | 1048.27 | | | |
| | | | | | | -0.40 | feet sedimentation | | |
| | | Before Sampling | | | | 1075.92 | | | |
| | | Before Sampling | | | | 1075.92 | | | |
| | | Recovery | | | | 1075.92 | | | |
| | | Recovery | | | | 1075.92 | | | |
| | | Recovery | | | | 1075.92 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-39D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1076.19 |
| Well Depth | 90.50 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1076.19 |
| Well Depth | 90.50 |
| Top Screen | 988.69 |
| Bottom Screen | 985.69 |
| Bottom Well | 984.67 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 84.00 |
| Top sample | 992.19 |
| Bottom sample | 988.19 |
| Turbidity(NTU) | 39.08 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 13:40 | 59.5 | 1016.69 | |

**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 | | 39.08 |
| Appendix I | Metals | 150 | 150 | | 39.08 |
| Appendix I | VOC | 240 | | | |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 160 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1076.19 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 90.50 | Before purging | 3/10/2025 | 13:40 | 59.50 | 1016.69 | | 0.0 | |
| Capped | YES | After purging | | | | 1076.19 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 988.69 | | | |
| Litter | NO | | | | | 28.00 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 985.69 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 90.20 | 985.99 | | | |
| | | | | | | 0.30 | feet sedimentation | | |
| | | Before Sampling | | | | 1076.19 | | | |
| | | Recovery | | | | 1076.19 | | | |
| | | Recovery | | | | 1076.19 | | | |
| | | Recovery | | | | 1076.19 | | | |
| | | Recovery | | | | 1076.19 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-41D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1039.09 |
| Well Depth | 53.20 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1039.09 |
| Well Depth | 53.20 |
| Top Screen | 988.89 |
| Bottom Screen | 985.89 |
| Bottom Well | 984.32 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 48.00 |
| Top sample | 991.09 |
| Bottom sample | 987.09 |
| Turbidity(NTU) | 2.09 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 13:58 | 48.01 | 991.08 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 2.09 |
| Appendix I | Metals | 150 | 150 | | 2.09 |
| Appendix I | VOC | 240 | | | |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 160 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1039.09 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 53.20 | Before purging | 3/10/2025 | 13:58 | 48.01 | 991.08 | | 0.0 | |
| Capped | YES | After purging | | | | 1039.09 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 988.89 | | | |
| Litter | NO | | | | | 2.19 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 985.89 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 53.00 | 986.09 | | | |
| | | | | | | 0.20 | feet sedimentation | | |
| | | Before Sampling | | | | 1039.09 | | | |
| | | Recovery | | | | 1039.09 | | | |
| | | Recovery | | | | 1039.09 | | | |
| | | Recovery | | | | 1039.09 | | | |
| | | Recovery | | | | 1039.09 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-42D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1035.79 |
| Well Depth | 43.43 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1035.79 |
| Well Depth | 43.43 |
| Top Screen | 994.36 |
| Bottom Screen | 992.36 |
| Bottom Well | 992.36 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 38.00 |
| Top sample | 997.79 |
| Bottom sample | 993.79 |
| Turbidity(NTU) | 1.41 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 8:40 | 37.55 | 998.24 | |

**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 | | 1.41 |
| Appendix I | Metals | 150 | 150 | | 1.41 |
| Appendix I | VOC | 240 | | | |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 160 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1035.79 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 43.43 | Before purging | 3/10/2025 | 8:40 | 37.55 | 998.24 | | 0.0 | |
| Capped | YES | After purging | | | | 1035.79 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 994.36 | | | |
| Litter | NO | | | | | 3.88 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 992.36 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 43.40 | 992.39 | | | |
| | | | | | | 0.03 | feet sedimentation | | |
| | | Before Sampling | | | | 1035.79 | | | |
| | | Recovery | | | | 1035.79 | | | |
| | | Recovery | | | | 1035.79 | | | |
| | | Recovery | | | | 1035.79 | | | |
| | | Recovery | | | | 1035.79 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-44

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1051.33 |
| Well Depth | 18.62 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1051.33 |
| Well Depth | 18.62 |
| Top Screen | 1037.71 |
| Bottom Screen | 1032.71 |
| Bottom Well | 1032.71 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 13.00 |
| Top sample | 1038.33 |
| Bottom sample | 1034.33 |
| Turbidity(NTU) | 16.38 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 14:55 | 8.53 | 1042.8 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 16.38 |
| Appendix I | Metals | 150 | 150 | | 16.38 |
| Appendix I | VOC | 240 | 240 | | 16.38 |
| Full Appendix II | 10 more containers | 5620 | | 5620 | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 5620 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1051.33 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 18.62 | Before purging | 3/10/2025 | 14:55 | 8.53 | 1042.80 | 5 | 3.0 | no |
| Capped | YES | After purging | | 15:10 | 8.53 | 1042.80 | | | |
| Standing Water | NO | Top of Screen 2023 | | | | 1037.71 | | | |
| Litter | NO | | | | | 5.09 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 2023 | | | | 1032.71 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 18.60 | 1032.73 | | | |
| | | | | | | 0.02 | feet sedimentation | | |
| | | Before Sampling | | | | 1051.33 | | | |
| | | Recovery | | | | 1051.33 | | | |
| | | Recovery | | | | 1051.33 | | | |
| | | Recovery | | | | 1051.33 | | | |
| | | Recovery | | | | 1051.33 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** LW-26

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1108.21 |
| Well Depth | 65.00 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1108.21 |
| Well Depth | 65.00 |
| Top Screen | 1083.21 |
| Bottom Screen | 1043.21 |
| Bottom Well | 1042.30 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 55.00 |
| Top sample | 1053.21 |
| Bottom sample | 1049.21 |
| Turbidity(NTU) | 20.47 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 12:20 | 57.3 | 1050.91 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 20.47 |
| Appendix I | Metals | 150 | 150 | | 20.47 |
| Appendix I | VOC | 240 | 240 | | 20.47 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | Leachate | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1108.21 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 65.00 | Before purging | 3/10/2025 | 12:20 | 57.30 | 1050.91 | | 0.0 | |
| Capped | YES | After purging | | | | 1108.21 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1083.21 | | | |
| Litter | NO | | | | | -32.30 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1043.21 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 59.10 | 1049.11 | | | |
| | | | | | | 5.90 | feet sedimentation | | |
| | | Before Sampling | | | | 1108.21 | | | |
| | | Before Sampling | | | | 1108.21 | | | |
| | | Recovery | | | | 1108.21 | | | |
| | | Recovery | | | | 1108.21 | | | |
| | | Recovery | | | | 1108.21 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| GU-1 | 3/10/2025 | | Underdrain | **DRY** | | No | No | No |
| | | | | | | | | Turbidity(NTU) |
| | | | | | | | | |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| SW-1 (up) | 3/10/2025 | 15:42 | UG Surface Water | yes | 2"x8"x1ft/sec | No | No | No |
| | | | | **VOC Only** | | | | Turbidity(NTU) |
| | | | | | | | | |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| SW-102 | 3/10/2025 | 15:25 | SRAMP | yes | 2"x12"x1 ft/sec | No | No | No |
| | | | | **VOC Only** | | | | Turbidity(NTU) |
| | | | | | | | | 4.39 |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| SW-2B (dg) | 3/10/2025 | 15:31 | DG Surface Water | yes | 2"x24"x1 ft/sec | No | No | No |
| | | | | **VOC Only** | | | | Turbidity(NTU) |
| | | | | | | | | 5.35 |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| Tile 1 | 3/10/2025 | 16:02 | Ground Tile | yes | 5 gpm | No | No | No |
| | | | | | | | | Turbidity(NTU) |
| | | | | | | | | 4.12 |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| Tile 2 | 3/10/2025 | 16:13 | Ground Tile | yes | 8 gpm | No | No | No |
| | | | | | | | | Turbidity(NTU) |
| | | | | | | | | 6.6 |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-45A

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1033.1 |
| Well Depth | 13.60 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1033.1 |
| Well Depth | 13.60 |
| Top Screen | 1022.50 |
| Bottom Screen | 1019.50 |
| Bottom Well | 1019.50 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 10.00 |
| Top sample | 1023.10 |
| Bottom sample | 1019.10 |
| Turbidity(NTU) | 2.03 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 8:15 | 10.22 | 1022.88 | |

**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 | | 2.03 |
| Appendix I | Metals | 150 | 150 | | 2.03 |
| Appendix I | VOC | 240 | 240 | | 2.03 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1033.1 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 13.60 | Before purging | 3/10/2025 | 8:15 | 10.22 | 1022.88 | | 0.0 | |
| Capped | YES | After purging | | | | 1033.10 | | | |
| Standing Water | NO | Top of Screen 2023 | | | | 1022.50 | | | |
| Litter | NO | | | | | 0.38 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 2023 | | | | 1019.50 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 13.60 | 1019.50 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1033.10 | | | |
| | | Recovery | | | | 1033.10 | | | |
| | | Recovery | | | | 1033.10 | | | |
| | | Recovery | | | | 1033.10 | | | |
| | | Recovery | | | | 1033.10 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-45D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1033.44 |
| Well Depth | 38.45 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1033.44 |
| Well Depth | 38.45 |
| Top Screen | 997.49 |
| Bottom Screen | 994.99 |
| Bottom Well | 994.99 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 33.00 |
| Top sample | 1000.44 |
| Bottom sample | 996.44 |
| Turbidity(NTU) | 2.59 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 3/10/2025 | 8:24 | 24.28 | 1009.16 | |

**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 | | 2.59 |
| Appendix I | Metals | 150 | 150 | | 2.59 |
| Appendix I | VOC | 240 | 240 | | 2.59 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1033.44 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 38.45 | Before purging | 3/10/2025 | 8:24 | 24.28 | 1009.16 | | 0.0 | |
| Capped | YES | After purging | | | | 1033.44 | | | |
| Standing Water | NO | Top of Screen 2023 | | | | 997.49 | | | |
| Litter | NO | | | | | 11.67 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 2023 | | | | 994.99 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 3/10/2025 | | 38.45 | 994.99 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1033.44 | | | |
| | | Recovery | | | | 1033.44 | | | |
| | | Recovery | | | | 1033.44 | | | |
| | | Recovery | | | | 1033.44 | | | |
| | | Recovery | | | | 1033.44 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

3/10/2025 Sampled by: Todd Whipple Weather conditions: Sunny, windy, 70-77 degrees

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| GU-2 | 3/10/2025 | 17:07 | Underdrain | **yes** | 250 mL/18 sec | No | No | No |
| | | | | | | | | Turbidity(NTU) |
| | | | | | | | | 1.87 |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| GU-A | 3/10/2025 | 16:57 | Underdrain | **yes** | 250 mL/30 sec | No | No | No |
| | | | | **VOC Only** | | | | Turbidity(NTU) |
| | | | | | | | | 1.73 |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| GU-B | 3/10/2025 | 16:44 | Underdrain | **yes** | 5 gpm | No | No | No |
| | | | | | | | | Turbidity(NTU) |
| | | | | | | | | 1.84 |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 | Sampled by: Todd Whipple | Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-1R

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1044.51 |
| Well Depth | 39.50 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1044.51 |
| Well Depth | 39.50 |
| Top Screen | 1011.04 |
| Bottom Screen | 1005.01 |
| Bottom Well | 1005.01 |
| Sampler Length (ft) | |
| Sampler Volume (mL) | 0.00 |
| Feet cordage | 0.00 |
| Top sample | 1044.51 |
| Bottom sample | 1044.51 |
| Turbidity(NTU) | |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | | 39.75 | 1004.76 | 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 | 0 | | |
| Appendix I | Metals | 150 | 0 | | |
| Appendix I | VOC | 240 | 0 | | |
| Full Appendix II | 10 more containers | 5620 | | 0 | |
| TSS | TSS | 1000 | | 0 | |
| Supplemental | | | | 0 | |
| Supplemental | | | | 0 | |
| Total | | | 0 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1044.51 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 39.50 | Before purging | **9/2/2020** | | **39.75** | 1004.76 | | 0.0 | |
| | | After purging | | | | 1044.51 | | | |
| | | Top of Screen 2014 | | | | 1011.04 | | | |
| | | | | | | -6.28 | feet above (+) or below (-) top screen | | |
| | | Bottom of Well 2014 | | | | 1005.01 | | | |
| | | Bottom of Well | 9/2/2020 | | 39.50 | 1005.01 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1044.51 | | | |
| | | Recovery | | | | 1044.51 | | | |
| | | Recovery | | | | 1044.51 | | | |
| | | Recovery | | | | 1044.51 | | | |
| | | Recovery | | | | 1044.51 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-34A

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1072.74 |
| Well Depth | 38.20 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1072.74 |
| Well Depth | 38.20 |
| Top Screen | 1044.62 |
| Bottom Screen | 1034.62 |
| Bottom Well | 1034.54 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 32.00 |
| Top sample | 1040.74 |
| Bottom sample | 1036.74 |
| Turbidity(NTU) | 1.36 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 10:46 | 20.66 | 1052.08 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

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

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

| | | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1072.74 | | | | | | | | |
| Well Depth | 38.20 | Before purging | 9/4/2025 | 10:46 | 20.66 | 1052.08 | | 0.0 | |
| | | After purging | | | | 1072.74 | | | |
| | | Top of Screen 2014 | | | | 1044.62 | | | |
| | | | | | | 7.46 | feet above (+) or below (-) top screen | | |
| | | Bottom of Well 2014 | | | | 1034.62 | | | |
| | | Bottom of Well | 9/4/2025 | | 38.20 | 1034.54 | | | |
| | | | | | | -0.08 | feet sedimentation | | |
| | | Before Sampling | | | | 1072.74 | | | |
| | | Recovery | | | | 1072.74 | | | |
| | | Recovery | | | | 1072.74 | | | |
| | | Recovery | | | | 1072.74 | | | |
| | | Recovery | | | | 1072.74 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-6A

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1055.48 |
| Well Depth | 15.43 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1055.48 |
| Well Depth | 15.43 |
| Top Screen | 1043.05 |
| Bottom Screen | 1040.05 |
| Bottom Well | 1040.05 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 10.75 |
| Top sample | 1044.73 |
| Bottom sample | 1040.73 |
| Turbidity(NTU) | 1.22 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 15:30 | 11.2 | 1044.28 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 1.22 |
| Appendix I | Metals | 150 | 150 | | 1.22 |
| Appendix I | VOC | 240 | 240 | | 1.22 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1055.48 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 15.43 | Before purging | 9/4/2025 | 15:30 | 11.20 | 1044.28 | | 0.0 | |
| Capped | YES | After purging | | | | 1055.48 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1043.05 | | | |
| Litter | NO | | | | | -11.20 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1040.05 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 15.75 | 1039.73 | | | |
| | | | | | | -0.32 | feet sedimentation | | |
| | | Before Sampling | | | | 1055.48 | App I | | |
| | | Before Sampling | | | | 1055.48 | App II | | |
| | | Recovery | | | | 1055.48 | | | |
| | | Recovery | | | | 1055.48 | | | |
| | | Recovery | | | | 1055.48 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-8B

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1049.46 |
| Well Depth | 28.65 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1049.46 |
| Well Depth | 28.65 |
| Top Screen | 1029.86 |
| Bottom Screen | 1020.81 |
| Bottom Well | 1020.81 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 25.50 |
| Top sample | 1023.96 |
| Bottom sample | 1019.96 |
| Turbidity(NTU) | 1.00 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 14:35 | 23.3 | 1026.16 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 1.00 |
| Appendix I | Metals | 150 | 150 | | 1.00 |
| Appendix I | VOC | 240 | 240 | | 1.00 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1049.46 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 28.65 | Before purging | 9/4/2025 | 14:35 | 23.30 | 1026.16 | | 0.0 | |
| Capped | YES | After purging | | | | 1049.46 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1029.86 | | | |
| Litter | NO | | | | | -3.70 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1020.81 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 28.70 | 1020.76 | | | |
| | | | | | | -0.05 | feet sedimentation | | |
| | | Before Sampling | | | | 1049.46 | | | |
| | | Recovery | | | | 1049.46 | | | |
| | | Recovery | | | | 1049.46 | | | |
| | | Recovery | | | | 1049.46 | | | |
| | | Recovery | | | | 1049.46 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-9AR

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1057.54 |
| Well Depth | 28.95 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1057.54 |
| Well Depth | 28.95 |
| Top Screen | 1038.59 |
| Bottom Screen | 1028.59 |
| Bottom Well | 1028.59 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 25.00 |
| Top sample | 1032.54 |
| Bottom sample | 1028.54 |
| Turbidity(NTU) | 1.44 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 12:07 | 25.63 | 1031.91 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 1.44 |
| Appendix I | Metals | 150 | 150 | | 1.44 |
| Appendix I | VOC | 240 | 240 | | 1.44 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1057.54 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 28.95 | Before purging | 9/4/2025 | 12:07 | 25.63 | 1031.91 | | 0.0 | |
| Capped | YES | After purging | | | | 1057.54 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1038.59 | | | |
| Litter | NO | | | | | -6.68 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1028.59 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 28.95 | 1028.59 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1057.54 | | | |
| | | Recovery | | | | 1057.54 | | | |
| | | Recovery | | | | 1057.54 | | | |
| | | Recovery | | | | 1057.54 | | | |
| | | Recovery | | | | 1057.54 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-11C

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1054.11 |
| Well Depth | 51.55 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1054.11 |
| Well Depth | 51.55 |
| Top Screen | 1003.56 |
| Bottom Screen | 1002.56 |
| Bottom Well | 1002.56 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 45.00 |
| Top sample | 1009.11 |
| Bottom sample | 1005.11 |
| Turbidity(NTU) | 0.44 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 15:48 | 41.68 | 1012.43 | |

**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 | | 0.44 |
| Appendix I | Metals | 150 | 150 | | 0.44 |
| Appendix I | VOC | 240 | 240 | | 0.44 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1054.11 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 51.55 | Before purging | 9/4/2025 | 15:48 | 41.68 | 1012.43 | | 0.0 | |
| Capped | YES | After purging | | | | 1054.11 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1003.56 | | | |
| Litter | NO | | | | | 8.87 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1002.56 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 51.55 | 1002.56 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1054.11 | | | |
| | | Recovery | | | | 1054.11 | | | |
| | | Recovery | | | | 1054.11 | | | |
| | | Recovery | | | | 1054.11 | | | |
| | | Recovery | | | | 1054.11 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-14D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1057.28 |
| Well Depth | 65.00 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1057.28 |
| Well Depth | 65.00 |
| Top Screen | 997.28 |
| Bottom Screen | 992.28 |
| Bottom Well | 992.28 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 60.00 |
| Top sample | 997.28 |
| Bottom sample | 993.28 |
| Turbidity(NTU) | 0.61 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 11:10 | 55.21 | 1002.07 | |

**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 | | 0.61 |
| Appendix I | Metals | 150 | 150 | | 0.61 |
| Appendix I | VOC | 240 | 240 | | 0.61 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1057.28 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 65.00 | Before purging | 9/4/2025 | 11:10 | 55.21 | 1002.07 | | 0.0 | |
| Capped | YES | After purging | | | | 1057.28 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 997.28 | | | |
| Litter | NO | | | | | 4.79 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 992.28 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 65.00 | 992.28 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1057.28 | App I Metals | | |
| | | Recovery | | | | 1057.28 | Supplemental | | |
| | | Recovery | | | | 1057.28 | | | |
| | | Recovery | | | | 1057.28 | | | |
| | | Recovery | | | | 1057.28 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-15R

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1051.77 |
| Well Depth | 21.60 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1051.77 |
| Well Depth | 21.60 |
| Top Screen | 1035.67 |
| Bottom Screen | 1030.67 |
| Bottom Well | 1030.17 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 16.00 |
| Top sample | 1035.77 |
| Bottom sample | 1031.77 |
| Turbidity(NTU) | 1.91 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 12:55 | 13.28 | 1038.49 | |

**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 | | 1.91 |
| Appendix I | Metals | 150 | 150 | | 1.91 |
| Appendix I | VOC | 240 | 240 | | 1.91 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1051.77 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 21.60 | Before purging | 9/4/2025 | 12:55 | 13.28 | 1038.49 | | 0.0 | |
| Capped | YES | After purging | | | | 1051.77 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1035.67 | | | |
| Litter | NO | | | | | 2.82 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1030.17 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 21.60 | 1030.17 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1051.77 | | | |
| | | Recovery | | | | 1051.77 | | | |
| | | Recovery | | | | 1051.77 | | | |
| | | Recovery | | | | 1051.77 | | | |
| | | Recovery | | | | 1051.77 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-17R

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1058.27 |
| Well Depth | 52.30 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1058.27 |
| Well Depth | 52.30 |
| Top Screen | 1008.97 |
| Bottom Screen | 1005.97 |
| Bottom Well | 1005.97 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 46.00 |
| Top sample | 1012.27 |
| Bottom sample | 1008.27 |
| Turbidity(NTU) | 1.80 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 15:11 | 45.75 | 1012.52 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 1.80 |
| Appendix I | Metals | 150 | 150 | | 1.80 |
| Appendix I | VOC | 240 | 240 | | 1.80 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1058.27 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 52.30 | Before purging | 9/4/2025 | 15:11 | 45.75 | 1012.52 | | 0.0 | |
| Capped | YES | After purging | | | | 1058.27 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1008.97 | | | |
| Litter | NO | | | | | 3.55 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1005.97 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 52.30 | 1005.97 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1058.27 | | | |
| | | Recovery | | | | 1058.27 | | | |
| | | Recovery | | | | 1058.27 | | | |
| | | Recovery | | | | 1058.27 | | | |
| | | Recovery | | | | 1058.27 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-18

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1062.45 |
| Well Depth | 23.83 |
| 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 | 1062.45 |
| Well Depth | 23.83 |
| Top Screen | 1048.62 |
| Bottom Screen | 1038.62 |
| Bottom Well | 1038.62 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 21.00 |
| Top sample | 1041.45 |
| Bottom sample | 1037.45 |
| Turbidity(NTU) | 0.41 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 10:35 | 21.05 | 1041.4 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 0.41 |
| Appendix I | Metals | 150 | 150 | | 0.41 |
| Appendix I | VOC | 240 | 0 | | 0.41 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 160 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1062.45 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 23.83 | Before purging | 9/4/2025 | 10:35 | 21.05 | 1041.40 | 0 | 0.0 | yes |
| Capped | YES | After purging | | | | 1062.45 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1048.62 | | | |
| Litter | NO | | | | | -7.22 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1038.62 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 23.60 | 1038.85 | | | |
| | | | | | | 0.23 | feet sedimentation | | |
| | | Before Sampling | | | | 1062.45 | | | |
| | | Before Sampling | | | | 1062.45 | | | |
| | | Recovery | | | | 1062.45 | | | |
| | | Recovery | | | | 1062.45 | | | |
| | | Recovery | | | | 1062.45 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-21

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 993.9 |
| Well Depth | 42.10 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 993.9 |
| Well Depth | 42.10 |
| Top Screen | 961.80 |
| Bottom Screen | 951.80 |
| Bottom Well | 951.80 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 36.00 |
| Top sample | 957.90 |
| Bottom sample | 953.90 |
| Turbidity(NTU) | 0.64 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 14:15 | 25.45 | 968.45 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 0.64 |
| Appendix I | Metals | 150 | 150 | | 0.64 |
| Appendix I | VOC | 240 | 240 | | 0.64 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 993.9 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 42.10 | Before purging | 9/4/2025 | 14:15 | 25.45 | 968.45 | | 0.0 | |
| Capped | YES | After purging | | | | 993.90 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 961.80 | | | |
| Litter | NO | | | | | 6.65 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 951.80 | | | |
| Equipment | Waterra & Bailer | Bottom of Well | 9/4/2025 | | 41.70 | 952.20 | | | |
| | | | | | | 0.40 | feet sedimentation | | |
| | | Before Sampling | | | | 993.90 | | | |
| | | Recovery | | | | 993.90 | | | |
| | | Recovery | | | | 993.90 | | | |
| | | Recovery | | | | 993.90 | | | |
| | | Recovery | | | | 993.90 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-28

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1002.67 |
| Well Depth | 14.80 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1002.67 |
| Well Depth | 14.80 |
| Top Screen | 992.87 |
| Bottom Screen | 987.87 |
| Bottom Well | 987.87 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 10.00 |
| Top sample | 992.67 |
| Bottom sample | 988.67 |
| Turbidity(NTU) | 0.59 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 13:21 | 7.36 | 995.31 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 0.59 |
| Appendix I | Metals | 150 | 150 | | 0.59 |
| Appendix I | VOC | 240 | 240 | | 0.59 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1002.67 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 14.80 | Before purging | 9/4/2025 | 13:21 | 7.36 | 995.31 | | 0.0 | |
| Capped | YES | After purging | | | | 1002.67 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 992.87 | | | |
| Litter | NO | | | | | 2.44 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 987.87 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 15.00 | 987.67 | | | |
| | | | | | | -0.20 | feet sedimentation | | |
| | | Before Sampling | | | | 1002.67 | | | |
| | | Recovery | | | | 1002.67 | | | |
| | | Recovery | | | | 1002.67 | | | |
| | | Recovery | | | | 1002.67 | | | |
| | | Recovery | | | | 1002.67 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-31

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1054.34 |
| Well Depth | 25.00 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1054.34 |
| Well Depth | 25.00 |
| Top Screen | 1034.34 |
| Bottom Screen | 1029.34 |
| Bottom Well | 1029.34 |
| Sampler Length (ft) | |
| Sampler Volume (mL) | 0.00 |
| Feet cordage | |
| Top sample | 1054.34 |
| Bottom sample | 1054.34 |
| Turbidity(NTU) | |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | | 23.6 | 1030.74 | |

**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 | | | 0.00 |
| Appendix I | Metals | 150 | | | 0.00 |
| Appendix I | VOC | 240 | | | 0.00 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 0 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1054.34 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 25.00 | Before purging | 9/4/2025 | 0:00 | 23.60 | 1030.74 | 0 | 0.0 | yes |
| Capped | YES | After purging | | | | 1054.34 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1034.34 | | | |
| Litter | NO | | | | | -3.60 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1029.34 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 25.00 | 1029.34 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1054.34 | | | |
| | | Before Sampling | | | | 1054.34 | | | |
| | | Recovery | | | | 1054.34 | | | |
| | | Recovery | | | | 1054.34 | | | |
| | | Recovery | | | | 1054.34 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-32

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1056.82 |
| Well Depth | 27.80 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1056.82 |
| Well Depth | 27.80 |
| Top Screen | 1034.02 |
| Bottom Screen | 1029.02 |
| Bottom Well | 1029.02 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 22.00 |
| Top sample | 1034.82 |
| Bottom sample | 1030.82 |
| Turbidity(NTU) | 1.51 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 12:24 | 20.86 | 1031.04 | |

**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 | | 1.51 |
| Appendix I | Metals | 150 | 150 | | 1.51 |
| Appendix I | VOC | 240 | 240 | | 1.51 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1056.82 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 27.80 | Before purging | 9/4/2025 | 12:24 | 20.86 | 1035.96 | | 0.0 | |
| Capped | YES | After purging | | | | 1056.82 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1034.02 | | | |
| Litter | NO | | | | | 1.94 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1029.02 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 27.80 | 1029.02 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1056.82 | | | |
| | | Recovery | | | | 1056.82 | | | |
| | | Recovery | | | | 1056.82 | | | |
| | | Recovery | | | | 1056.82 | | | |
| | | Recovery | | | | 1056.82 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-37D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1073.31 |
| Well Depth | 80.10 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1073.31 |
| Well Depth | 80.10 |
| Top Screen | 994.71 |
| Bottom Screen | 993.21 |
| Bottom Well | 991.66 |
| Sampler Length (ft) | 1.00 |
| Sampler Volume (mL) | 110.00 |
| Feet cordage | |
| Top sample | 1073.31 |
| Bottom sample | 1072.31 |
| Turbidity(NTU) | |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | | 79.1 | 994.21 | |

**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 | | 0 |
| Appendix I | Metals | 150 | 150 | | 0 |
| Appendix I | VOC | 240 | 240 | | 0.00 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1073.31 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 80.10 | Before purging | 9/4/2025 | 0:00 | 79.10 | 994.21 | | 0.0 | |
| Capped | YES | After purging | | | | 1073.31 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 994.71 | | | |
| Litter | NO | | | | | -0.50 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 993.21 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 79.90 | 993.41 | | | |
| | | | | | | 0.20 | feet sedimentation | | |
| | | Before Sampling | | | | 1073.31 | | | |
| | | Before Sampling | | | | 1073.31 | | | |
| | | Recovery | | | | 1073.31 | | | |
| | | Recovery | | | | 1073.31 | | | |
| | | Recovery | | | | 1073.31 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-38A

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1075.92 |
| Well Depth | 27.25 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1075.92 |
| Well Depth | 27.25 |
| Top Screen | 1053.67 |
| Bottom Screen | 1048.67 |
| Bottom Well | 1048.67 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | |
| Top sample | 1075.92 |
| Bottom sample | 1071.92 |
| Turbidity(NTU) | |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | | 26.8 | 1049.12 | **too dry no sample** |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 0 |
| Appendix I | Metals | 150 | 150 | | 0 |
| Appendix I | VOC | 240 | 240 | | 0.00 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1075.92 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 27.25 | Before purging | 9/4/2025 | 0:00 | 26.80 | 1049.12 | 0 | 0.0 | No |
| Capped | YES | After purging | | | | 1075.92 | | | |
| Standing Water | NO | Top of Screen 2019 | | | | 1053.67 | | | |
| Litter | NO | | | | | -4.55 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 2019 | | | | 1048.67 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 26.90 | 1049.02 | | | |
| | | | | | | 0.35 | feet sedimentation | | |
| | | Before Sampling | | | | 1075.92 | | | |
| | | Before Sampling | | | | 1075.92 | | | |
| | | Recovery | | | | 1075.92 | | | |
| | | Recovery | | | | 1075.92 | | | |
| | | Recovery | | | | 1075.92 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-39D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1076.19 |
| Well Depth | 90.50 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1076.19 |
| Well Depth | 90.50 |
| Top Screen | 988.69 |
| Bottom Screen | 985.69 |
| Bottom Well | 984.67 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 84.00 |
| Top sample | 992.19 |
| Bottom sample | 988.19 |
| Turbidity(NTU) | 1.50 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 8:08 | 56.85 | 1019.34 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 1.5 |
| Appendix I | Metals | 150 | 150 | | 1.5 |
| Appendix I | VOC | 240 | | | |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 160 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1076.19 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 90.50 | Before purging | 9/4/2025 | 8:08 | 56.85 | 1019.34 | | 0.0 | |
| Capped | YES | After purging | | | | 1076.19 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 988.69 | | | |
| Litter | NO | | | | | 30.65 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 985.69 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 90.20 | 985.99 | | | |
| | | | | | | 0.30 | feet sedimentation | | |
| | | Before Sampling | | | | 1076.19 | | | |
| | | Recovery | | | | 1076.19 | | | |
| | | Recovery | | | | 1076.19 | | | |
| | | Recovery | | | | 1076.19 | | | |
| | | Recovery | | | | 1076.19 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-41D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1039.09 |
| Well Depth | 53.20 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1039.09 |
| Well Depth | 53.20 |
| Top Screen | 988.89 |
| Bottom Screen | 985.89 |
| Bottom Well | 984.32 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 47.00 |
| Top sample | 992.09 |
| Bottom sample | 988.09 |
| Turbidity(NTU) | 2.13 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 8:42 | 47.31 | 991.78 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 2.13 |
| Appendix I | Metals | 150 | 150 | | 2.13 |
| Appendix I | VOC | 240 | | | |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 160 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1039.09 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 53.20 | Before purging | 9/4/2025 | 8:42 | 47.31 | 991.78 | | 0.0 | |
| Capped | YES | After purging | | | | 1039.09 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 988.89 | | | |
| Litter | NO | | | | | 2.89 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 985.89 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 53.20 | 985.89 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1039.09 | | | |
| | | Recovery | | | | 1039.09 | | | |
| | | Recovery | | | | 1039.09 | | | |
| | | Recovery | | | | 1039.09 | | | |
| | | Recovery | | | | 1039.09 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-42D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1035.79 |
| Well Depth | 43.43 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1035.79 |
| Well Depth | 43.43 |
| Top Screen | 994.36 |
| Bottom Screen | 992.36 |
| Bottom Well | 992.36 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 38.00 |
| Top sample | 997.79 |
| Bottom sample | 993.79 |
| Turbidity(NTU) | 1.05 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 9:14 | 34.9 | 1000.89 | |

**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 | | 1.05 |
| Appendix I | Metals | 150 | 150 | | 1.05 |
| Appendix I | VOC | 240 | | | |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 160 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1035.79 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 43.43 | Before purging | 9/4/2025 | 9:14 | 34.90 | 1000.89 | | 0.0 | |
| Capped | YES | After purging | | | | 1035.79 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 994.36 | | | |
| Litter | NO | | | | | 6.53 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 992.36 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 43.40 | 992.39 | | | |
| | | | | | | 0.03 | feet sedimentation | | |
| | | Before Sampling | | | | 1035.79 | | | |
| | | Recovery | | | | 1035.79 | | | |
| | | Recovery | | | | 1035.79 | | | |
| | | Recovery | | | | 1035.79 | | | |
| | | Recovery | | | | 1035.79 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-44

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1051.13 |
| Well Depth | 18.40 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1051.13 |
| Well Depth | 18.40 |
| Top Screen | 1037.71 |
| Bottom Screen | 1032.71 |
| Bottom Well | 1032.71 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 13.00 |
| Top sample | 1038.13 |
| Bottom sample | 1034.13 |
| Turbidity(NTU) | 1.05 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 12:38 | 9.42 | 1041.71 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 1.05 |
| Appendix I | Metals | 150 | 150 | | 1.05 |
| Appendix I | VOC | 240 | 240 | | 1.05 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1051.13 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 18.40 | Before purging | 9/4/2025 | 12:38 | 9.42 | 1041.71 | | 0.0 | |
| Capped | YES | After purging | | | | 1051.13 | | | |
| Standing Water | NO | Top of Screen 2023 | | | | 1037.71 | | | |
| Litter | NO | | | | | 4.00 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 2023 | | | | 1032.71 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 18.40 | 1032.73 | | | |
| | | | | | | 0.02 | feet sedimentation | | |
| | | Before Sampling | | | | 1051.13 | | | |
| | | Recovery | | | | 1051.13 | | | |
| | | Recovery | | | | 1051.13 | | | |
| | | Recovery | | | | 1051.13 | | | |
| | | Recovery | | | | 1051.13 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** LW-26

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1108.21 |
| Well Depth | 65.00 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1108.21 |
| Well Depth | 65.00 |
| Top Screen | 1083.21 |
| Bottom Screen | 1043.21 |
| Bottom Well | 1042.30 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 59.00 |
| Top sample | 1049.21 |
| Bottom sample | 1045.21 |
| Turbidity(NTU) | 12.23 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 16:45 | 57.48 | 1050.73 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 12.23 |
| Appendix I | Metals | 150 | 150 | | 12.23 |
| Appendix I | VOC | 240 | 240 | | 12.23 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | Leachate | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1108.21 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 65.00 | Before purging | 9/4/2025 | 16:45 | 57.48 | 1050.73 | | 0.0 | |
| Capped | YES | After purging | | | | 1108.21 | | | |
| Standing Water | NO | Top of Screen 1990 | | | | 1083.21 | | | |
| Litter | NO | | | | | -32.48 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 1990 | | | | 1043.21 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 59.10 | 1049.11 | | | |
| | | | | | | 5.90 | feet sedimentation | | |
| | | Before Sampling | | | | 1108.21 | | | |
| | | Before Sampling | | | | 1108.21 | | | |
| | | Recovery | | | | 1108.21 | | | |
| | | Recovery | | | | 1108.21 | | | |
| | | Recovery | | | | 1108.21 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| GU-1 | 9/4/2025 | | Underdrain | **DRY** | | No | No | No |
| | | | | | | | | Turbidity(NTU) |
| | | | | | | | | |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| SW-1 (up) | 9/4/2025 | | UG Surface Water | dry | | No | No | No |
| | | | | **VOC Only** | | | | Turbidity(NTU) |
| | | | | | | | | |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| SW-102 | 9/4/2025 | 13:35 | SRAMP | yes | 1"x12"x1 ft/sec | No | No | No |
| | | | | **VOC Only** | | | | Turbidity(NTU) |
| | | | | | | | | |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| SW-2B (dg) | 9/4/2025 | 13:45 | DG Surface Water | yes | 2"x24"x1 ft/sec | No | No | No |
| | | | | **VOC Only** | | | | Turbidity(NTU) |
| | | | | | | | | |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| Tile 1 | 9/4/2025 | 11:53 | Ground Tile | yes | 150 mL/10 sec | No | No | No |
| | | | | | | | | Turbidity(NTU) |
| | | | | | | | | 0.33 |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| Tile 2 | 9/4/2025 | 11:32 | Ground Tile | yes | 10 gpm | No | No | No |
| | | | | | | | | Turbidity(NTU) |
| | | | | | | | | 0.56 |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-45A

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1033.1 |
| Well Depth | 13.60 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1033.1 |
| Well Depth | 13.60 |
| Top Screen | 1022.50 |
| Bottom Screen | 1019.50 |
| Bottom Well | 1019.50 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 10.00 |
| Top sample | 1023.10 |
| Bottom sample | 1019.10 |
| Turbidity(NTU) | 0.93 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 9:30 | 10.78 | 1022.32 | |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte | | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|---|---|---|---|---|---|
| All | Field NTU | 10 | 10 | | 0.93 |
| Appendix I | Metals | 150 | 150 | | 0.93 |
| Appendix I | VOC | 240 | 240 | | 0.93 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1033.1 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 13.60 | Before purging | 9/4/2025 | 9:30 | 10.78 | 1022.32 | | 0.0 | |
| Capped | YES | After purging | | | | 1033.10 | | | |
| Standing Water | NO | Top of Screen 2023 | | | | 1022.50 | | | |
| Litter | NO | | | | | -0.18 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 2023 | | | | 1019.50 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 13.60 | 1019.50 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1033.10 | | | |
| | | Recovery | | | | 1033.10 | | | |
| | | Recovery | | | | 1033.10 | | | |
| | | Recovery | | | | 1033.10 | | | |
| | | Recovery | | | | 1033.10 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1322**

**Monitoring Well:** MW-45D

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

**GENERAL INFORMATION**

| | |
|---|---|
| TOC | 1033.44 |
| Well Depth | 38.45 |
| Capped | YES |
| Standing Water | NO |
| Litter | NO |
| Level Tape | Solinst 101 |
| NTU Meter | Hach 2100P |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment - | Waterra |

**NO PURGE METHOD**

| | |
|---|---|
| TOC | 1033.44 |
| Well Depth | 38.45 |
| Top Screen | 997.49 |
| Bottom Screen | 994.99 |
| Bottom Well | 994.99 |
| Sampler Length (ft) | 4.00 |
| Sampler Volume (mL) | 440.00 |
| Feet cordage | 33.00 |
| Top sample | 1000.44 |
| Bottom sample | 996.44 |
| Turbidity(NTU) | 1.17 |

| Date | Time | Water Level | Water Elevation | Notes |
|---|---|---|---|---|
| 9/4/2025 | 9:37 | 22.46 | 1010.98 | |

**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 | | 1.17 |
| Appendix I | Metals | 150 | 150 | | 1.17 |
| Appendix I | VOC | 240 | 240 | | 1.17 |
| Full Appendix II | 10 more containers | 5620 | | | |
| TSS | TSS | 1000 | | | |
| Supplemental | | | | | |
| Supplemental | | | | | |
| Total | | | 400 | 0 | |

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOC | 1033.44 | 2" dia. | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry? |
| Well Depth | 38.45 | Before purging | 9/4/2025 | 9:37 | 22.46 | 1010.98 | | 0.0 | |
| Capped | YES | After purging | | | | 1033.44 | | | |
| Standing Water | NO | Top of Screen 2023 | | | | 997.49 | | | |
| Litter | NO | | | | | 13.49 | feet above (+) or below (-) top screen | | |
| Level Tape | Solinst | Bottom of Well 2023 | | | | 994.99 | | | |
| Equipment | Disposable Bailer | Bottom of Well | 9/4/2025 | | 38.45 | 994.99 | | | |
| | | | | | | 0.00 | feet sedimentation | | |
| | | Before Sampling | | | | 1033.44 | | | |
| | | Recovery | | | | 1033.44 | | | |
| | | Recovery | | | | 1033.44 | | | |
| | | Recovery | | | | 1033.44 | | | |
| | | Recovery | | | | 1033.44 | | | |

**South Central Iowa Landfill Agency**
**PERMIT # 61-SDP-01-78P**

9/4/2025 Sampled by: Todd Whipple Weather conditions: Overcast, calm, 68 degrees

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| GU-2 | 9/4/2025 | 10:17 | Underdrain | **yes** | 250 mL/85 sec | No | No | No |
| | | | | | | | | Turbidity(NTU) |
| | | | | | | | | 1.08 |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| GU-A | 9/4/2025 | 10:00 | Underdrain | **yes** | 250 mL/15 sec | No | No | No |
| | | | | **VOC Only** | | | | Turbidity(NTU) |
| | | | | | | | | 1.05 |

**IDNR Form 542-1324**

| | Date | Time | Type | Flowing | Quantity | Discolored | Odor | Litter |
|---|---|---|---|---|---|---|---|---|
| GU-B | 9/4/2025 | 9:48 | Underdrain | **yes** | 5 gpm | No | No | No |
| | | | | | | | | Turbidity(NTU) |
| | | | | | | | | 1.26 |

# Appendix C

# Statistical Report

Appendix C.1 Spring - Otter Creek Statistical Report

# GROUND WATER STATISTICS

# FOR THE

# SOUTH CENTRAL IOWA LANDFILL

**First Semi-Annual Monitoring Event in 2025**

Prepared for:
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**April 2025**

## INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the first semi-annual monitoring event in 2025 at the South Central Iowa Landfill in Winterset, 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 statistical method was applied to the current data. The statistical plan conforms with IAC 567, Chapter 113.10, USEPA Guidance document ("*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance"*, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

### Ground Water Monitoring Program

The shallow groundwater monitoring network for the South Central Iowa Landfill includes sample points MW-4A, MW-18, GU-1, GU-2, GU-A, GU-B, MW-1R, MW-6A, MW-21, Tile 1, Tile 2, MW-38A, MW-44, MW-45A, and MW-34A. The deep groundwater monitoring network for the South Central Iowa Landfill includes sample points MW-11C, MW-39D, MW-41D, MW-42D, MW-45D, MW-14D, MW-17R, and MW-28. Supplemental wells monitored include MW-8B, MW-9AR, and MW-15R. Additionally, surface water is monitored from a stream on the western edge of the property at sample points SW-1, SW-101, SW-102, SW-103, SW-104, SW-105, SW-106, and SW-2B. Each of the groundwater monitoring wells and surface waters are to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

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

*Organic Compounds:*

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

*Inorganic constituents:*

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

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

## STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The prediction limit method was applied to the South Central Iowa 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.

Since there is limited background, Poisson prediction limits were previously computed for those rarely detected parameters. Poisson prediction limits are appropriate for small data sets. Once twelve rounds of data are available, it was recommended that nonparametric prediction limits be used for parameters detected at a frequency less than 25%. Since the Unified Guidance recommends nonparametric limits over Poisson limits, nonparametric limits were used for the current comparisons.

### Results of the Interwell Statistics (Shallow Ground Water Samples)

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-4A, MW-34A, and MW-18 during the period from September 2014 through the current data. A summary of the background data from monitoring wells MW-4A, MW-34A, and MW-18, 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 GU-2, GU-A, GU-B, MW-21, MW-44, MW-45A, MW-6A, Tile 1, and Tile 2, compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the table below.

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

| Well | Trace Metal Detected | Result, µg/L | Prediction Limit, µg/L | Prediction Limit Type | Verified/ Awaiting verification |
|---|---|---|---|---|---|
| GU-2 | Selenium | 1160 | 16.2000 | Nonparametric | Awaiting verification |
| GU-A | Nickel | 54.0 | 33.6000 | Nonparametric | Verified |
| | Zinc | 1720 | 73.5000 | Nonparametric | Verified |
| GU-B | Selenium | 33.6 | 16.2000 | Nonparametric | Awaiting verification |
| MW-44 | Barium | 756 | 660.3102 | Normal | Verified |
| MW-6A | Cobalt | 6.8 | 4.8025 | Lognormal | Verified |
| Tile 1 | Barium | 739 | 660.3102 | Normal | Verified |

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

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 2% and the test becomes sensitive to 4 standard deviation unit increases over background.

The verified trace metal 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 Tile 1 (2.100 µg/L) equals the GWPS of 2.1 µg/L. The remainder of the calculated 95% LCLs are below GWPS.

## Results of the Interwell Statistics (Bedrock Ground Water Samples)

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-11C, MW-39D, MW-41D, and MW-42D during the period from September 2014 through the current data. A summary of the background data from monitoring wells MW-11C, MW-39D, MW-41D, and MW-42D, used to determine the site prediction limits, is listed in Attachment D, 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-14D, MW-17R, MW-28, and MW-45D compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the table below.

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

| Well | Trace Metal Detected | Result, µg/L | Prediction Limit, µg/L | Prediction Limit Type | Verified/ Awaiting verification |
|---|---|---|---|---|---|
| MW-17R | Barium | 410 | 105.8772 | Normal | Verified |
| | Nickel | 22.5 | 11.8000 | Nonparametric | Verified |
| MW-28 | Arsenic | 64.8 | 5.8000 | Nonparametric | Awaiting verification |
| | Barium | 1340 | 105.8772 | Normal | Verified |
| | Cobalt | 59.0 | 5.4000 | Nonparametric | Verified |
| | Nickel | 24.0 | 11.8000 | Nonparametric | Verified |
| MW-45D | Arsenic | 10.0 | 5.8000 | Nonparametric | Verified |

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached. 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 trace metal exceedances were evaluated against the GWPS (Attachment E). The 95% LCL for cobalt MW-28 (17.962 µg/L) exceeds the GWPS of 2.1 µg/L. The remainder of the calculated 95% LCLs are below GWPS.

### Supplemental Downgradient Attenuation Zone

Time series plots of the Appendix I trace metals at wells MW-8B, MW-9AR, and MW-15R are provided in Attachment F.

### 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 South Central Iowa Landfill during the first semi-annual monitoring event in 2025 are summarized below. Historical VOC detections are summarized in Attachment G.

**VOCs Detected at SCILA during the First Semi-Annual Monitoring Event in 2025**

| Well | VOC Detected | Result µg/L | Reporting Limit µg/L | Verified/Awaiting Verification | Ground Water Standard, µg/L |
|---|---|---|---|---|---|
| MW-28 | *cis*-1,2-Dichloroethene | 4.9 | 1 | Verified | 70[a] |
| MW-32 | Chlorobenzene | 1.4 | 1 | Awaiting Verification | 100[a] |
| MW-44 | Bis(2-ethylhexyl)phthalate | 6.0 | 6 | Verified | 6[a] |
| MW-9AR | *cis*-1,2-Dichloroethene | 56.4 | 1 | Verified | 70[a] |
| | *trans*-1,2-Dichloroethene | 3.3 | 1 | Verified | 100[a] |
| | Trichloroethene | 6.6 | 1 | Verified | 5[a] |
| Tile 1 | 1,4-Dichlorobenzene | 1.5 | 1 | Verified | 75[a] |
| | Benzene | 1.6 | 1 | Verified | 5[a] |
| | Chlorobenzene | 5.7 | 1 | Verified | 100[a] |
| Tile 2 | *cis*-1,2-Dichloroethene | 1.1 | 1 | Verified | 70[a] |

a – USEPA MCL,
b – Iowa Statewide Standard

The past and current 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 H). 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 vinyl chloride MW-9AR (4.493 µg/L) exceeds the GWPS of 2 µg/L. The remainder of the calculated 95% LCLs are below GWPS.

Surface water sample points SW-1, SW-102, and SW-2B were sampled on March 10-11, 2025 and analyzed for VOCs. No VOCs were detected above the site-specific reporting limits.

**Attachment A**

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

## Table 1

## Analytical Data Summary for 3/10/2025 to 3/11/2025

| Constituents | Units | GU-2 | GU-A | GU-B | LW26 | MW-11C | MW-14D | MW-15R | MW-17R | MW-18 | MW-21 | MW-28 | MW-31 | MW-32 | MW-39D | MW-41D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | ug/L | | | | | | | | | | | | | | | |
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| 1,1-dichloropropene | ug/L | | | | | | | | | | | | | | | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| 1,2,4,5-tetrachlorobenzene | ug/L | | | | | | | | | | | | | | | |
| 1,2,4-trichlorobenzene | ug/L | | | | | | | | | | | | | | | |
| 1,2-dibromo-3-chloropropane | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| 1,2-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 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | <1.0 | <1.0 | <1.0 | | |
| 1,4-naphthoquinone | ug/L | | | | | | | | | | | | | | | |
| 1,4-phenylenediamine | ug/L | | | | | | | | | | | | | | | |
| 1-naphthylamine | ug/L | | | | | | | | | | | | | | | |
| 2,2-dichloropropane | ug/L | | | | | | | | | | | | | | | |
| 2,3,4,6-tetrachlorophenol | ug/L | | | | | | | | | | | | | | | |
| 2,4,5-t | ug/L | | | | | | | | | | | | | | | |
| 2,4,5-tp (silvex) | ug/L | | | | | | | | | | | | | | | |
| 2,4,5-trichlorophenol | ug/L | | | | | | | | | | | | | | | |
| 2,4,6-trichlorophenol | ug/L | | | | | | | | | | | | | | | |
| 2,4-d | ug/L | | | | | | | | | | | | | | | |
| 2,4-dichlorophenol | ug/L | | | | | | | | | | | | | | | |
| 2,4-dimethylphenol | ug/L | | | | | | | | | | | | | | | |
| 2,4-dinitrophenol | ug/L | | | | | | | | | | | | | | | |
| 2,4-dinitrotoluene | ug/L | | | | | | | | | | | | | | | |
| 2,6-dichlorophenol | ug/L | | | | | | | | | | | | | | | |
| 2,6-dinitrotoluene | ug/L | | | | | | | | | | | | | | | |
| 2-acetylaminofluorene | ug/L | | | | | | | | | | | | | | | |
| 2-butanone (mek) | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | | |
| 2-chloronaphthalene | ug/L | | | | | | | | | | | | | | | |
| 2-chlorophenol | ug/L | | | | | | | | | | | | | | | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | |
| 2-methylnaphthalene | ug/L | | | | | | | | | | | | | | | |
| 2-methylphenol | ug/L | | | | | | | | | | | | | | | |
| 2-naphthylamine | ug/L | | | | | | | | | | | | | | | |
| 2-nitroaniline | ug/L | | | | | | | | | | | | | | | |
| 2-nitrophenol | ug/L | | | | | | | | | | | | | | | |
| 3,3´-dichlorobenzidine | ug/L | | | | | | | | | | | | | | | |
| 3,3'-dimethylbenzidine | ug/L | | | | | | | | | | | | | | | |
| 3-methylcholanthrene | ug/L | | | | | | | | | | | | | | | |
| 3-nitroaniline | ug/L | | | | | | | | | | | | | | | |
| 4,4´-ddd | ug/L | | | | | | | | | | | | | | | |
| 4,4´-dde | ug/L | | | | | | | | | | | | | | | |

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

## Table 1

### Analytical Data Summary for 3/10/2025 to 3/11/2025

| Constituents | MW-42D | MW-44 | MW-45A | MW-45D | MW-6A | MW-8B | MW-9AR | SW-1 | SW-102 | SW-2B | TILE 1 | TILE 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (3 4)-methylphenol | | <8 | | | <8 | | | | | | | |
| 1,1,1,2-tetrachloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloropropene | | <1 | | | <1 | | | | | | | |
| 1,2,3-trichloropropane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4,5-tetrachlorobenzene | | <8 | | | <8 | | | | | | | |
| 1,2,4-trichlorobenzene | | <1 | | | <1 | | | | | | | |
| 1,2-dibromo-3-chloropropane | | <1 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dinitrobenzene | | <8 | | | <8 | | | | | | | |
| 1,3,5-trinitrobenzene | | <8 | | | <8 | | | | | | | |
| 1,3-dichlorobenzene | | <1 | | | <1 | | | | | | | |
| 1,3-dichloropropane | | <1 | | | <1 | | | | | | | |
| 1,3-dinitrobenzene | | <8 | | | <8 | | | | | | | |
| 1,4-dichlorobenzene | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.5 | <1.0 |
| 1,4-naphthoquinone | | <8 | | | <8 | | | | | | | |
| 1,4-phenylenediamine | | <8 | | | <8 | | | | | | | |
| 1-naphthylamine | | <8 | | | <8 | | | | | | | |
| 2,2-dichloropropane | | <1 | | | <1 | | | | | | | |
| 2,3,4,6-tetrachlorophenol | | <8 | | | <8 | | | | | | | |
| 2,4,5-t | | <.5 | | | | | | | | | | |
| 2,4,5-tp (silvex) | | <.5 | | | | | | | | | | |
| 2,4,5-trichlorophenol | | <8 | | | <8 | | | | | | | |
| 2,4,6-trichlorophenol | | <8 | | | <8 | | | | | | | |
| 2,4-d | | <2 | | | | | | | | | | |
| 2,4-dichlorophenol | | <8 | | | <8 | | | | | | | |
| 2,4-dimethylphenol | | <8 | | | <8 | | | | | | | |
| 2,4-dinitrophenol | | <8 | | | <8 | | | | | | | |
| 2,4-dinitrotoluene | | <8 | | | <8 | | | | | | | |
| 2,6-dichlorophenol | | <8 | | | <8 | | | | | | | |
| 2,6-dinitrotoluene | | <8 | | | <8 | | | | | | | |
| 2-acetylaminofluorene | | <8 | | | <8 | | | | | | | |
| 2-butanone (mek) | | <5 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2-chloronaphthalene | | <8 | | | <8 | | | | | | | |
| 2-chlorophenol | | <8 | | | <8 | | | | | | | |
| 2-hexanone (mbk) | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 2-methylnaphthalene | | <8 | | | <8 | | | | | | | |
| 2-methylphenol | | <8 | | | <8 | | | | | | | |
| 2-naphthylamine | | <8 | | | <8 | | | | | | | |
| 2-nitroaniline | | <8 | | | <8 | | | | | | | |
| 2-nitrophenol | | <8 | | | <8 | | | | | | | |
| 3,3´-dichlorobenzidine | | <8 | | | <8 | | | | | | | |
| 3,3'-dimethylbenzidine | | <8 | | | <8 | | | | | | | |
| 3-methylcholanthrene | | <8 | | | <8 | | | | | | | |
| 3-nitroaniline | | <8 | | | <8 | | | | | | | |
| 4,4´-ddd | | <.05 | | | <.11 | | | | | | | |
| 4,4´-dde | | <.05 | | | <.11 | | | | | | | |

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

## Table 1

## Analytical Data Summary for 3/10/2025 to 3/11/2025

| Constituents | Units | GU-2 | GU-A | GU-B | LW26 | MW-11C | MW-14D | MW-15R | MW-17R | MW-18 | MW-21 | MW-28 | MW-31 | MW-32 | MW-39D | MW-41D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,4´-ddt | ug/L | | | | | | | | | | | | | | | |
| 4,6-dinitro-2-methylphenol | ug/L | | | | | | | | | | | | | | | |
| 4-aminobiphenyl | ug/L | | | | | | | | | | | | | | | |
| 4-bromophenyl phenyl ether | ug/L | | | | | | | | | | | | | | | |
| 4-chloro-3-methylphenol | ug/L | | | | | | | | | | | | | | | |
| 4-chloroaniline | ug/L | | | | | | | | | | | | | | | |
| 4-chlorophenyl phenyl ether | ug/L | | | | | | | | | | | | | | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | |
| 4-nitroaniline | ug/L | | | | | | | | | | | | | | | |
| 4-nitrophenol | ug/L | | | | | | | | | | | | | | | |
| 5-nitro-o-toluidine | ug/L | | | | | | | | | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | ug/L | | | | | | | | | | | | | | | |
| Acenaphthene | ug/L | | | | | | | | | | | | | | | |
| Acenaphthylene | ug/L | | | | | | | | | | | | | | | |
| Acetone | ug/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | | |
| Acetonitrile | ug/L | | | | | | | | | | | | | | | |
| Acetophenone | ug/L | | | | | | | | | | | | | | | |
| Acrolein | ug/L | | | | | | | | | | | | | | | |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | |
| Aldrin | ug/L | | | | | | | | | | | | | | | |
| Allyl chloride | ug/L | | | | | | | | | | | | | | | |
| Alpha-bhc | ug/L | | | | | | | | | | | | | | | |
| Anthracene | ug/L | | | | | | | | | | | | | | | |
| Antimony, total | ug/L | <2.0 | <2.0 | <2.0 | | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | | | <2.0 | <2.0 |
| Arochlor 1016 | ug/L | | | | | | | | | | | | | | | |
| Arochlor 1221 | ug/L | | | | | | | | | | | | | | | |
| Arochlor 1232 | ug/L | | | | | | | | | | | | | | | |
| Arochlor 1242 | ug/L | | | | | | | | | | | | | | | |
| Arochlor 1248 | ug/L | | | | | | | | | | | | | | | |
| Arochlor 1254 | ug/L | | | | | | | | | | | | | | | |
| Arochlor 1260 | ug/L | | | | | | | | | | | | | | | |
| Arsenic, total | ug/L | <4.0 | <4.0 | <4.0 | | <4.0 | <4.0 | 71.5 | <4.0 | <4.0 | <4.0 | 64.8 | | <4.0 | <4.0 | <4.0 |
| Azobenzene | ug/L | | | | | | | | | | | | | | | |
| Barium, total | ug/L | 79.6 | 33.3 | 181.0 | | 81.6 | 20.7 | 689.0 | 410.0 | 560.0 | 142.0 | 1340.0 | | | 26.9 | 32.7 |
| Benzene | ug/L | <1.0 | <1.0 | <1.0 | 7.1 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | <1.0 | <1.0 | <1.0 | | |
| Benzo(a)anthracene | ug/L | | | | | | | | | | | | | | | |
| Benzo(a)pyrene | ug/L | | | | | | | | | | | | | | | |
| Benzo(b)fluoranthene | ug/L | | | | | | | | | | | | | | | |
| Benzo(g,h,i)perylene | ug/L | | | | | | | | | | | | | | | |
| Benzo(k)fluoranthene | ug/L | | | | | | | | | | | | | | | |
| Benzyl alcohol | ug/L | | | | | | | | | | | | | | | |
| Beryllium, total | ug/L | <4 | <4 | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | <4 | | | <4 | <4 |
| Beta-bhc | ug/L | | | | | | | | | | | | | | | |
| Bicarbonate, as caco3 | mg/L | | | | | | | 840 | | | | | | | | |
| Bis (2-chloroethoxy) methane | ug/L | | | | | | | | | | | | | | | |
| Bis(2-chloroethyl) ether | ug/L | | | | | | | | | | | | | | | |
| Bis(2-chloroisopropyl) ether | ug/L | | | | | | | | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | ug/L | | | | | | <6 | | | | | | | | | |
| Bod (5 day) | mg/L | | | | 25 | | | | | | | | | | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Butyl benzyl phthalate | ug/L | | | | | | | | | | | | | | | |

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

## Table 1

## Analytical Data Summary for 3/10/2025 to 3/11/2025

| Constituents | MW-42D | MW-44 | MW-45A | MW-45D | MW-6A | MW-8B | MW-9AR | SW-1 | SW-102 | SW-2B | TILE 1 | TILE 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,4´-ddt | | <.05 | | | <.11 | | | | | | | |
| 4,6-dinitro-2-methylphenol | | <8 | | | <8 | | | | | | | |
| 4-aminobiphenyl | | <8 | | | <8 | | | | | | | |
| 4-bromophenyl phenyl ether | | <8 | | | <8 | | | | | | | |
| 4-chloro-3-methylphenol | | <8 | | | <8 | | | | | | | |
| 4-chloroaniline | | <8 | | | <8 | | | | | | | |
| 4-chlorophenyl phenyl ether | | <8 | | | <8 | | | | | | | |
| 4-methyl-2-pentanone (mibk) | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-nitroaniline | | <8 | | | <8 | | | | | | | |
| 4-nitrophenol | | <8 | | | <8 | | | | | | | |
| 5-nitro-o-toluidine | | <8 | | | <8 | | | | | | | |
| 7,12-dimethylbenz(a)anthracene | | <8 | | | <8 | | | | | | | |
| Acenaphthene | | <8 | | | <8 | | | | | | | |
| Acenaphthylene | | <8 | | | <8 | | | | | | | |
| Acetone | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Acetonitrile | | <10 | | | <10 | | | | | | | |
| Acetophenone | | <8 | | | <8 | | | | | | | |
| Acrolein | | <10 | | | <10 | | | | | | | |
| Acrylonitrile | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Aldrin | | <.05 | | | <.11 | | | | | | | |
| Allyl chloride | | <1 | | | <1 | | | | | | | |
| Alpha-bhc | | <.05 | | | <.11 | | | | | | | |
| Anthracene | | <8 | | | <8 | | | | | | | |
| Antimony, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 4.7 | | | | <2.0 | <2.0 |
| Arochlor 1016 | | <.20 | | | <.45 | | | | | | | |
| Arochlor 1221 | | <.20 | | | <.45 | | | | | | | |
| Arochlor 1232 | | <.20 | | | <.45 | | | | | | | |
| Arochlor 1242 | | <.20 | | | <.45 | | | | | | | |
| Arochlor 1248 | | <.20 | | | <.45 | | | | | | | |
| Arochlor 1254 | | <.20 | | | <.45 | | | | | | | |
| Arochlor 1260 | | <.20 | | | <.45 | | | | | | | |
| Arsenic, total | <4.0 | <4.0 | <4.0 | 10.0 | <4.0 | 14.4 | <4.0 | | | | <4.0 | <4.0 |
| Azobenzene | | <8 | | | <8 | | | | | | | |
| Barium, total | 29.9 | 756.0 | 92.8 | 97.3 | 85.5 | 799.0 | 118.0 | | | | 739.0 | 451.0 |
| Benzene | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.6 | <1.0 |
| Benzo(a)anthracene | | <8 | | | <8 | | | | | | | |
| Benzo(a)pyrene | | <8 | | | <8 | | | | | | | |
| Benzo(b)fluoranthene | | <8 | | | <8 | | | | | | | |
| Benzo(g,h,i)perylene | | <8 | | | <8 | | | | | | | |
| Benzo(k)fluoranthene | | <8 | | | <8 | | | | | | | |
| Benzyl alcohol | | <8 | | | <8 | | | | | | | |
| Beryllium, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | | | | <4 | <4 |
| Beta-bhc | | <.05 | | | <.11 | | | | | | | |
| Bicarbonate, as caco3 | | | | | | 819 | 460 | | | | | |
| Bis (2-chloroethoxy) methane | | <8 | | | <8 | | | | | | | |
| Bis(2-chloroethyl) ether | | <8 | | | <8 | | | | | | | |
| Bis(2-chloroisopropyl) ether | | <8 | | | <8 | | | | | | | |
| Bis(2-ethylhexyl) phthalate | | 6 * | | | <6 | | | | | | | |
| Bod (5 day) | | | | | | | | | | | | |
| Bromochloromethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Butyl benzyl phthalate | | <8 | | | <8 | | | | | | | |

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

## Table 1

## Analytical Data Summary for 3/10/2025 to 3/11/2025

| Constituents | Units | GU-2 | GU-A | GU-B | LW26 | MW-11C | MW-14D | MW-15R | MW-17R | MW-18 | MW-21 | MW-28 | MW-31 | MW-32 | MW-39D | MW-41D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cadmium, total | ug/L | <.8 | 1.0 | 1.6 | | <.8 | <.8 | <.8 | <.8 | 1.2 | <.8 | <.8 | | | <.8 | <.8 |
| Carbon disulfide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Chemical oxygen demand | mg/L | | | | 623 | | | | | | | | | | | |
| Chlordane | ug/L | | | | | | | | | | | | | | | |
| Chloride | mg/L | | | | 899 | | | | | | | | | | | |
| Chlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | 7.9 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | <1.0 | <1.0 | 1.4 | | |
| Chlorobenzilate | ug/L | | | | | | | | | | | | | | | |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Chloroprene | ug/L | | | | | | | | | | | | | | | |
| Chromium, total | ug/L | <8 | <8 | <8 | | <8 | <8 | <8 | <8 | <8 | <8 | <8 | | | <8 | <8 |
| Chrysene | ug/L | | | | | | | | | | | | | | | |
| Cis-1,2-dichloroethylene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | 4.9 | <1.0 | <1.0 | | |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Cobalt, total | ug/L | .5 | .7 | 1.0 | 14.3 | <.4 | 2.6 | 1.2 | 1.9 | .4 | <.4 | 59.0 | | | 1.1 | 1.3 |
| Copper, total | ug/L | <4.0 | <4.0 | <4.0 | | <4.0 | <4.0 | <4.0 | <4.0 | 4.1 | <4.0 | <4.0 | | | <4.0 | <4.0 |
| Cyanide, total | mg/L | | | | | | | | | | | | | | | |
| Delta-bhc | ug/L | | | | | | | | | | | | | | | |
| Diallate | ug/L | | | | | | | | | | | | | | | |
| Dibenzo(a,h)anthracene | ug/L | | | | | | | | | | | | | | | |
| Dibenzofuran | ug/L | | | | | | | | | | | | | | | |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Dichlorodifluoromethane | ug/L | | | | | | | | | | | | | | | |
| Dieldrin | ug/L | | | | | | | | | | | | | | | |
| Diethyl phthalate | ug/L | | | | | | | | | | | | | | | |
| Dimethoate | ug/L | | | | | | | | | | | | | | | |
| Dimethylphthalate | ug/L | | | | | | | | | | | | | | | |
| Di-n-butyl phthalate | ug/L | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | ug/L | | | | | | | | | | | | | | | |
| Dinoseb | ug/L | | | | | | | | | | | | | | | |
| Diphenylamine | ug/L | | | | | | | | | | | | | | | |
| Disulfoton | ug/L | | | | | | | | | | | | | | | |
| Endosulfan i | ug/L | | | | | | | | | | | | | | | |
| Endosulfan ii | ug/L | | | | | | | | | | | | | | | |
| Endosulfan sulfate | ug/L | | | | | | | | | | | | | | | |
| Endrin | ug/L | | | | | | | | | | | | | | | |
| Endrin aldehyde | ug/L | | | | | | | | | | | | | | | |
| Ethane | ug/L | | | | <5 | | | <5 | | | | | | | | |
| Ethene | ug/L | | | | <5 | | | <5 | | | | | | | | |
| Ethyl methacrylate | ug/L | | | | | | | | | | | | | | | |
| Ethyl methanesulfonate | ug/L | | | | | | | | | | | | | | | |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Famphur | ug/L | | | | | | | | | | | | | | | |
| Fluoranthene | ug/L | | | | | | | | | | | | | | | |
| Fluorene | ug/L | | | | | | | | | | | | | | | |
| Gamma-bhc (lindane) | ug/L | | | | | | | | | | | | | | | |
| Heptachlor | ug/L | | | | | | | | | | | | | | | |
| Heptachlor epoxide | ug/L | | | | | | | | | | | | | | | |
| Hexachlorobenzene | ug/L | | | | | | | | | | | | | | | |
| Hexachlorobutadiene | ug/L | | | | | | | | | | | | | | | |
| Hexachlorocyclopentadiene | ug/L | | | | | | | | | | | | | | | |

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

## Table 1

### Analytical Data Summary for 3/10/2025 to 3/11/2025

| Constituents | MW-42D | MW-44 | MW-45A | MW-45D | MW-6A | MW-8B | MW-9AR | SW-1 | SW-102 | SW-2B | TILE 1 | TILE 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cadmium, total | <.8 | <.8 | <.8 | <.8 | <.8 | <.8 | 11.5 | | | | <.8 | <.8 |
| Carbon disulfide | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chemical oxygen demand | | | | | | | | | | | | |
| Chlordane | | <.10 | | | <.23 | | | | | | | |
| Chloride | | | | | | | | | | | | |
| Chlorobenzene | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 5.7 | <1.0 |
| Chlorobenzilate | | <8 | | | <8 | | | | | | | |
| Chloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroprene | | <1 | | | <1 | | | | | | | |
| Chromium, total | <8 | <8 | <8 | <8 | <8 | <8 | <8 | | | | <8 | <8 |
| Chrysene | | <8 | | | <8 | | | | | | | |
| Cis-1,2-dichloroethylene | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 56.4 | <1.0 | <1.0 | <1.0 | <1.0 | 1.1 |
| Cis-1,3-dichloropropene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | <.4 | .6 | <.4 | 1.1 | 6.8 | 11.9 | .4 | | | | 2.1 | .6 |
| Copper, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 5.1 | | | | <4.0 | <4.0 |
| Cyanide, total | | <.01 | | | <.01 | | | | | | | |
| Delta-bhc | | <.05 | | | <.11 | | | | | | | |
| Diallate | | <8 | | | <8 | | | | | | | |
| Dibenzo(a,h)anthracene | | <8 | | | <8 | | | | | | | |
| Dibenzofuran | | <8 | | | <8 | | | | | | | |
| Dibromochloromethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | | <1 | | | <1 | | | | | | | |
| Dieldrin | | <.05 | | | <.11 | | | | | | | |
| Diethyl phthalate | | <8 | | | <8 | | | | | | | |
| Dimethoate | | <.4 | | | | | | | | | | |
| Dimethylphthalate | | <8 | | | <8 | | | | | | | |
| Di-n-butyl phthalate | | <8 | | | <8 | | | | | | | |
| Di-n-octyl phthalate | | <8 | | | <8 | | | | | | | |
| Dinoseb | | <.5 | | | | | | | | | | |
| Diphenylamine | | <8 | | | <8 | | | | | | | |
| Disulfoton | | <.4 | | | | | | | | | | |
| Endosulfan i | | <.05 | | | <.11 | | | | | | | |
| Endosulfan ii | | <.05 | | | <.11 | | | | | | | |
| Endosulfan sulfate | | <.05 | | | <.11 | | | | | | | |
| Endrin | | <.05 | | | <.11 | | | | | | | |
| Endrin aldehyde | | <.05 | | | <.11 | | | | | | | |
| Ethane | | | | | | <5 | <5 | | | | | |
| Ethene | | | | | | <5 | <5 | | | | | |
| Ethyl methacrylate | | <10 | | | <10 | | | | | | | |
| Ethyl methanesulfonate | | <8 | | | <8 | | | | | | | |
| Ethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Famphur | | <.4 | | | | | | | | | | |
| Fluoranthene | | <8 | | | <8 | | | | | | | |
| Fluorene | | <8 | | | <8 | | | | | | | |
| Gamma-bhc (lindane) | | <.05 | | | <.11 | | | | | | | |
| Heptachlor | | <.05 | | | <.11 | | | | | | | |
| Heptachlor epoxide | | <.05 | | | <.11 | | | | | | | |
| Hexachlorobenzene | | <.05 | | | <.11 | | | | | | | |
| Hexachlorobutadiene | | <8 | | | <8 | | | | | | | |
| Hexachlorocyclopentadiene | | <8 | | | <8 | | | | | | | |

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

## Table 1

## Analytical Data Summary for 3/10/2025 to 3/11/2025

| Constituents | Units | GU-2 | GU-A | GU-B | LW26 | MW-11C | MW-14D | MW-15R | MW-17R | MW-18 | MW-21 | MW-28 | MW-31 | MW-32 | MW-39D | MW-41D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | ug/L | | | | | | | | | | | | | | | |
| Hexachloropropene | ug/L | | | | | | | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/L | | | | | | | | | | | | | | | |
| Isobutanol | mg/L | | | | | | | | | | | | | | | |
| Isodrin | ug/L | | | | | | | | | | | | | | | |
| Isophorone | ug/L | | | | | | | | | | | | | | | |
| Isosafrole | ug/L | | | | | | | | | | | | | | | |
| Kepone | ug/L | | | | | | | | | | | | | | | |
| Lead, total | ug/L | <4 | <4 | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | <4 | | | <4 | <4 |
| Mercury, total | ug/L | | | | | | | | | | | | | | | |
| Methacrylonitrile | ug/L | | | | | | | | | | | | | | | |
| Methane | ug/L | | | | 6550.0 | | | 7630.0 | | | | | | | | |
| Methapyrilene | ug/L | | | | | | | | | | | | | | | |
| Methoxychlor | ug/L | | | | | | | | | | | | | | | |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <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 | | <5 | <5 | <5 | <5 | | |
| Naphthalene | ug/L | | | | | | | | | | | | | | | |
| Nickel, total | ug/L | 14.8 | 54.0 | 18.3 | | <4.0 | <4.0 | 4.2 | 22.5 | 12.0 | <4.0 | 24.0 | | | <4.0 | <4.0 |
| Nitrobenzene | ug/L | | | | | | | | | | | | | | | |
| Nitrogen, ammonia | mg/L | | | | 237 | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | |
| pH | pH | | | | | | | 6.6 | | | | | | | | |
| Phenacetin | ug/L | | | | | | | | | | | | | | | |
| Phenanthrene | ug/L | | | | | | | | | | | | | | | |
| Phenol | ug/L | | | | | | | | | | | | | | | |
| Phorate | ug/L | | | | | | | | | | | | | | | |
| Pronamide | ug/L | | | | | | | | | | | | | | | |
| Propionitrile | ug/L | | | | | | | | | | | | | | | |
| Pyrene | ug/L | | | | | | | | | | | | | | | |
| Safrole | ug/L | | | | | | | | | | | | | | | |
| Selenium, total | ug/L | 1160.0 | 8.1 | 33.6 | | <4.0 | <4.0 | <4.0 | <4.0 | 9.6 | <4.0 | <4.0 | | | <4.0 | <4.0 |
| Silver, total | ug/L | <4 | <4 | <4 | | <4 | <4 | <4 | <4 | <4 | <4 | <4 | | | <4 | <4 |
| Solids, total dissolved | mg/L | | | | 2550 | | | | | | | | | | | |
| Solids, total suspended | mg/L | | | | 71 | | | | | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Sulfate | mg/L | | | | 3.1 | | | | | | | | | | | |
| Sulfide, total | mg/L | | | | | | | | | | | | | | | |

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

## Table 1

### Analytical Data Summary for 3/10/2025 to 3/11/2025

| Constituents | MW-42D | MW-44 | MW-45A | MW-45D | MW-6A | MW-8B | MW-9AR | SW-1 | SW-102 | SW-2B | TILE 1 | TILE 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | | <8 | | | <8 | | | | | | | |
| Hexachloropropene | | <8 | | | <8 | | | | | | | |
| Indeno(1,2,3-cd)pyrene | | <8 | | | <8 | | | | | | | |
| Isobutanol | | <1 | | | <1 | | | | | | | |
| Isodrin | | <8 | | | <8 | | | | | | | |
| Isophorone | | <8 | | | <8 | | | | | | | |
| Isosafrole | | <8 | | | <8 | | | | | | | |
| Kepone | | <8 | | | <8 | | | | | | | |
| Lead, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | | | | <4 | <4 |
| Mercury, total | | <.5 | | | <.5 | | | | | | | |
| Methacrylonitrile | | <1 | | | <1 | | | | | | | |
| Methane | | | | | | 80.6 | 146.0 | | | | | |
| Methapyrilene | | <8 | | | <8 | | | | | | | |
| Methoxychlor | | <.05 | | | <.11 | | | | | | | |
| Methyl iodide | | <2 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl methacrylate | | <1 | | | <1 | | | | | | | |
| Methyl methanesulfonate | | <8 | | | <8 | | | | | | | |
| Methyl parathion | | <.4 | | | | | | | | | | |
| Methylene chloride | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <8 | | | <8 | | | | | | | |
| Nickel, total | <4.0 | <4.0 | <4.0 | <4.0 | 22.8 | 6.8 | <4.0 | | | | 9.7 | 4.0 |
| Nitrobenzene | | <8 | | | <8 | | | | | | | |
| Nitrogen, ammonia | | | | | | | | | | | | |
| N-nitrosodiethylamine | | <8 | | | <8 | | | | | | | |
| N-nitrosodimethylamine | | <8 | | | <8 | | | | | | | |
| N-nitrosodi-n-butylamine | | <8 | | | <8 | | | | | | | |
| N-nitroso-di-n-propylamine | | <8 | | | <8 | | | | | | | |
| N-nitrosodiphenylamine | | <8 | | | <8 | | | | | | | |
| N-nitrosomethylethylamine | | <8 | | | <8 | | | | | | | |
| N-nitrosopiperidine | | <8 | | | <8 | | | | | | | |
| N-nitrosopyrrolidine | | <8 | | | <8 | | | | | | | |
| O,o,o-triethyl phosphorothioate | | <.4 | | | | | | | | | | |
| O-toluidine | | <8 | | | <8 | | | | | | | |
| Parathion | | <.4 | | | | | | | | | | |
| P-dimethylaminoazobenzene | | <8 | | | <8 | | | | | | | |
| Pentachlorobenzene | | <8 | | | <8 | | | | | | | |
| Pentachloronitrobenzene (pcnb) | | <8 | | | <8 | | | | | | | |
| Pentachlorophenol | | <8 | | | <8 | | | | | | | |
| pH | | | | | | 6.7 | 6.8 | | | | | |
| Phenacetin | | <8 | | | <8 | | | | | | | |
| Phenanthrene | | <8 | | | <8 | | | | | | | |
| Phenol | | <8 | | | <8 | | | | | | | |
| Phorate | | <.4 | | | | | | | | | | |
| Pronamide | | <8 | | | <8 | | | | | | | |
| Propionitrile | | <10 | | | <10 | | | | | | | |
| Pyrene | | <8 | | | <8 | | | | | | | |
| Safrole | | <8 | | | <8 | | | | | | | |
| Selenium, total | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 23.1 | | | | <4.0 | <4.0 |
| Silver, total | <4 | <4 | <4 | <4 | <4 | <4 | <4 | | | | <4 | <4 |
| Solids, total dissolved | | | | | | | | | | | | |
| Solids, total suspended | | | | | | | | | | | | |
| Styrene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | | | | | | | | | | | | |
| Sulfide, total | | <.1 | | | <.1 | | | | | | | |

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

## Table 1

## Analytical Data Summary for 3/10/2025 to 3/11/2025

| Constituents | Units | GU-2 | GU-A | GU-B | LW26 | MW-11C | MW-14D | MW-15R | MW-17R | MW-18 | MW-21 | MW-28 | MW-31 | MW-32 | MW-39D | MW-41D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Thallium, total | ug/L | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | <2 |
| Thionazin | ug/L | | | | | | | | | | | | | | | |
| Tin, total | ug/L | | | | | | | | | | | | | | | |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Toxaphene | ug/L | | | | | | | | | | | | | | | |
| 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 | | |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | |
| Trichloroethylene | ug/L | <1.0 | <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 | | |
| Vanadium, total | ug/L | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | | | <20 | <20 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | |
| Xylenes, total | ug/L | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | |
| Zinc, total | ug/L | 53.5 | 1720.0 | 70.2 | | <20.0 | <20.0 | <20.0 | <20.0 | 34.1 | <20.0 | <20.0 | | | <20.0 | <20.0 |

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

## Table 1

### Analytical Data Summary for 3/10/2025 to 3/11/2025

| Constituents | MW-42D | MW-44 | MW-45A | MW-45D | MW-6A | MW-8B | MW-9AR | SW-1 | SW-102 | SW-2B | TILE 1 | TILE 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethylene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | <2 | <2 |
| Thionazin | | <.4 | | | | | | | | | | |
| Tin, total | | <20 | | | <20 | | | | | | | |
| Toluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toxaphene | | <.20 | | | <.45 | | | | | | | |
| Trans-1,2-dichloroethylene | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trans-1,3-dichloropropene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 6.6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <20 | <20 | <20 | <20 | <20 | <20 | <20 | | | | <20 | <20 |
| Vinyl acetate | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | <20.0 | <20.0 | 32.8 | <20.0 | <20.0 | <20.0 | 154.0 | | | | <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
Shallow Ground Water

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | MW-18 | 09/23/2014 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 12/02/2014 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/19/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 06/17/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 08/27/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/03/2016 | | 2.6000 | | |
| Antimony, total | ug/L | MW-18 | 09/20/2016 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/09/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 09/14/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/12/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 09/10/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/26/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 09/16/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/24/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 09/02/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/08/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 09/14/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/28/2022 | | 2.1000 | | |
| Antimony, total | ug/L | MW-18 | 09/13/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/23/2023 | | 4.2000 | | |
| Antimony, total | ug/L | MW-18 | 09/05/2023 | | 5.5000 | | |
| Antimony, total | ug/L | MW-18 | 09/18/2024 | | 2.4000 | | |
| Antimony, total | ug/L | MW-18 | 03/11/2025 | ND | 2.0000 | | |
| Arsenic, total | ug/L | MW-18 | 09/23/2014 | | 23.0000 | | |
| Arsenic, total | ug/L | MW-18 | 12/02/2014 | | 38.7000 | | |
| Arsenic, total | ug/L | MW-18 | 03/19/2015 | | 30.7000 | | |
| Arsenic, total | ug/L | MW-18 | 06/17/2015 | | 53.7000 | | |
| Arsenic, total | ug/L | MW-18 | 08/27/2015 | | 26.8000 | | |
| Arsenic, total | ug/L | MW-18 | 03/03/2016 | | 97.7000 | | * |
| Arsenic, total | ug/L | MW-18 | 09/20/2016 | | 33.2000 | | |
| Arsenic, total | ug/L | MW-18 | 03/09/2017 | | 34.0000 | | |
| Arsenic, total | ug/L | MW-18 | 07/12/2017 | | 22.3000 | | |
| Arsenic, total | ug/L | MW-18 | 09/14/2017 | | 8.3000 | | |
| Arsenic, total | ug/L | MW-18 | 12/13/2017 | | 7.2000 | | |
| Arsenic, total | ug/L | MW-18 | 03/12/2018 | | 11.6000 | | |
| Arsenic, total | ug/L | MW-18 | 09/10/2018 | | 11.4000 | | |
| Arsenic, total | ug/L | MW-18 | 03/26/2019 | | 26.1000 | | |
| Arsenic, total | ug/L | MW-18 | 09/16/2019 | | 13.0000 | | |
| Arsenic, total | ug/L | MW-18 | 03/24/2020 | | 10.7000 | | |
| Arsenic, total | ug/L | MW-18 | 09/02/2020 | | 14.3000 | | |
| Arsenic, total | ug/L | MW-18 | 03/08/2021 | | 14.2000 | | |
| Arsenic, total | ug/L | MW-18 | 09/14/2021 | | 15.3000 | | |
| Arsenic, total | ug/L | MW-18 | 03/28/2022 | | 26.8000 | | |
| Arsenic, total | ug/L | MW-18 | 09/13/2022 | | 34.0000 | | |
| Arsenic, total | ug/L | MW-18 | 03/23/2023 | | 79.4000 | | * |
| Arsenic, total | ug/L | MW-18 | 09/05/2023 | | 26.8000 | | |
| Arsenic, total | ug/L | MW-18 | 09/18/2024 | | 4.8000 | | |
| Arsenic, total | ug/L | MW-18 | 03/11/2025 | ND | 4.0000 | | |
| Barium, total | ug/L | MW-18 | 09/23/2014 | | 407.0000 | | |
| Barium, total | ug/L | MW-18 | 12/02/2014 | | 459.0000 | | |
| Barium, total | ug/L | MW-18 | 03/19/2015 | | 436.0000 | | |
| Barium, total | ug/L | MW-18 | 06/17/2015 | | 377.0000 | | |
| Barium, total | ug/L | MW-18 | 08/27/2015 | | 392.0000 | | |
| Barium, total | ug/L | MW-18 | 03/03/2016 | | 486.0000 | | |
| Barium, total | ug/L | MW-18 | 09/20/2016 | | 320.0000 | | |
| Barium, total | ug/L | MW-18 | 03/09/2017 | | 465.0000 | | |
| Barium, total | ug/L | MW-18 | 09/14/2017 | | 452.0000 | | |
| Barium, total | ug/L | MW-18 | 03/12/2018 | | 410.0000 | | |
| Barium, total | ug/L | MW-18 | 09/10/2018 | | 374.0000 | | |
| Barium, total | ug/L | MW-18 | 03/26/2019 | | 352.0000 | | |
| Barium, total | ug/L | MW-18 | 09/16/2019 | | 559.0000 | | |
| Barium, total | ug/L | MW-18 | 03/24/2020 | | 330.0000 | | |
| Barium, total | ug/L | MW-18 | 09/02/2020 | | 478.0000 | | |
| Barium, total | ug/L | MW-18 | 03/08/2021 | | 463.0000 | | |
| Barium, total | ug/L | MW-18 | 09/14/2021 | | 499.0000 | | |
| Barium, total | ug/L | MW-18 | 03/28/2022 | | 479.0000 | | |
| Barium, total | ug/L | MW-18 | 09/13/2022 | | 551.0000 | | |
| Barium, total | ug/L | MW-18 | 03/23/2023 | | 655.0000 | | |
| Barium, total | ug/L | MW-18 | 09/05/2023 | | 509.0000 | | |
| Barium, total | ug/L | MW-18 | 09/18/2024 | | 477.0000 | | |
| Barium, total | ug/L | MW-18 | 03/11/2025 | | 560.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/23/2014 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/19/2015 | 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 | |
|---|---|---|---|---|---|---|---|
| Beryllium, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/14/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/10/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/26/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/16/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/24/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/14/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/28/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/13/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/23/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/05/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/18/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/11/2025 | ND | 4.0000 | | |
| Cadmium, total | ug/L | MW-18 | 09/23/2014 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 12/02/2014 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/19/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 06/17/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 08/27/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/03/2016 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/20/2016 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/09/2017 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/14/2017 | | 1.3000 | | |
| Cadmium, total | ug/L | MW-18 | 03/12/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/10/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/26/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/16/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/24/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/14/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/28/2022 | | 1.3000 | | |
| Cadmium, total | ug/L | MW-18 | 09/13/2022 | | 1.1000 | | |
| Cadmium, total | ug/L | MW-18 | 03/23/2023 | | 3.9000 | | * |
| Cadmium, total | ug/L | MW-18 | 09/05/2023 | | 1.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/18/2024 | | 2.5000 | | * |
| Cadmium, total | ug/L | MW-18 | 03/11/2025 | | 1.2000 | | |
| Chromium, total | ug/L | MW-18 | 09/23/2014 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 12/02/2014 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/19/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 06/17/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 08/27/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/03/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/20/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/09/2017 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/14/2017 | | 10.4000 | | |
| Chromium, total | ug/L | MW-18 | 03/12/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/10/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/26/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/16/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/24/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/08/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/14/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/28/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/13/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/23/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/05/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/18/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/11/2025 | ND | 8.0000 | | |
| Cobalt, total | ug/L | MW-18 | 09/23/2014 | | 0.8000 | | |
| Cobalt, total | ug/L | MW-18 | 12/02/2014 | | 1.2000 | | |
| Cobalt, total | ug/L | MW-18 | 03/19/2015 | | 1.3000 | | |
| Cobalt, total | ug/L | MW-18 | 06/17/2015 | | 1.4000 | | |
| Cobalt, total | ug/L | MW-18 | 08/27/2015 | | 0.9000 | | |
| Cobalt, total | ug/L | MW-18 | 03/03/2016 | | 2.1000 | | |
| Cobalt, total | ug/L | MW-18 | 09/20/2016 | | 3.5000 | | |
| Cobalt, total | ug/L | MW-18 | 03/09/2017 | | 1.9000 | | |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Cobalt, total | ug/L | MW-18 | 09/14/2017 | | 3.1000 | | |
| Cobalt, total | ug/L | MW-18 | 03/12/2018 | ND | 2.0000 | 0.8000 | ** |
| Cobalt, total | ug/L | MW-18 | 09/10/2018 | | 0.9000 | | |
| Cobalt, total | ug/L | MW-18 | 03/26/2019 | | 1.6000 | | |
| Cobalt, total | ug/L | MW-18 | 09/16/2019 | | 1.0000 | | |
| Cobalt, total | ug/L | MW-18 | 03/24/2020 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-18 | 09/02/2020 | | 0.8000 | | |
| Cobalt, total | ug/L | MW-18 | 03/08/2021 | | 1.1000 | | |
| Cobalt, total | ug/L | MW-18 | 09/14/2021 | | 1.7000 | | |
| Cobalt, total | ug/L | MW-18 | 03/28/2022 | | 0.7000 | | |
| Cobalt, total | ug/L | MW-18 | 09/13/2022 | | 7.2000 | | |
| Cobalt, total | ug/L | MW-18 | 03/23/2023 | | 2.9000 | | |
| Cobalt, total | ug/L | MW-18 | 09/05/2023 | | 2.2000 | | |
| Cobalt, total | ug/L | MW-18 | 09/18/2024 | | 2.3000 | | |
| Cobalt, total | ug/L | MW-18 | 03/11/2025 | | 0.4000 | | |
| Copper, total | ug/L | MW-18 | 09/23/2014 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/19/2015 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/14/2017 | | 6.3000 | | |
| Copper, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/10/2018 | | 5.2000 | | |
| Copper, total | ug/L | MW-18 | 03/26/2019 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/16/2019 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/24/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/14/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/28/2022 | | 6.7000 | | |
| Copper, total | ug/L | MW-18 | 09/13/2022 | | 12.0000 | | |
| Copper, total | ug/L | MW-18 | 03/23/2023 | | 9.9000 | | |
| Copper, total | ug/L | MW-18 | 09/05/2023 | | 5.9000 | | |
| Copper, total | ug/L | MW-18 | 09/18/2024 | | 4.7000 | | |
| Copper, total | ug/L | MW-18 | 03/11/2025 | | 4.1000 | | |
| Lead, total | ug/L | MW-18 | 09/23/2014 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/19/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/14/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/10/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/26/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/16/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/24/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/14/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/28/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/13/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/23/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/05/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/18/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/11/2025 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-18 | 09/23/2014 | | 5.0000 | | |
| Nickel, total | ug/L | MW-18 | 12/02/2014 | | 5.4000 | | |
| Nickel, total | ug/L | MW-18 | 03/19/2015 | | 6.3000 | | |
| Nickel, total | ug/L | MW-18 | 06/17/2015 | | 10.3000 | | |
| Nickel, total | ug/L | MW-18 | 08/27/2015 | | 6.8000 | | |
| Nickel, total | ug/L | MW-18 | 03/03/2016 | | 12.7000 | | |
| Nickel, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-18 | 03/09/2017 | | 5.3000 | | |
| Nickel, total | ug/L | MW-18 | 09/14/2017 | | 16.1000 | | |
| Nickel, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-18 | 09/10/2018 | | 4.4000 | | |
| Nickel, total | ug/L | MW-18 | 03/26/2019 | | 7.2000 | | |
| Nickel, total | ug/L | MW-18 | 09/16/2019 | | 4.7000 | | |

* - 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-18 | 03/24/2020 | | 4.4000 | | |
| Nickel, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-18 | 09/14/2021 | | 10.7000 | | |
| Nickel, total | ug/L | MW-18 | 03/28/2022 | | 8.4000 | | |
| Nickel, total | ug/L | MW-18 | 09/13/2022 | | 11.3000 | | |
| Nickel, total | ug/L | MW-18 | 03/23/2023 | | 23.8000 | | |
| Nickel, total | ug/L | MW-18 | 09/05/2023 | | 14.0000 | | |
| Nickel, total | ug/L | MW-18 | 09/18/2024 | | 33.6000 | | |
| Nickel, total | ug/L | MW-18 | 03/11/2025 | | 12.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/23/2014 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/19/2015 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/14/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/10/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/26/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/16/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/24/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/28/2022 | | 5.1000 | | |
| Selenium, total | ug/L | MW-18 | 09/13/2022 | | 8.7000 | | |
| Selenium, total | ug/L | MW-18 | 03/23/2023 | | 16.2000 | | |
| Selenium, total | ug/L | MW-18 | 09/05/2023 | | 8.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/18/2024 | | 8.9000 | | |
| Selenium, total | ug/L | MW-18 | 03/11/2025 | | 9.6000 | | |
| Silver, total | ug/L | MW-18 | 09/23/2014 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/19/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/14/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/10/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/26/2019 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/16/2019 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/24/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/28/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/13/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/23/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/05/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/11/2025 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 09/23/2014 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 03/19/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 09/14/2017 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 09/10/2018 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 03/26/2019 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/16/2019 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 03/24/2020 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/02/2020 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 03/08/2021 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/14/2021 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 03/28/2022 | ND | 2.0000 | 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 | |
|---|---|---|---|---|---|---|---|
| Thallium, total | ug/L | MW-18 | 09/13/2022 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 03/23/2023 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/05/2023 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/18/2024 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 03/11/2025 | ND | 2.0000 | 4.0000 | ** |
| Vanadium, total | ug/L | MW-18 | 09/23/2014 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 12/02/2014 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/19/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 06/17/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 08/27/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/03/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/20/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/09/2017 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/14/2017 | | 30.7000 | | |
| Vanadium, total | ug/L | MW-18 | 03/12/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/10/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/26/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/16/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/24/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/02/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/14/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/28/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/13/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/23/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/05/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/11/2025 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-18 | 09/23/2014 | | 11.9000 | | |
| Zinc, total | ug/L | MW-18 | 12/02/2014 | | 11.3000 | | |
| Zinc, total | ug/L | MW-18 | 03/19/2015 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-18 | 06/17/2015 | | 23.7000 | | |
| Zinc, total | ug/L | MW-18 | 08/27/2015 | | 13.5000 | | |
| Zinc, total | ug/L | MW-18 | 03/03/2016 | | 18.8000 | | |
| Zinc, total | ug/L | MW-18 | 09/20/2016 | | 8.7000 | | |
| Zinc, total | ug/L | MW-18 | 03/09/2017 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-18 | 09/14/2017 | | 53.3000 | | |
| Zinc, total | ug/L | MW-18 | 03/12/2018 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-18 | 09/10/2018 | | 27.3000 | | |
| Zinc, total | ug/L | MW-18 | 03/26/2019 | | 13.7000 | | |
| Zinc, total | ug/L | MW-18 | 09/16/2019 | | 20.6000 | | |
| Zinc, total | ug/L | MW-18 | 03/24/2020 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-18 | 09/02/2020 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-18 | 03/08/2021 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-18 | 09/14/2021 | | 34.6000 | | |
| Zinc, total | ug/L | MW-18 | 03/28/2022 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-18 | 09/13/2022 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-18 | 03/23/2023 | | 51.2000 | | |
| Zinc, total | ug/L | MW-18 | 09/05/2023 | | 48.1000 | | |
| Zinc, total | ug/L | MW-18 | 09/18/2024 | | 73.5000 | | |
| Zinc, total | ug/L | MW-18 | 03/11/2025 | | 34.1000 | | |
| Antimony, total | ug/L | MW-34A | 03/11/2025 | ND | 2.0000 | | |
| Arsenic, total | ug/L | MW-34A | 03/11/2025 | | 13.8000 | | |
| Barium, total | ug/L | MW-34A | 03/11/2025 | | 41.9000 | | |
| Beryllium, total | ug/L | MW-34A | 03/11/2025 | ND | 4.0000 | | |
| Cadmium, total | ug/L | MW-34A | 03/11/2025 | ND | 0.8000 | | |
| Chromium, total | ug/L | MW-34A | 03/11/2025 | ND | 8.0000 | | |
| Cobalt, total | ug/L | MW-34A | 03/11/2025 | | 4.0000 | | |
| Copper, total | ug/L | MW-34A | 03/11/2025 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-34A | 03/11/2025 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-34A | 03/11/2025 | | 10.9000 | | |
| Selenium, total | ug/L | MW-34A | 03/11/2025 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-34A | 03/11/2025 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-34A | 03/11/2025 | ND | 2.0000 | 4.0000 | ** |
| Vanadium, total | ug/L | MW-34A | 03/11/2025 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-34A | 03/11/2025 | ND | 20.0000 | 8.0000 | ** |
| Antimony, total | ug/L | MW-4A | 09/23/2014 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 12/02/2014 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/19/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 06/17/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 08/27/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/03/2016 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 09/20/2016 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/09/2017 | ND | 2.0000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | MW-4A | 09/14/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/12/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 09/10/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/26/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 09/16/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/24/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 09/02/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/08/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 09/14/2021 | ND | 2.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/19/2015 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Barium, total | ug/L | MW-4A | 09/23/2014 | | 367.0000 | | |
| Barium, total | ug/L | MW-4A | 12/02/2014 | | 418.0000 | | |
| Barium, total | ug/L | MW-4A | 03/19/2015 | | 322.0000 | | |
| Barium, total | ug/L | MW-4A | 06/17/2015 | | 267.0000 | | |
| Barium, total | ug/L | MW-4A | 08/27/2015 | | 390.0000 | | |
| Barium, total | ug/L | MW-4A | 03/03/2016 | | 378.0000 | | |
| Barium, total | ug/L | MW-4A | 09/20/2016 | | 380.0000 | | |
| Barium, total | ug/L | MW-4A | 03/09/2017 | | 265.0000 | | |
| Barium, total | ug/L | MW-4A | 09/14/2017 | | 365.0000 | | |
| Barium, total | ug/L | MW-4A | 03/12/2018 | | 313.0000 | | |
| Barium, total | ug/L | MW-4A | 09/10/2018 | | 316.0000 | | |
| Barium, total | ug/L | MW-4A | 03/26/2019 | | 232.0000 | | |
| Barium, total | ug/L | MW-4A | 09/16/2019 | | 346.0000 | | |
| Barium, total | ug/L | MW-4A | 03/24/2020 | | 250.0000 | | |
| Barium, total | ug/L | MW-4A | 09/02/2020 | | 360.0000 | | |
| Barium, total | ug/L | MW-4A | 03/08/2021 | | 296.0000 | | |
| Barium, total | ug/L | MW-4A | 09/14/2021 | | 344.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/19/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Cadmium, total | ug/L | MW-4A | 09/23/2014 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 12/02/2014 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/19/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 06/17/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 08/27/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/03/2016 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 09/20/2016 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/09/2017 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 09/14/2017 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/12/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 09/10/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/26/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 09/16/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/24/2020 | ND | 0.8000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Cadmium, total | ug/L | MW-4A | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 09/14/2021 | ND | 0.8000 | | |
| Chromium, total | ug/L | MW-4A | 09/23/2014 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 12/02/2014 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/19/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 06/17/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 08/27/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/03/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/20/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/09/2017 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/14/2017 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/12/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/10/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/26/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/16/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/24/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/08/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/14/2021 | ND | 8.0000 | | |
| Cobalt, total | ug/L | MW-4A | 09/23/2014 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 12/02/2014 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/19/2015 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 06/17/2015 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 08/27/2015 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/03/2016 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 09/20/2016 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/09/2017 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 09/14/2017 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/12/2018 | ND | 2.0000 | 0.8000 | ** |
| Cobalt, total | ug/L | MW-4A | 09/10/2018 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/26/2019 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 09/16/2019 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/24/2020 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 09/02/2020 | ND | 0.4000 | 0.8000 | ** |
| Cobalt, total | ug/L | MW-4A | 03/08/2021 | ND | 0.4000 | 0.8000 | ** |
| Cobalt, total | ug/L | MW-4A | 09/14/2021 | ND | 0.4000 | 0.8000 | ** |
| Copper, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/19/2015 | | 30.1000 | | * |
| Copper, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/19/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/19/2015 | 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-4A | 06/17/2015 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/19/2015 | | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/19/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 03/19/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 03/26/2019 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-4A | 09/16/2019 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-4A | 03/24/2020 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-4A | 09/02/2020 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-4A | 03/08/2021 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-4A | 09/14/2021 | ND | 2.0000 | 4.0000 | ** |
| Vanadium, total | ug/L | MW-4A | 09/23/2014 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 12/02/2014 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/19/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 06/17/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 08/27/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/03/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/20/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/09/2017 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/14/2017 | ND | 20.0000 | | |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Vanadium, total | ug/L | MW-4A | 03/12/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/10/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/26/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/16/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/24/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/02/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/14/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-4A | 09/23/2014 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 12/02/2014 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 03/19/2015 | | 14.7000 | | |
| Zinc, total | ug/L | MW-4A | 06/17/2015 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 08/27/2015 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 03/03/2016 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 09/20/2016 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 03/09/2017 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 09/14/2017 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 03/12/2018 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 09/10/2018 | | 14.1000 | | |
| Zinc, total | ug/L | MW-4A | 03/26/2019 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 09/16/2019 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-4A | 03/24/2020 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-4A | 09/02/2020 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-4A | 03/08/2021 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-4A | 09/14/2021 | ND | 20.0000 | 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 2

## Most Current Downgradient Monitoring Data

| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | GU-2 | 03/10/2025 | ND | 2.0000 | | 5.5000 |
| Arsenic, total | ug/L | GU-2 | 03/10/2025 | ND | 4.0000 | | 47.0528 |
| Barium, total | ug/L | GU-2 | 03/10/2025 | | 79.6000 | | 660.3102 |
| Beryllium, total | ug/L | GU-2 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | GU-2 | 03/10/2025 | ND | 0.8000 | | 1.8000 |
| Chromium, total | ug/L | GU-2 | 03/10/2025 | ND | 8.0000 | | 10.4000 |
| Cobalt, total | ug/L | GU-2 | 03/10/2025 | | 0.5000 | | 4.8025 |
| Copper, total | ug/L | GU-2 | 03/10/2025 | ND | 4.0000 | | 12.0000 |
| Lead, total | ug/L | GU-2 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | GU-2 | 03/10/2025 | | 14.8000 | | 33.6000 |
| Selenium, total | ug/L | GU-2 | 03/10/2025 | | 1160.0000 | * | 16.2000 |
| Silver, total | ug/L | GU-2 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | GU-2 | 03/10/2025 | ND | 2.0000 | | 4.0000 |
| Vanadium, total | ug/L | GU-2 | 03/10/2025 | ND | 20.0000 | | 30.7000 |
| Zinc, total | ug/L | GU-2 | 03/10/2025 | | 53.5000 | ** | 73.5000 |
| Antimony, total | ug/L | GU-A | 03/10/2025 | ND | 2.0000 | | 5.5000 |
| Arsenic, total | ug/L | GU-A | 03/10/2025 | ND | 4.0000 | | 47.0528 |
| Barium, total | ug/L | GU-A | 03/10/2025 | | 33.3000 | | 660.3102 |
| Beryllium, total | ug/L | GU-A | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | GU-A | 03/10/2025 | | 1.0000 | | 1.8000 |
| Chromium, total | ug/L | GU-A | 03/10/2025 | ND | 8.0000 | | 10.4000 |
| Cobalt, total | ug/L | GU-A | 03/10/2025 | | 0.7000 | | 4.8025 |
| Copper, total | ug/L | GU-A | 03/10/2025 | ND | 4.0000 | | 12.0000 |
| Lead, total | ug/L | GU-A | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | GU-A | 03/10/2025 | | 54.0000 | *** | 33.6000 |
| Selenium, total | ug/L | GU-A | 03/10/2025 | | 8.1000 | | 16.2000 |
| Silver, total | ug/L | GU-A | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | GU-A | 03/10/2025 | ND | 2.0000 | | 4.0000 |
| Vanadium, total | ug/L | GU-A | 03/10/2025 | ND | 20.0000 | | 30.7000 |
| Zinc, total | ug/L | GU-A | 03/10/2025 | | 1720.0000 | *** | 73.5000 |
| Antimony, total | ug/L | GU-B | 03/10/2025 | ND | 2.0000 | | 5.5000 |
| Arsenic, total | ug/L | GU-B | 03/10/2025 | ND | 4.0000 | | 47.0528 |
| Barium, total | ug/L | GU-B | 03/10/2025 | | 181.0000 | | 660.3102 |
| Beryllium, total | ug/L | GU-B | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | GU-B | 03/10/2025 | | 1.6000 | | 1.8000 |
| Chromium, total | ug/L | GU-B | 03/10/2025 | ND | 8.0000 | | 10.4000 |
| Cobalt, total | ug/L | GU-B | 03/10/2025 | | 1.0000 | ** | 4.8025 |
| Copper, total | ug/L | GU-B | 03/10/2025 | ND | 4.0000 | | 12.0000 |
| Lead, total | ug/L | GU-B | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | GU-B | 03/10/2025 | | 18.3000 | | 33.6000 |
| Selenium, total | ug/L | GU-B | 03/10/2025 | | 33.6000 | * | 16.2000 |
| Silver, total | ug/L | GU-B | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | GU-B | 03/10/2025 | ND | 2.0000 | | 4.0000 |
| Vanadium, total | ug/L | GU-B | 03/10/2025 | ND | 20.0000 | | 30.7000 |
| Zinc, total | ug/L | GU-B | 03/10/2025 | | 70.2000 | | 73.5000 |
| Antimony, total | ug/L | MW-21 | 03/11/2025 | ND | 2.0000 | | 5.5000 |
| Arsenic, total | ug/L | MW-21 | 03/11/2025 | ND | 4.0000 | | 47.0528 |
| Barium, total | ug/L | MW-21 | 03/11/2025 | | 142.0000 | | 660.3102 |
| Beryllium, total | ug/L | MW-21 | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-21 | 03/11/2025 | ND | 0.8000 | | 1.8000 |
| Chromium, total | ug/L | MW-21 | 03/11/2025 | ND | 8.0000 | | 10.4000 |
| Cobalt, total | ug/L | MW-21 | 03/11/2025 | ND | 0.4000 | | 4.8025 |
| Copper, total | ug/L | MW-21 | 03/11/2025 | ND | 4.0000 | | 12.0000 |
| Lead, total | ug/L | MW-21 | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-21 | 03/11/2025 | ND | 4.0000 | | 33.6000 |
| Selenium, total | ug/L | MW-21 | 03/11/2025 | ND | 4.0000 | | 16.2000 |
| Silver, total | ug/L | MW-21 | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-21 | 03/11/2025 | ND | 2.0000 | | 4.0000 |
| Vanadium, total | ug/L | MW-21 | 03/11/2025 | ND | 20.0000 | | 30.7000 |
| Zinc, total | ug/L | MW-21 | 03/11/2025 | ND | 20.0000 | | 73.5000 |
| Antimony, total | ug/L | MW-44 | 03/11/2025 | ND | 2.0000 | | 5.5000 |
| Arsenic, total | ug/L | MW-44 | 03/11/2025 | ND | 4.0000 | | 47.0528 |
| Barium, total | ug/L | MW-44 | 03/11/2025 | | 756.0000 | *** | 660.3102 |
| Beryllium, total | ug/L | MW-44 | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-44 | 03/11/2025 | ND | 0.8000 | | 1.8000 |
| Chromium, total | ug/L | MW-44 | 03/11/2025 | ND | 8.0000 | | 10.4000 |
| Cobalt, total | ug/L | MW-44 | 03/11/2025 | | 0.6000 | | 4.8025 |
| Copper, total | ug/L | MW-44 | 03/11/2025 | ND | 4.0000 | | 12.0000 |
| Lead, total | ug/L | MW-44 | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-44 | 03/11/2025 | ND | 4.0000 | | 33.6000 |
| Selenium, total | ug/L | MW-44 | 03/11/2025 | ND | 4.0000 | | 16.2000 |
| Silver, total | ug/L | MW-44 | 03/11/2025 | ND | 4.0000 | | 4.0000 |

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

## Table 2

### Most Current Downgradient Monitoring Data

| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Thallium, total | ug/L | MW-44 | 03/11/2025 | ND | 2.0000 | | 4.0000 |
| Vanadium, total | ug/L | MW-44 | 03/11/2025 | ND | 20.0000 | | 30.7000 |
| Zinc, total | ug/L | MW-44 | 03/11/2025 | ND | 20.0000 | | 73.5000 |
| Antimony, total | ug/L | MW-45A | 03/11/2025 | ND | 2.0000 | | 5.5000 |
| Arsenic, total | ug/L | MW-45A | 03/11/2025 | ND | 4.0000 | | 47.0528 |
| Barium, total | ug/L | MW-45A | 03/11/2025 | | 92.8000 | | 660.3102 |
| Beryllium, total | ug/L | MW-45A | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-45A | 03/11/2025 | ND | 0.8000 | | 1.8000 |
| Chromium, total | ug/L | MW-45A | 03/11/2025 | ND | 8.0000 | | 10.4000 |
| Cobalt, total | ug/L | MW-45A | 03/11/2025 | ND | 0.4000 | ** | 4.8025 |
| Copper, total | ug/L | MW-45A | 03/11/2025 | ND | 4.0000 | | 12.0000 |
| Lead, total | ug/L | MW-45A | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-45A | 03/11/2025 | ND | 4.0000 | | 33.6000 |
| Selenium, total | ug/L | MW-45A | 03/11/2025 | ND | 4.0000 | | 16.2000 |
| Silver, total | ug/L | MW-45A | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-45A | 03/11/2025 | ND | 2.0000 | | 4.0000 |
| Vanadium, total | ug/L | MW-45A | 03/11/2025 | ND | 20.0000 | | 30.7000 |
| Zinc, total | ug/L | MW-45A | 03/11/2025 | | 32.8000 | | 73.5000 |
| Antimony, total | ug/L | MW-6A | 03/11/2025 | ND | 2.0000 | | 5.5000 |
| Arsenic, total | ug/L | MW-6A | 03/11/2025 | ND | 4.0000 | | 47.0528 |
| Barium, total | ug/L | MW-6A | 03/11/2025 | | 85.5000 | | 660.3102 |
| Beryllium, total | ug/L | MW-6A | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-6A | 03/11/2025 | ND | 0.8000 | | 1.8000 |
| Chromium, total | ug/L | MW-6A | 03/11/2025 | ND | 8.0000 | | 10.4000 |
| Cobalt, total | ug/L | MW-6A | 03/11/2025 | | 6.8000 | *** | 4.8025 |
| Copper, total | ug/L | MW-6A | 03/11/2025 | ND | 4.0000 | | 12.0000 |
| Lead, total | ug/L | MW-6A | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-6A | 03/11/2025 | | 22.8000 | | 33.6000 |
| Selenium, total | ug/L | MW-6A | 03/11/2025 | ND | 4.0000 | | 16.2000 |
| Silver, total | ug/L | MW-6A | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-6A | 03/11/2025 | ND | 2.0000 | | 4.0000 |
| Vanadium, total | ug/L | MW-6A | 03/11/2025 | ND | 20.0000 | | 30.7000 |
| Zinc, total | ug/L | MW-6A | 03/11/2025 | ND | 20.0000 | | 73.5000 |
| Antimony, total | ug/L | TILE 1 | 03/10/2025 | ND | 2.0000 | | 5.5000 |
| Arsenic, total | ug/L | TILE 1 | 03/10/2025 | ND | 4.0000 | | 47.0528 |
| Barium, total | ug/L | TILE 1 | 03/10/2025 | | 739.0000 | *** | 660.3102 |
| Beryllium, total | ug/L | TILE 1 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | TILE 1 | 03/10/2025 | ND | 0.8000 | | 1.8000 |
| Chromium, total | ug/L | TILE 1 | 03/10/2025 | ND | 8.0000 | | 10.4000 |
| Cobalt, total | ug/L | TILE 1 | 03/10/2025 | | 2.1000 | | 4.8025 |
| Copper, total | ug/L | TILE 1 | 03/10/2025 | ND | 4.0000 | | 12.0000 |
| Lead, total | ug/L | TILE 1 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | TILE 1 | 03/10/2025 | | 9.7000 | ** | 33.6000 |
| Selenium, total | ug/L | TILE 1 | 03/10/2025 | ND | 4.0000 | | 16.2000 |
| Silver, total | ug/L | TILE 1 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | TILE 1 | 03/10/2025 | ND | 2.0000 | | 4.0000 |
| Vanadium, total | ug/L | TILE 1 | 03/10/2025 | ND | 20.0000 | | 30.7000 |
| Zinc, total | ug/L | TILE 1 | 03/10/2025 | ND | 20.0000 | | 73.5000 |
| Antimony, total | ug/L | TILE 2 | 03/10/2025 | ND | 2.0000 | | 5.5000 |
| Arsenic, total | ug/L | TILE 2 | 03/10/2025 | ND | 4.0000 | | 47.0528 |
| Barium, total | ug/L | TILE 2 | 03/10/2025 | | 451.0000 | | 660.3102 |
| Beryllium, total | ug/L | TILE 2 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | TILE 2 | 03/10/2025 | ND | 0.8000 | | 1.8000 |
| Chromium, total | ug/L | TILE 2 | 03/10/2025 | ND | 8.0000 | | 10.4000 |
| Cobalt, total | ug/L | TILE 2 | 03/10/2025 | | 0.6000 | | 4.8025 |
| Copper, total | ug/L | TILE 2 | 03/10/2025 | ND | 4.0000 | | 12.0000 |
| Lead, total | ug/L | TILE 2 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | TILE 2 | 03/10/2025 | | 4.0000 | | 33.6000 |
| Selenium, total | ug/L | TILE 2 | 03/10/2025 | ND | 4.0000 | | 16.2000 |
| Silver, total | ug/L | TILE 2 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | TILE 2 | 03/10/2025 | ND | 2.0000 | | 4.0000 |
| Vanadium, total | ug/L | TILE 2 | 03/10/2025 | ND | 20.0000 | | 30.7000 |
| Zinc, total | ug/L | TILE 2 | 03/10/2025 | ND | 20.0000 | | 73.5000 |

* - 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 | 5 | 41 | 0.122 | 16 | 102 | 0.157 |
| Arsenic, total | 23 | 41 | 0.561 | 14 | 102 | 0.137 |
| Barium, total | 41 | 41 | 1.000 | 104 | 104 | 1.000 |
| Beryllium, total | 0 | 41 | 0.000 | 1 | 102 | 0.010 |
| Cadmium, total | 5 | 39 | 0.128 | 7 | 102 | 0.069 |
| Chromium, total | 1 | 41 | 0.024 | 1 | 102 | 0.010 |
| Cobalt, total | 22 | 41 | 0.537 | 66 | 103 | 0.641 |
| Copper, total | 8 | 40 | 0.200 | 6 | 102 | 0.059 |
| Lead, total | 0 | 41 | 0.000 | 3 | 102 | 0.029 |
| Nickel, total | 20 | 41 | 0.488 | 77 | 103 | 0.748 |
| Selenium, total | 7 | 41 | 0.171 | 17 | 102 | 0.167 |
| Silver, total | 0 | 41 | 0.000 | 0 | 102 | 0.000 |
| Thallium, total | 0 | 41 | 0.000 | 0 | 102 | 0.000 |
| Vanadium, total | 1 | 41 | 0.024 | 1 | 102 | 0.010 |
| Zinc, total | 17 | 41 | 0.415 | 33 | 102 | 0.324 |

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 | 5 | 41 | 0.122 | 0.670 | 0.256 | | | | | 2.326 | normal | nonpar |
| Arsenic, total | 23 | 41 | 0.561 | 0.897 | 0.114 | | | | | 2.326 | normal | normal |
| Barium, total | 41 | 41 | 1.000 | 0.588 | 0.399 | | | | | 2.326 | normal | normal |
| Beryllium, total | 0 | 41 | 0.000 | | | | | | | | | nonpar |
| Cadmium, total | 5 | 39 | 0.128 | 1.192 | 0.700 | | | | | 2.326 | normal | nonpar |
| Chromium, total | 1 | 41 | 0.024 | | | | | | | | | nonpar |
| Cobalt, total | 22 | 41 | 0.537 | 4.009 | 1.637 | | | | | 2.326 | lognor | lognor |
| Copper, total | 8 | 40 | 0.200 | 1.081 | 0.095 | | | | | 2.326 | normal | nonpar |
| Lead, total | 0 | 41 | 0.000 | | | | | | | | | nonpar |
| Nickel, total | 20 | 41 | 0.488 | 3.419 | 0.830 | | | | | 2.326 | lognor | nonpar |
| Selenium, total | 7 | 41 | 0.171 | 0.938 | 0.090 | | | | | 2.326 | normal | nonpar |
| Silver, total | 0 | 41 | 0.000 | | | | | | | | | nonpar |
| Thallium, total | 0 | 41 | 0.000 | | | | | | | | | nonpar |
| Vanadium, total | 1 | 41 | 0.024 | | | | | | | | | nonpar |
| Zinc, total | 17 | 41 | 0.415 | 1.413 | 0.326 | | | | | 2.326 | normal | nonpar |

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

## Table 5

### Summary Statistics and Prediction Limits

| Constituent | Units | Detect | N | Mean | SD | alpha | Factor | Pred Limit | Type | | Conf |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | 5 | 41 | | | | | 5.5000 | nonpar | | 0.99 |
| Arsenic, total | ug/L | 23 | 41 | 12.2122 | 14.2060 | 0.0100 | 2.4525 | 47.0528 | normal | | |
| Barium, total | ug/L | 41 | 41 | 393.6805 | 108.7165 | 0.0100 | 2.4525 | 660.3102 | normal | | |
| Beryllium, total | ug/L | 0 | 41 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Cadmium, total | ug/L | 5 | 39 | | | | | 1.8000 | nonpar | | 0.99 |
| Chromium, total | ug/L | 1 | 41 | | | | | 10.4000 | nonpar | | 0.99 |
| Cobalt, total | ug/L | 22 | 41 | 0.2381 | 0.5427 | 0.0100 | 2.4525 | 4.8025 | lognor | | |
| Copper, total | ug/L | 8 | 40 | | | | | 12.0000 | nonpar | | 0.99 |
| Lead, total | ug/L | 0 | 41 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Nickel, total | ug/L | 20 | 41 | | | | | 33.6000 | nonpar | | 0.99 |
| Selenium, total | ug/L | 7 | 41 | | | | | 16.2000 | nonpar | | 0.99 |
| Silver, total | ug/L | 0 | 41 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Thallium, total | ug/L | 0 | 41 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Vanadium, total | ug/L | 1 | 41 | | | | | 30.7000 | nonpar | | 0.99 |
| Zinc, total | ug/L | 17 | 41 | | | | | 73.5000 | nonpar | | 0.99 |

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

## Table 6

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

| Constituent | Units | Well | Date | Result | ND Qualifier | Date Range | N | Critical Value |
|---|---|---|---|---|---|---|---|---|
| Cadmium, total | ug/L | MW-18 | 03/23/2023 | 3.9000 | | 09/23/2014-03/11/2025 | 23 | 0.5162 |
| Cadmium, total | ug/L | MW-18 | 09/18/2024 | 2.5000 | | 09/23/2014-03/11/2025 | 23 | 0.5162 |
| Copper, total | ug/L | MW-4A | 03/19/2015 | 30.1000 | | 09/23/2014-09/14/2021 | 17 | 0.5798 |

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

## Table 8

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

| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Selenium, total | ug/L | GU-2 | 11/13/2023 | ND | 4.0000 | | 16.2000 |
| Selenium, total | ug/L | GU-2 | 12/05/2023 | ND | 4.0000 | | 16.2000 |
| Selenium, total | ug/L | GU-2 | 01/08/2024 | ND | 4.0000 | | 16.2000 |
| Selenium, total | ug/L | GU-2 | 03/06/2024 | | 168.0000 | * | 16.2000 |
| Selenium, total | ug/L | GU-2 | 06/03/2024 | | 320.0000 | * | 16.2000 |
| Selenium, total | ug/L | GU-2 | 09/18/2024 | ND | 4.0000 | | 16.2000 |
| Selenium, total | ug/L | GU-2 | 03/10/2025 | | 1160.0000 | * | 16.2000 |
| Zinc, total | ug/L | GU-2 | 11/13/2023 | ND | 20.0000 | | 73.5000 |
| Zinc, total | ug/L | GU-2 | 12/05/2023 | | 666.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-2 | 01/08/2024 | | 725.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-2 | 03/06/2024 | | 691.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-2 | 06/03/2024 | | 238.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-2 | 09/18/2024 | | 320.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-2 | 03/10/2025 | | 53.5000 | | 73.5000 |
| Nickel, total | ug/L | GU-A | 12/05/2023 | | 27.5000 | | 33.6000 |
| Nickel, total | ug/L | GU-A | 01/08/2024 | | 46.8000 | * | 33.6000 |
| Nickel, total | ug/L | GU-A | 03/06/2024 | | 36.9000 | * | 33.6000 |
| Nickel, total | ug/L | GU-A | 06/03/2024 | | 27.5000 | | 33.6000 |
| Nickel, total | ug/L | GU-A | 09/18/2024 | | 77.5000 | * | 33.6000 |
| Nickel, total | ug/L | GU-A | 03/10/2025 | | 54.0000 | * | 33.6000 |
| Zinc, total | ug/L | GU-A | 12/05/2023 | | 1350.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-A | 01/08/2024 | | 323.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-A | 03/06/2024 | | 877.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-A | 06/03/2024 | | 160.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-A | 09/18/2024 | | 739.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-A | 03/10/2025 | | 1720.0000 | * | 73.5000 |
| Cobalt, total | ug/L | GU-B | 11/13/2023 | | 1.0000 | | 4.8025 |
| Cobalt, total | ug/L | GU-B | 12/05/2023 | | 0.7000 | | 4.8025 |
| Cobalt, total | ug/L | GU-B | 01/08/2024 | | 0.6000 | | 4.8025 |
| Cobalt, total | ug/L | GU-B | 03/06/2024 | | 1.7000 | | 4.8025 |
| Cobalt, total | ug/L | GU-B | 06/03/2024 | ND | 0.4000 | | 4.8025 |
| Cobalt, total | ug/L | GU-B | 09/18/2024 | | 10.2000 | * | 4.8025 |
| Cobalt, total | ug/L | GU-B | 03/10/2025 | | 1.0000 | | 4.8025 |
| Selenium, total | ug/L | GU-B | 11/13/2023 | | 8.8000 | | 16.2000 |
| Selenium, total | ug/L | GU-B | 12/05/2023 | | 6.9000 | | 16.2000 |
| Selenium, total | ug/L | GU-B | 01/08/2024 | | 6.9000 | | 16.2000 |
| Selenium, total | ug/L | GU-B | 03/06/2024 | | 28.4000 | * | 16.2000 |
| Selenium, total | ug/L | GU-B | 06/03/2024 | | 15.3000 | | 16.2000 |
| Selenium, total | ug/L | GU-B | 09/18/2024 | | 8.3000 | | 16.2000 |
| Selenium, total | ug/L | GU-B | 03/10/2025 | | 33.6000 | * | 16.2000 |
| Barium, total | ug/L | MW-44 | 07/12/2023 | | 624.0000 | | 660.3102 |
| Barium, total | ug/L | MW-44 | 09/05/2023 | | 708.0000 | * | 660.3102 |
| Barium, total | ug/L | MW-44 | 11/28/2023 | | 803.0000 | * | 660.3102 |
| Barium, total | ug/L | MW-44 | 03/06/2024 | | 795.0000 | * | 660.3102 |
| Barium, total | ug/L | MW-44 | 09/18/2024 | | 662.0000 | * | 660.3102 |
| Barium, total | ug/L | MW-44 | 03/11/2025 | | 756.0000 | * | 660.3102 |
| Cobalt, total | ug/L | MW-45A | 03/06/2024 | ND | 0.4000 | | 4.8025 |
| Cobalt, total | ug/L | MW-45A | 06/03/2024 | ND | 0.4000 | | 4.8025 |
| Cobalt, total | ug/L | MW-45A | 09/18/2024 | | 7.0000 | * | 4.8025 |
| Cobalt, total | ug/L | MW-45A | 03/11/2025 | ND | 0.4000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 09/20/2013 | ND | 4.0000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 03/28/2014 | ND | 4.0000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 09/23/2014 | | 2.5000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 03/18/2015 | ND | 0.8000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 08/27/2015 | | 1.4000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 03/03/2016 | ND | 0.8000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 09/21/2016 | | 1.2000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 03/09/2017 | ND | 0.8000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 09/14/2017 | | 5.4000 | * | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 12/13/2017 | | 1.4000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 03/12/2018 | ND | 2.0000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 09/10/2018 | | 2.2000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 03/26/2019 | ND | 0.8000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 09/16/2019 | | 1.3000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 03/24/2020 | ND | 0.8000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 09/02/2020 | | 0.7000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 03/08/2021 | | 17.5000 | * | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 09/14/2021 | | 1.9000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 03/28/2022 | | 0.4000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 09/13/2022 | | 2.8000 | | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 03/23/2023 | ND | 0.4000 | | 4.8025 |

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

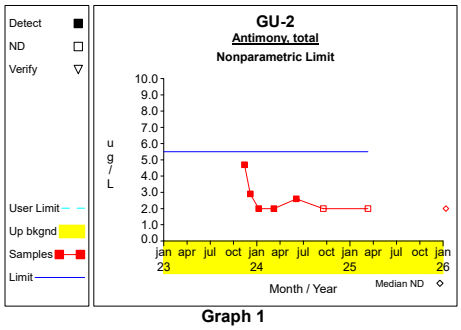
## Table 8

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

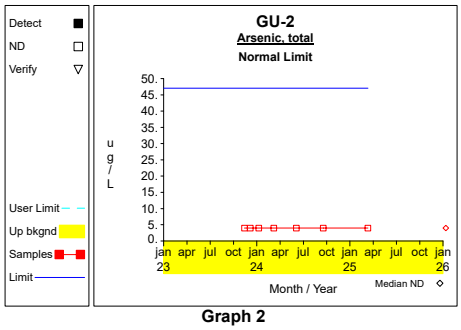
| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Cobalt, total | ug/L | MW-6A | 09/18/2024 | | 4.9000 | * | 4.8025 |
| Cobalt, total | ug/L | MW-6A | 03/11/2025 | | 6.8000 | * | 4.8025 |
| Barium, total | ug/L | TILE 1 | 06/05/2019 | | 1010.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 07/17/2019 | | 1580.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 09/16/2019 | | 1350.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 03/24/2020 | | 754.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 09/02/2020 | | 2210.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 03/08/2021 | | 1060.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 09/14/2021 | | 1940.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 03/28/2022 | | 774.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 09/13/2022 | | 2660.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 03/23/2023 | | 953.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 09/05/2023 | | 2510.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 03/06/2024 | | 2250.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 09/18/2024 | | 2340.0000 | * | 660.3102 |
| Barium, total | ug/L | TILE 1 | 03/10/2025 | | 739.0000 | * | 660.3102 |
| Nickel, total | ug/L | TILE 1 | 06/05/2019 | | 13.4000 | | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 09/16/2019 | | 21.2000 | | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 03/24/2020 | | 9.8000 | | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 09/02/2020 | | 35.8000 | * | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 03/08/2021 | | 20.8000 | | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 09/14/2021 | | 37.1000 | * | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 03/28/2022 | | 14.0000 | | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 09/13/2022 | | 46.1000 | * | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 03/23/2023 | | 13.4000 | | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 09/05/2023 | | 43.6000 | * | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 03/06/2024 | | 43.5000 | * | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 09/18/2024 | | 43.5000 | * | 33.6000 |
| Nickel, total | ug/L | TILE 1 | 03/10/2025 | | 9.7000 | | 33.6000 |

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

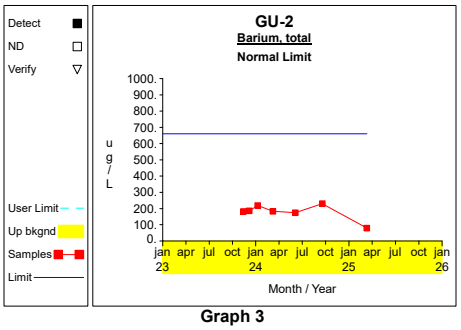
# Up vs. Down Prediction Limits



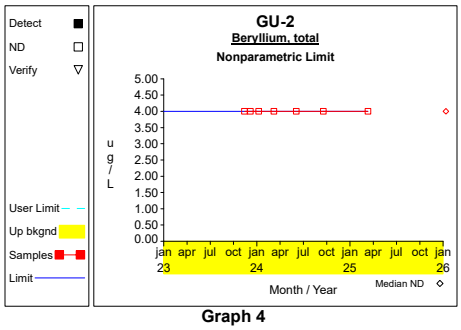

Graph 1



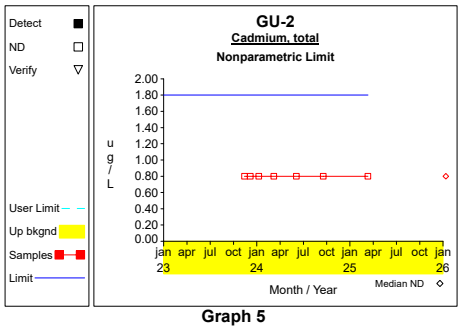

Graph 2



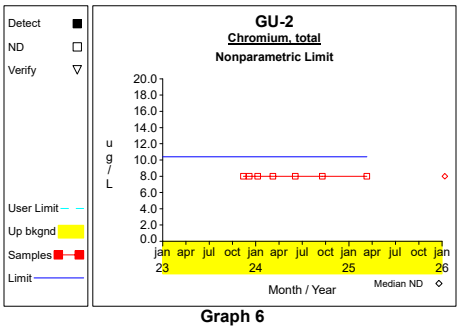

Graph 3



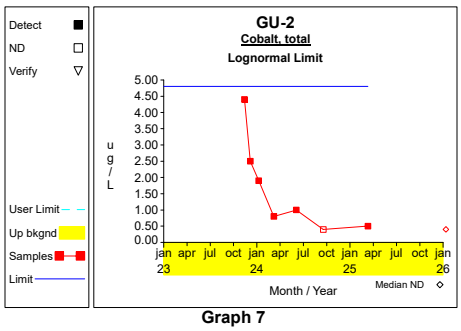

Graph 4



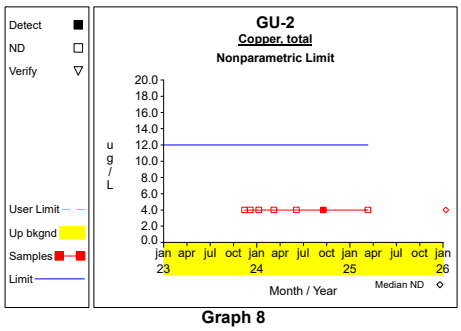

Graph 5



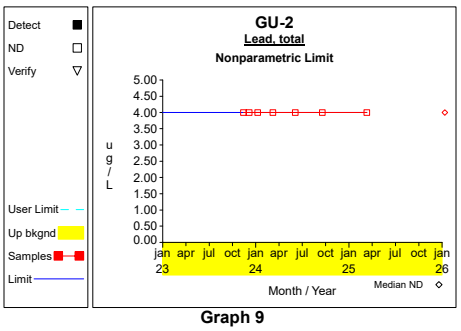

Graph 6



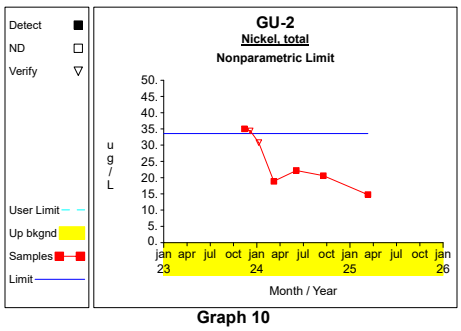

Graph 7



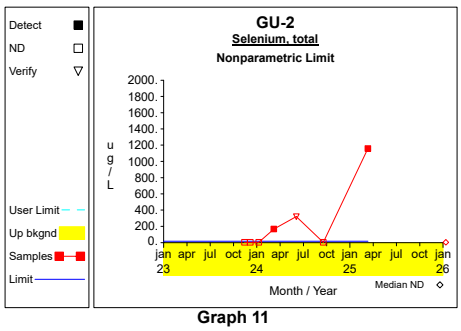

Graph 8



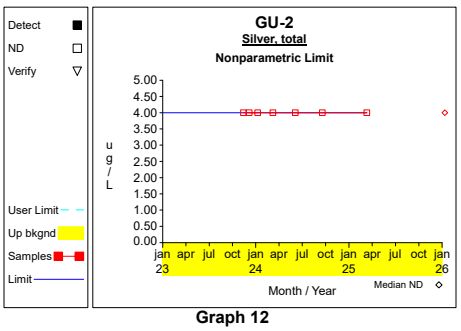

Graph 9



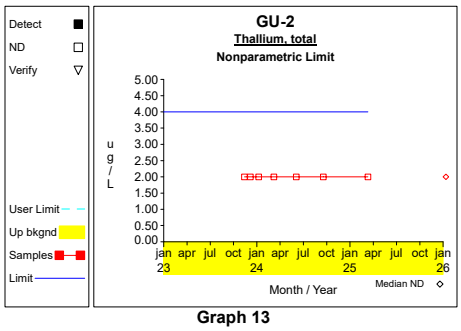

Graph 10



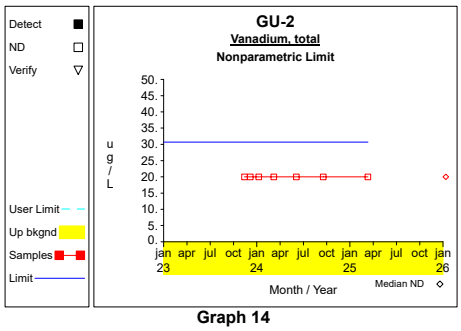

Graph 11



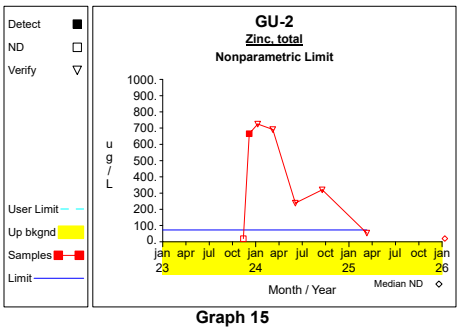

Graph 12




Graph 13



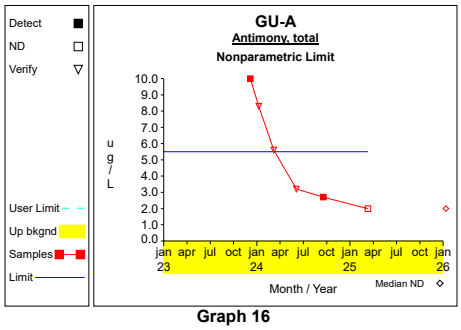

Graph 14



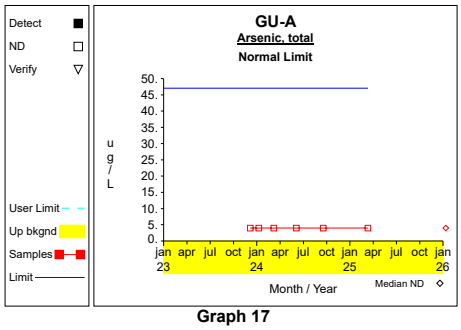

Graph 15

Prepared by: Otter Creek Environmental

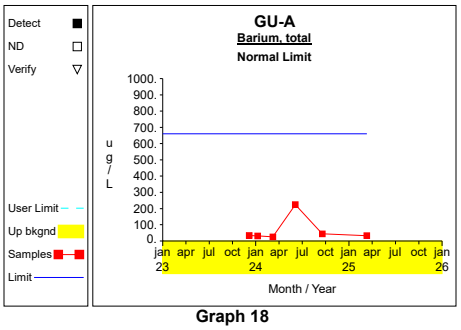
# Up vs. Down Prediction Limits



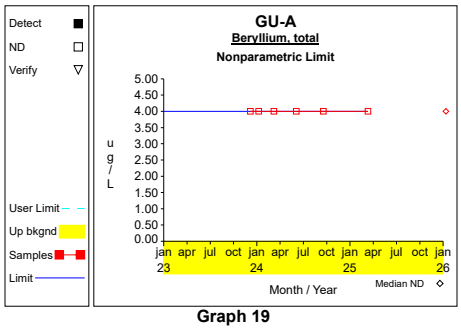

Graph 16



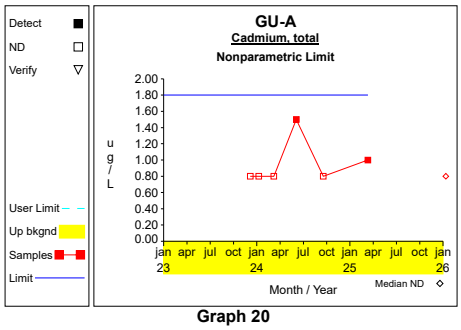

Graph 17



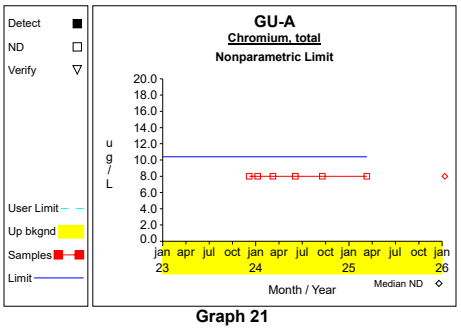

Graph 18



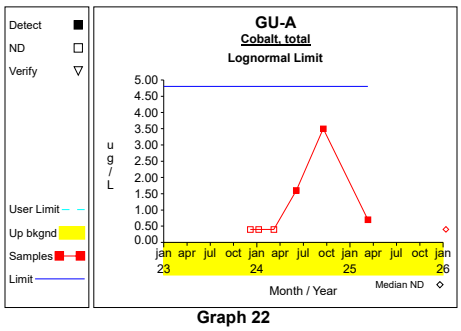

Graph 19



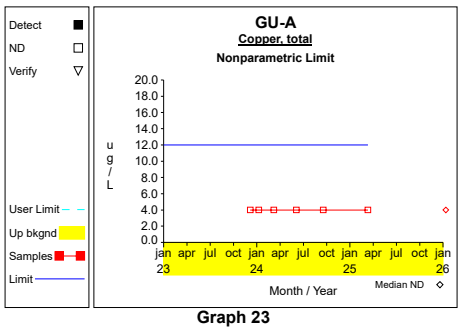

Graph 20



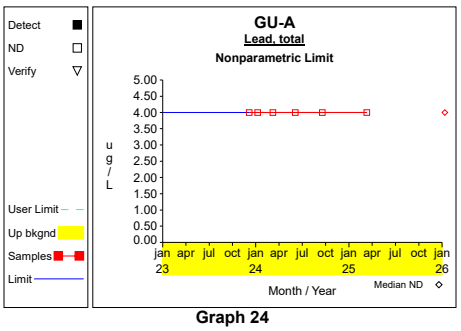

Graph 21



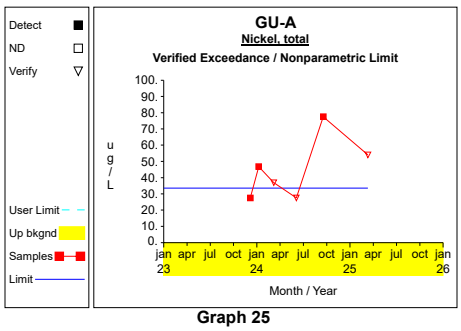

Graph 22



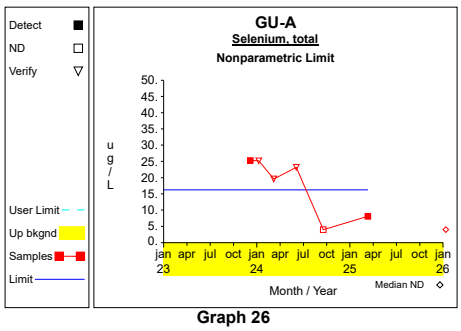

Graph 23



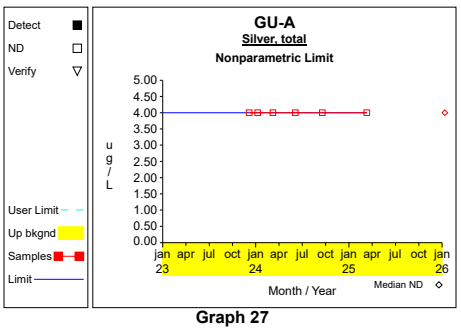

Graph 24



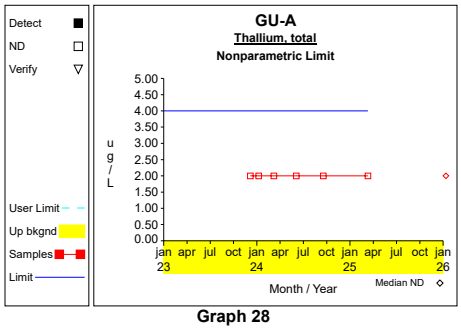

Graph 25



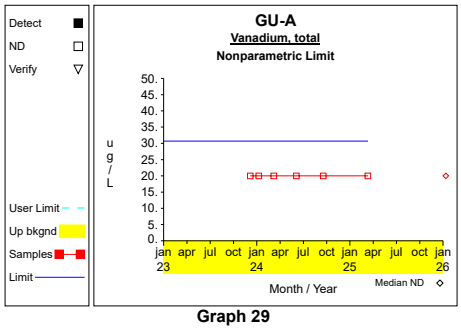

Graph 26



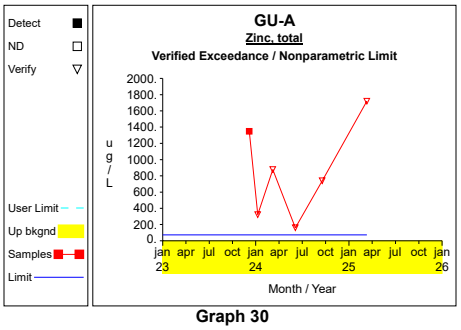

Graph 27




Graph 28




Graph 29




Graph 30

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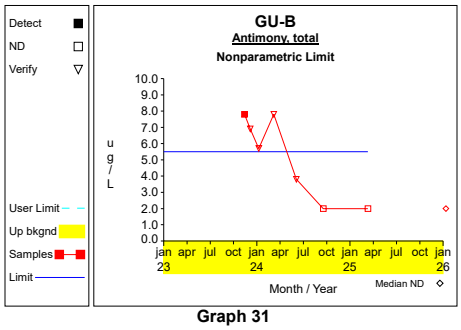
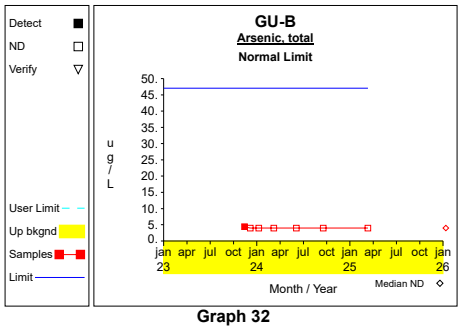
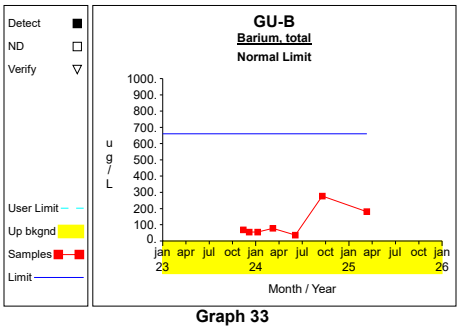
# Up vs. Down Prediction Limits



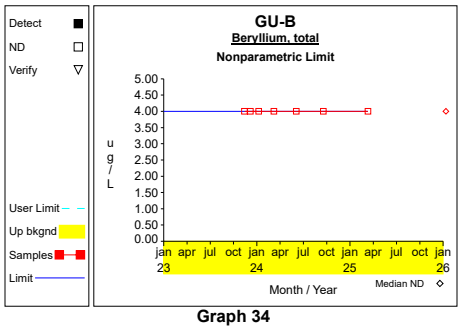

Graph 31




Graph 32




Graph 33

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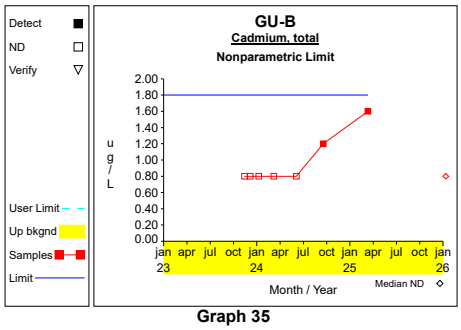


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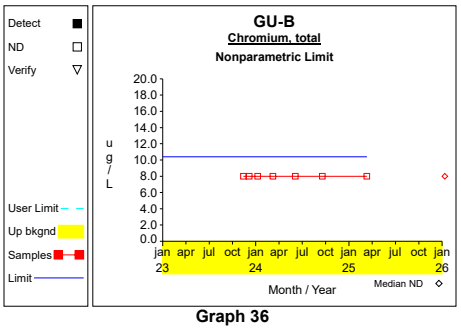
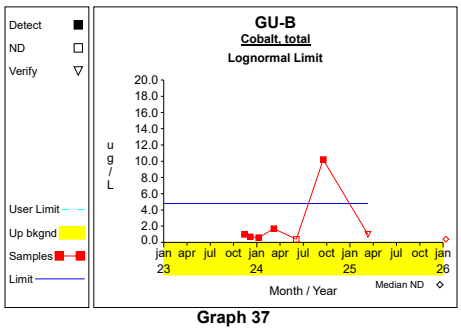
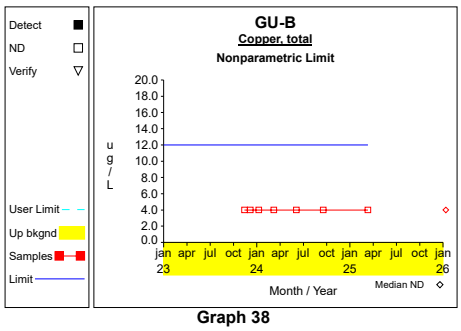



Graph 36




Graph 37

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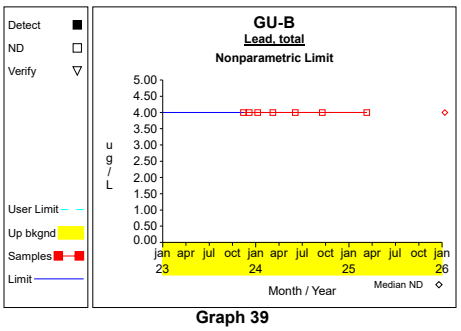


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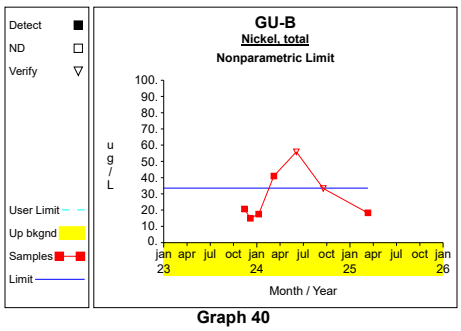


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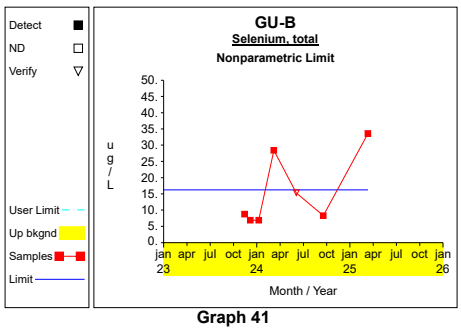
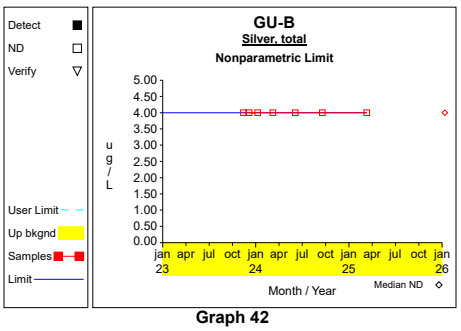
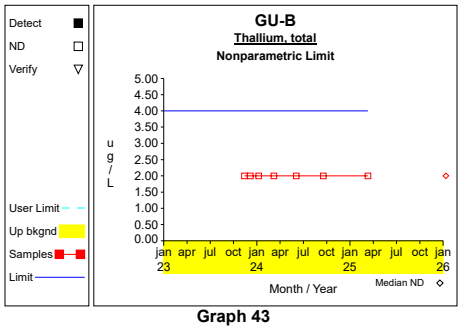


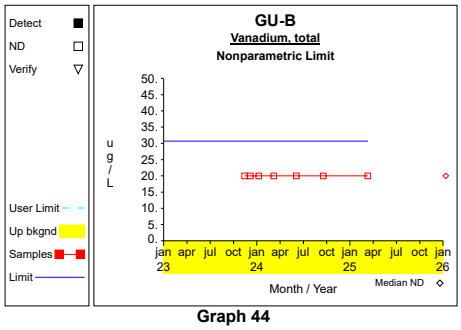

Graph 41



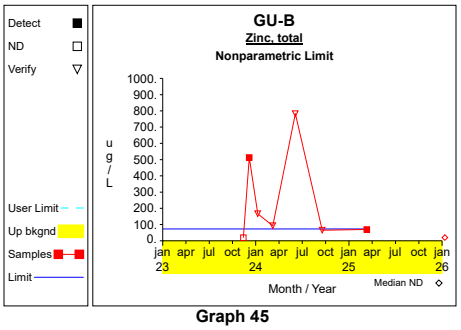

Graph 42




Graph 43

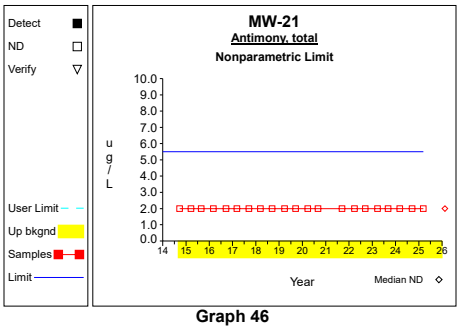



Graph 44

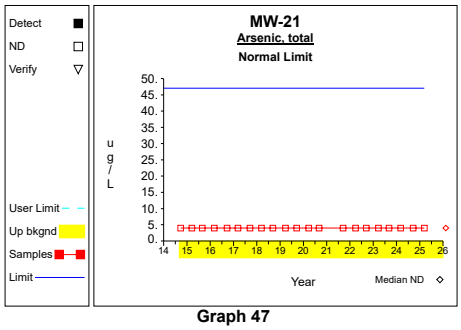



Graph 45

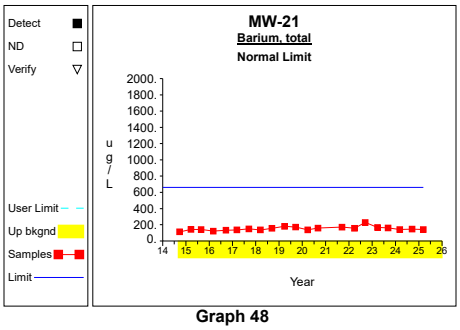
# Up vs. Down Prediction Limits



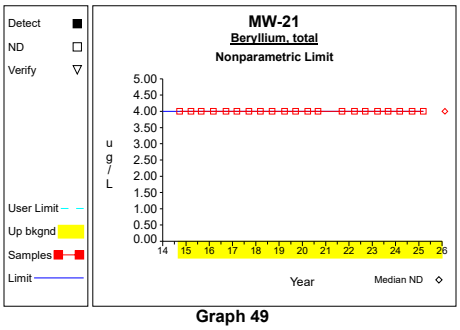

Graph 46



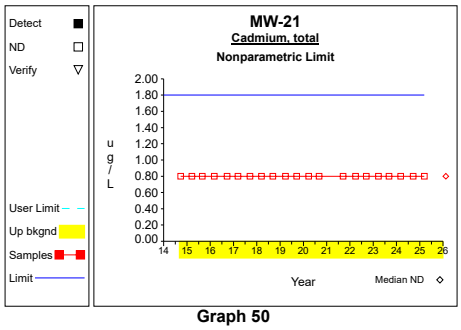

Graph 47



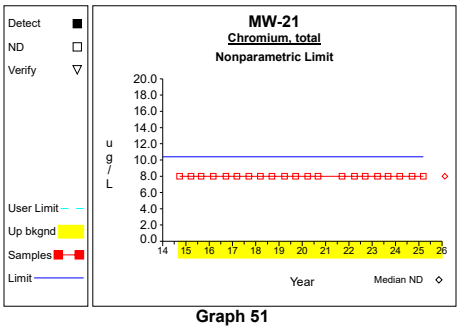

Graph 48



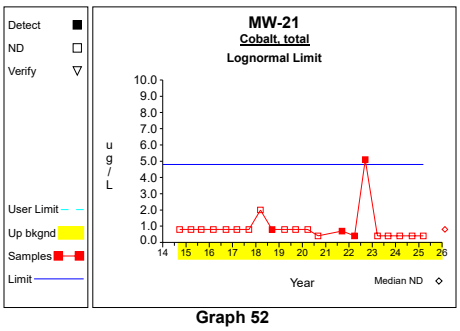

Graph 49



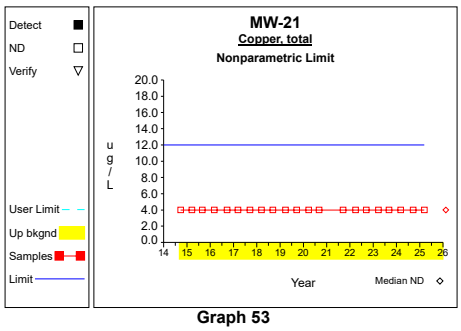

Graph 50



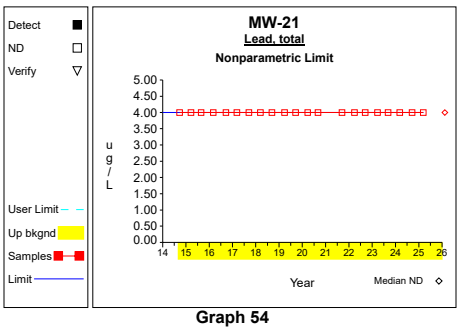

Graph 51



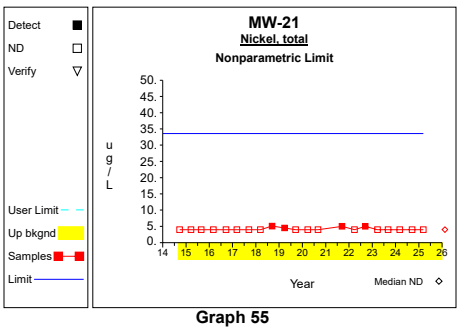

Graph 52



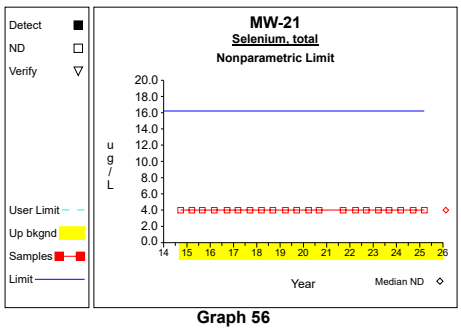

Graph 53



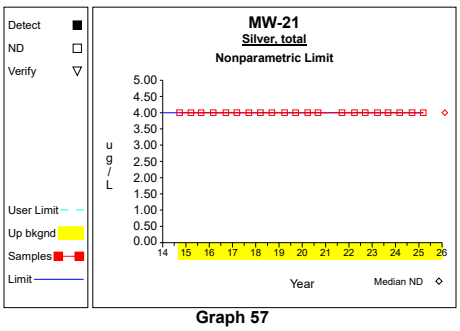

Graph 54



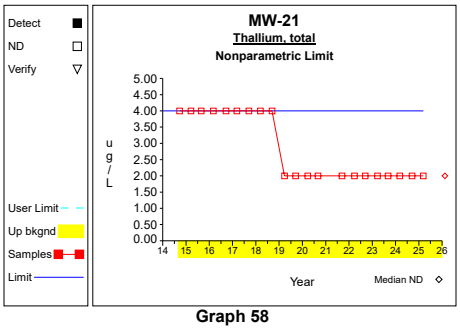

Graph 55



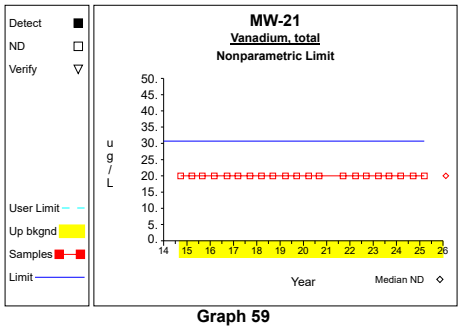

Graph 56



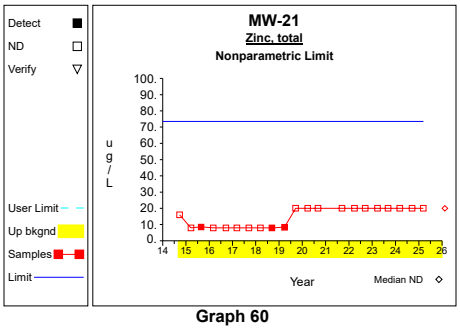

Graph 57




Graph 58




Graph 59




Graph 60

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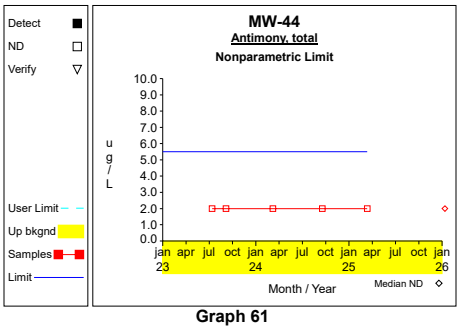
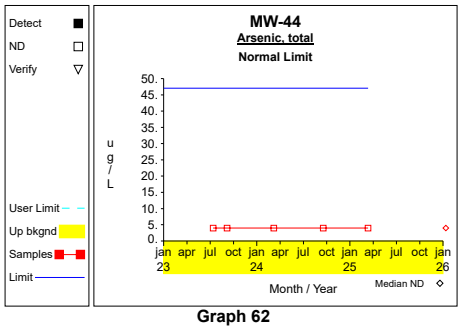
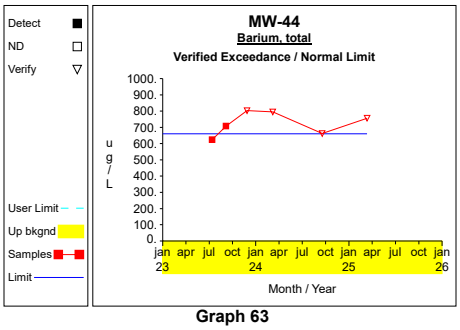
# Up vs. Down Prediction Limits



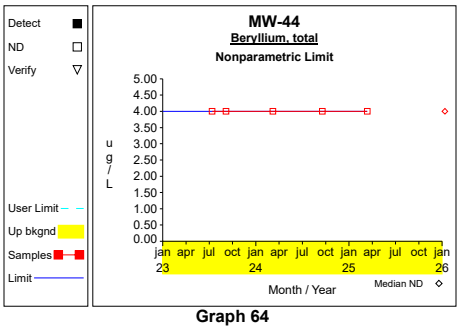

Graph 61



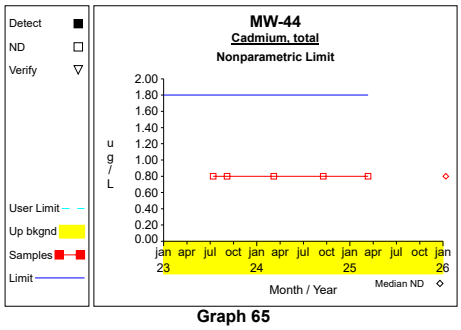

Graph 62



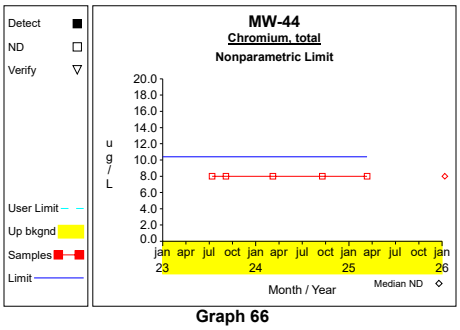

Graph 63



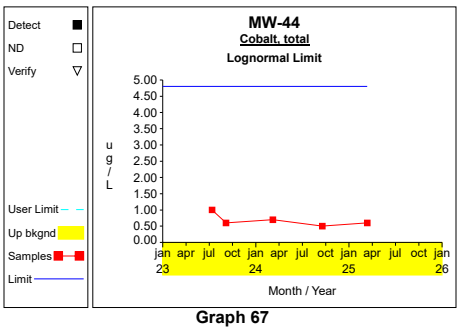

Graph 64



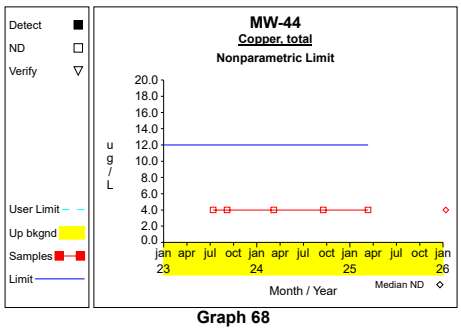

Graph 65



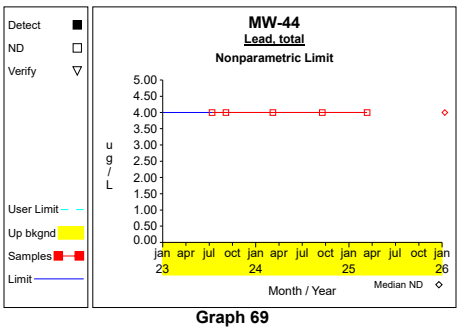

Graph 66



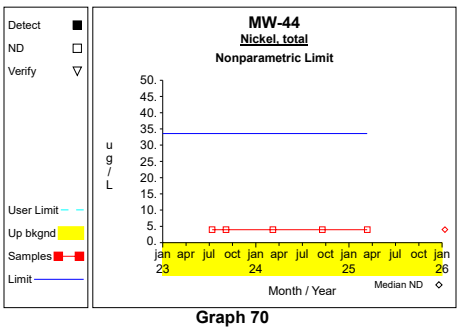

Graph 67



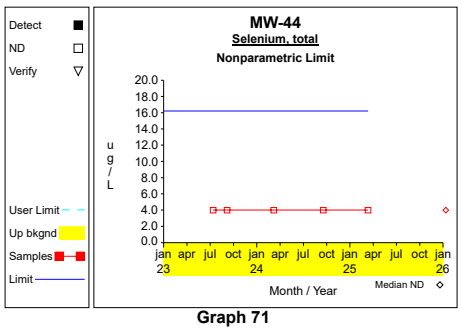

Graph 68



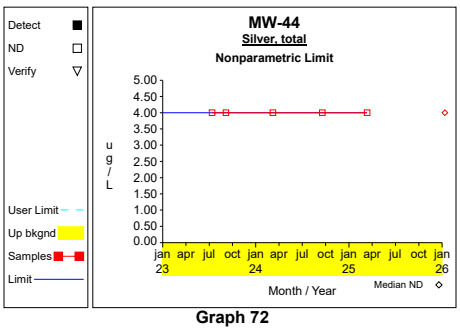

Graph 69



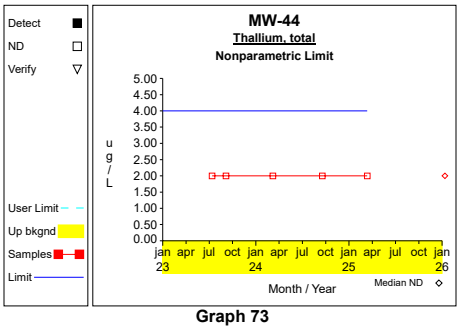

Graph 70



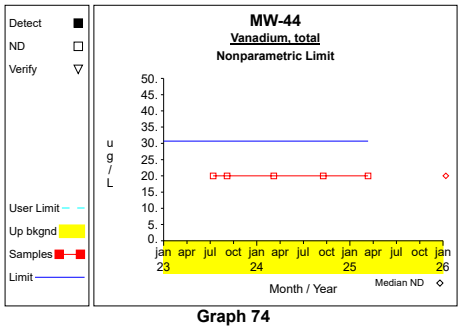

Graph 71



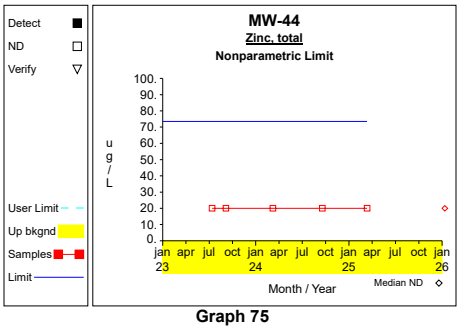

Graph 72




Graph 73




Graph 74




Graph 75

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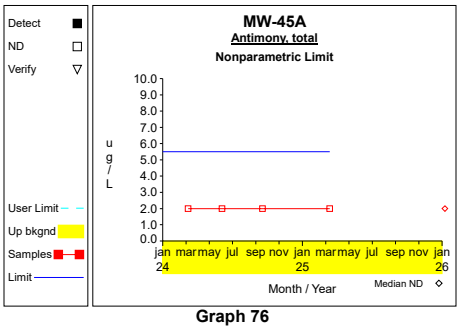
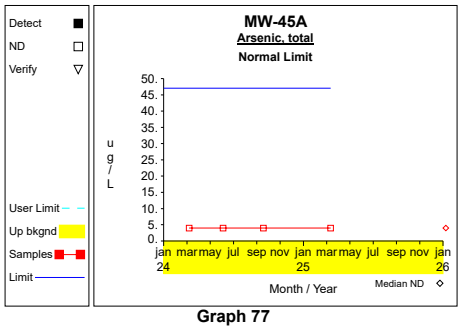
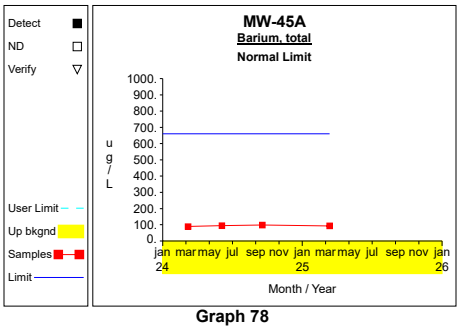
# Up vs. Down Prediction Limits



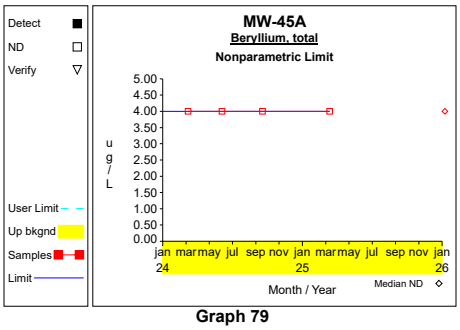

Graph 76



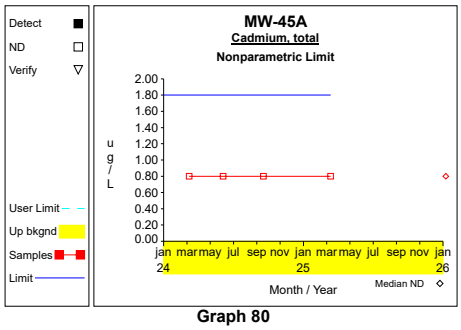

Graph 77



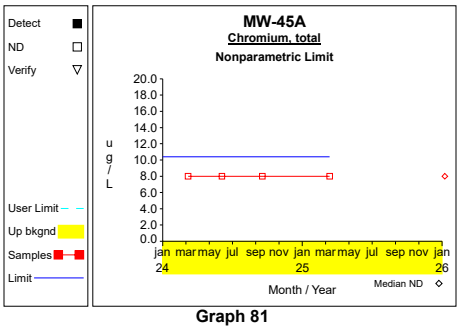

Graph 78



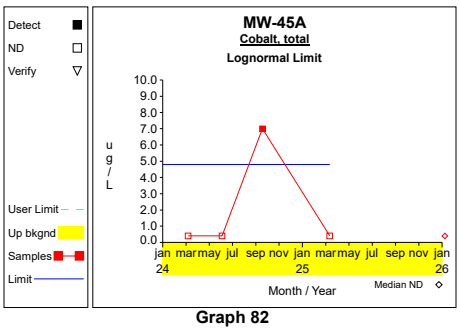

Graph 79



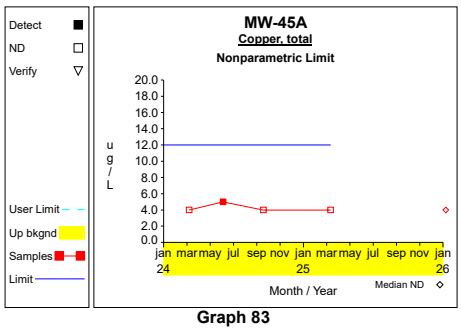

Graph 80



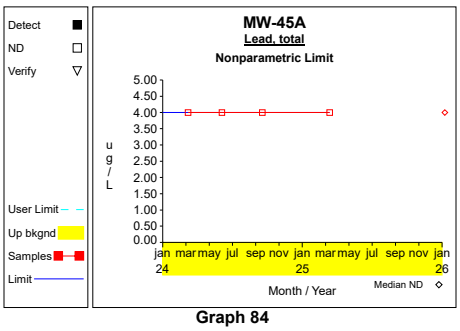

Graph 81



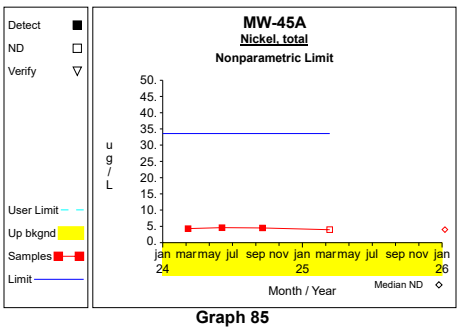

Graph 82



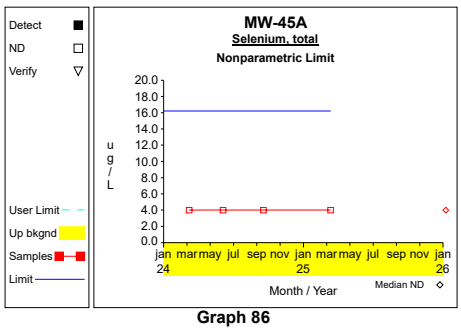

Graph 83



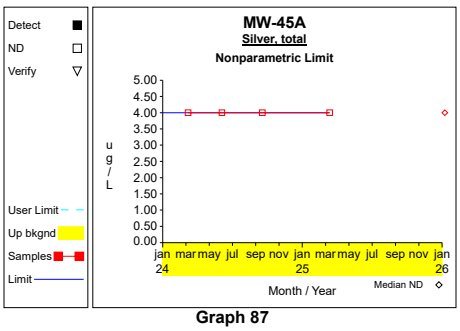

Graph 84



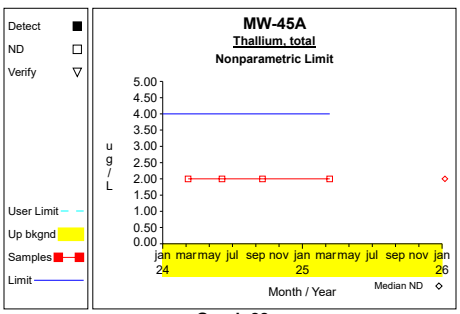

Graph 85



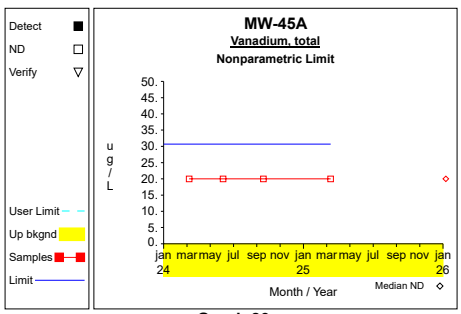

Graph 86



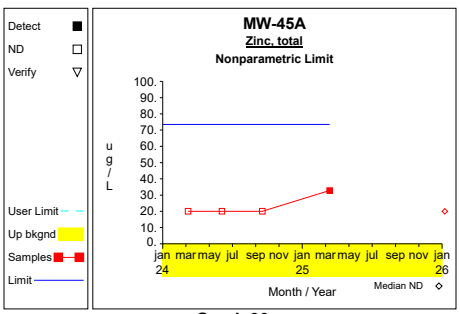

Graph 87




Graph 88



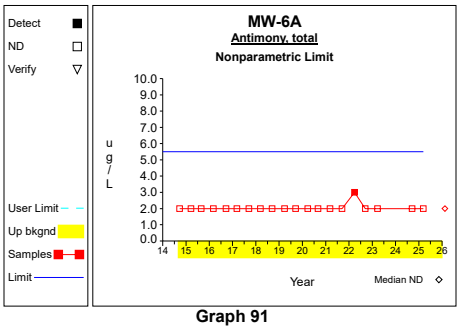

Graph 89




Graph 90

Prepared by: Otter Creek Environmental

# Up vs. Down Prediction Limits

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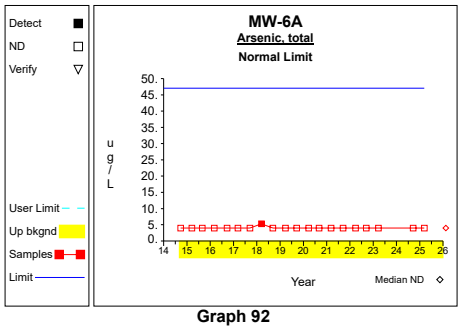


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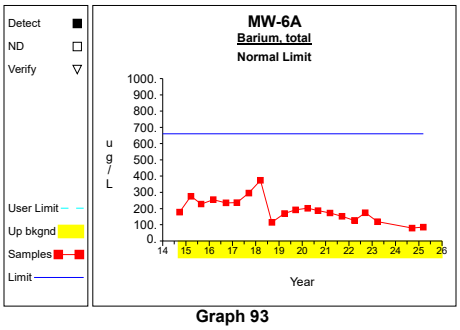


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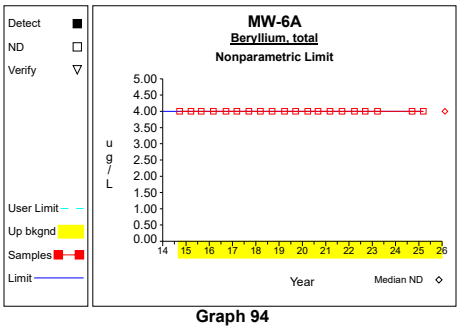


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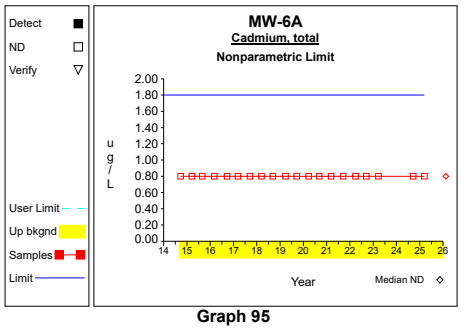


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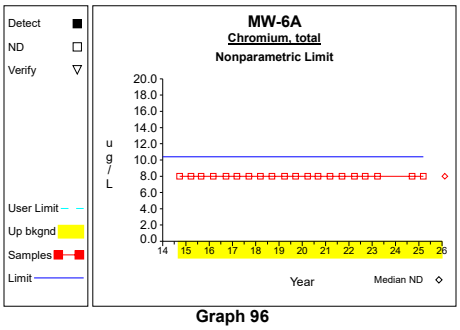


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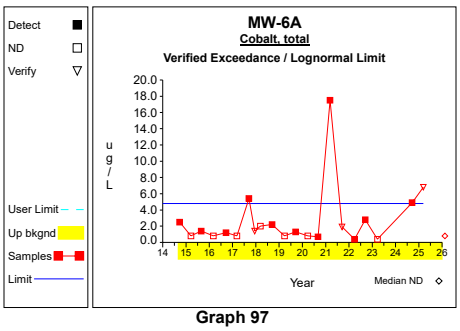


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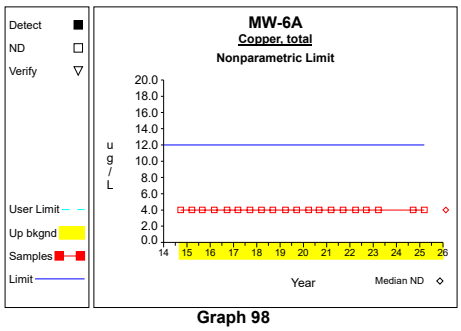


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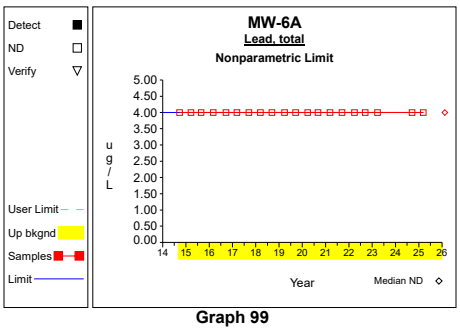


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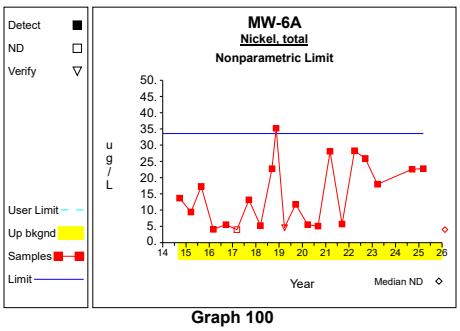


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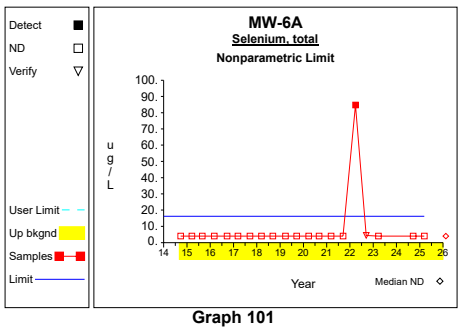


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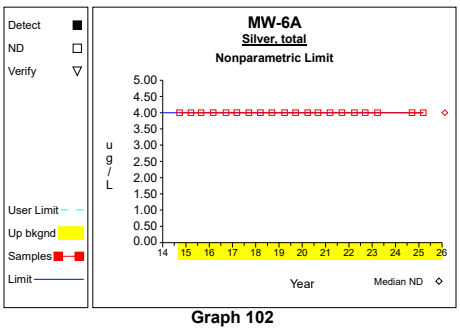


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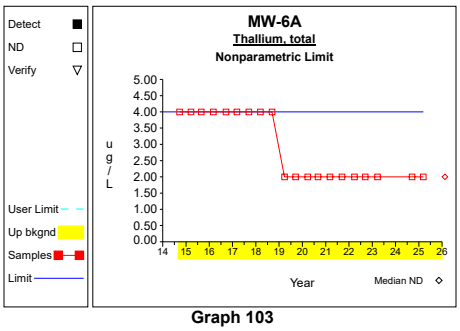


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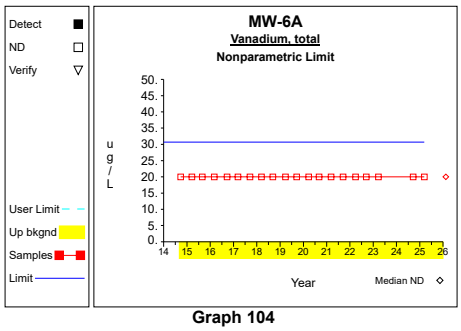


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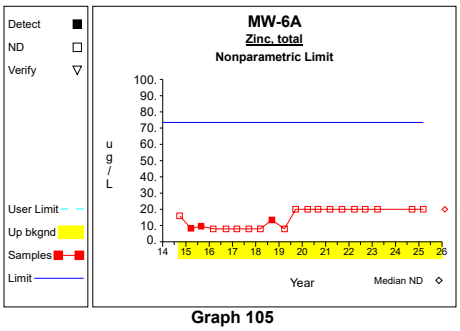


Graph 105

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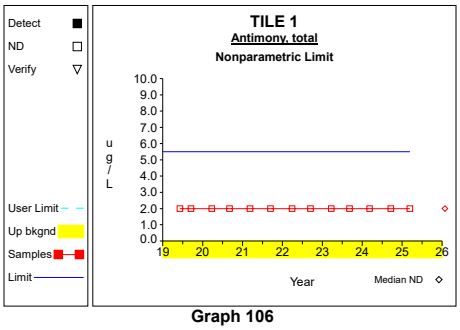
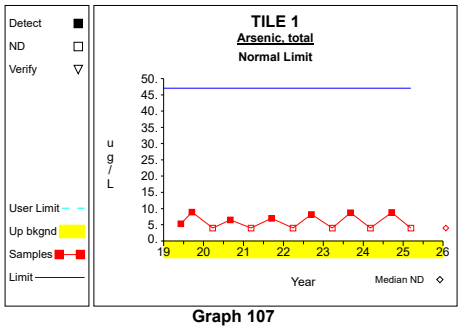
# Up vs. Down Prediction Limits




Graph 106

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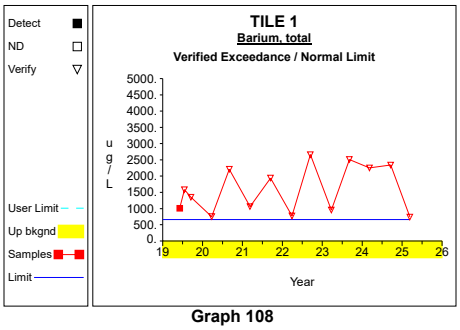


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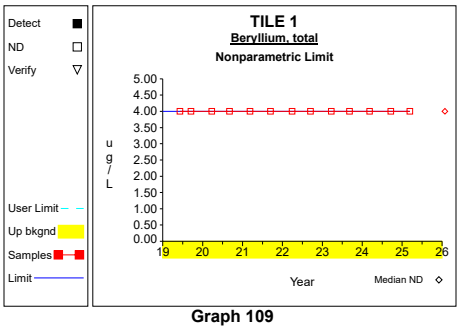


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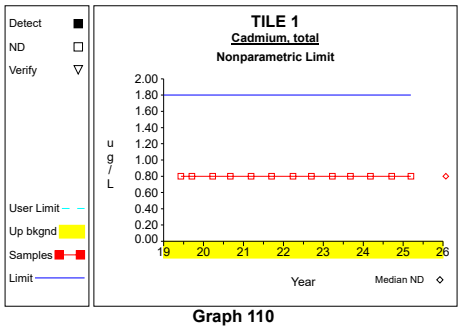


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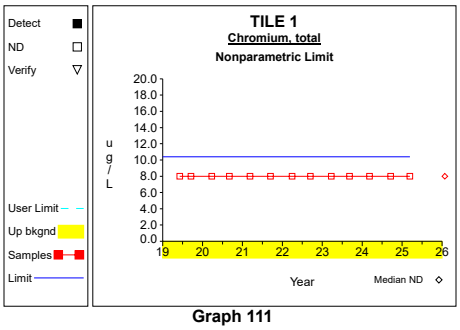


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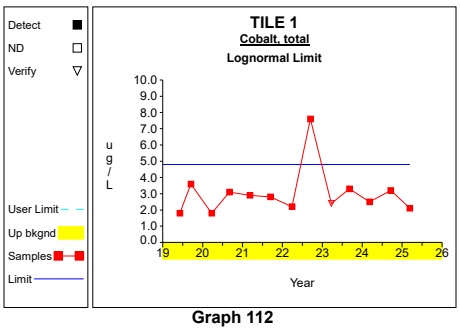


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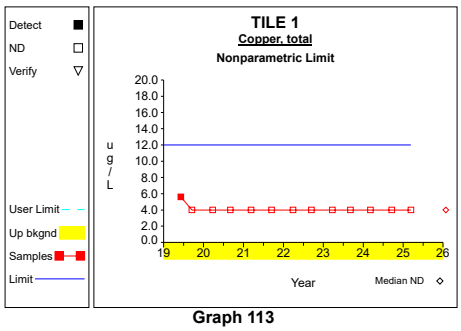


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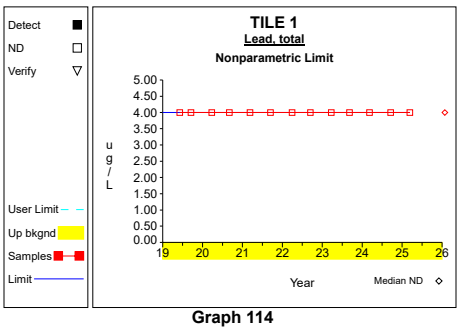
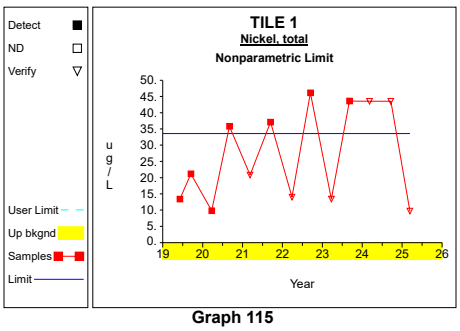



Graph 114

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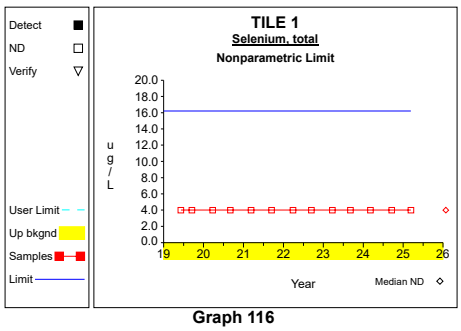
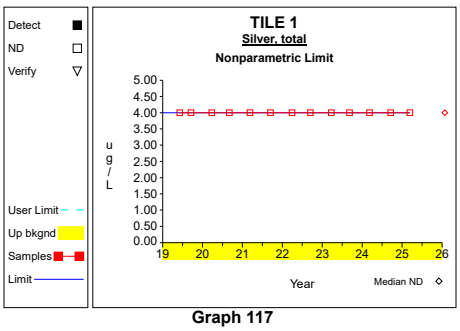



Graph 116

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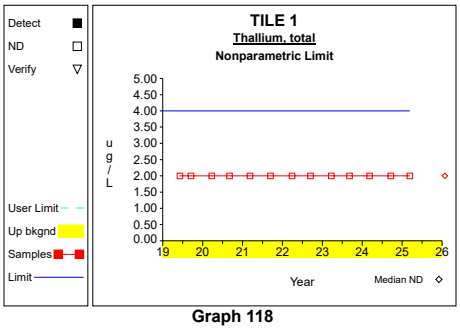


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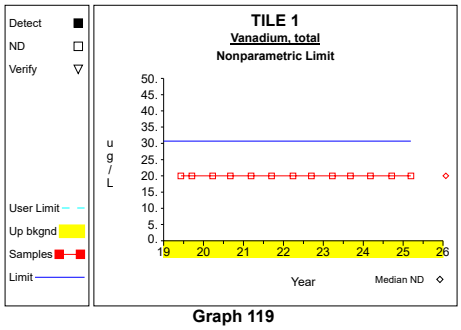


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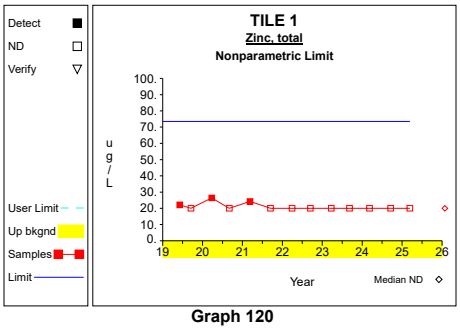


Graph 120

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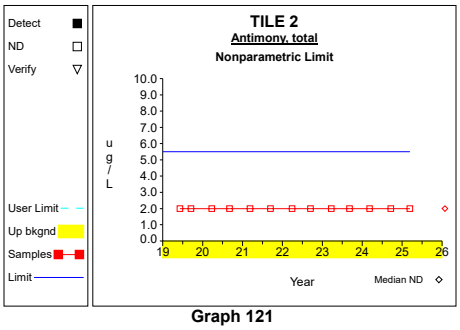
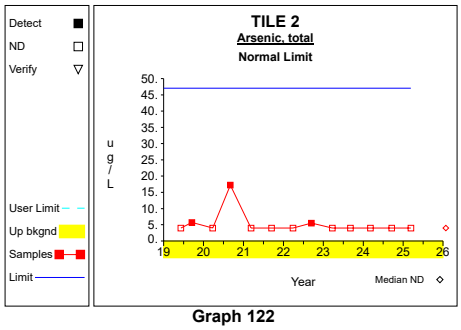
# Up vs. Down Prediction Limits




Graph 121

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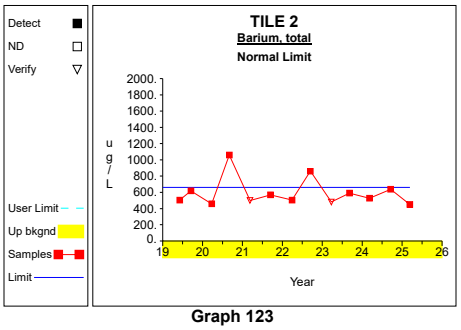


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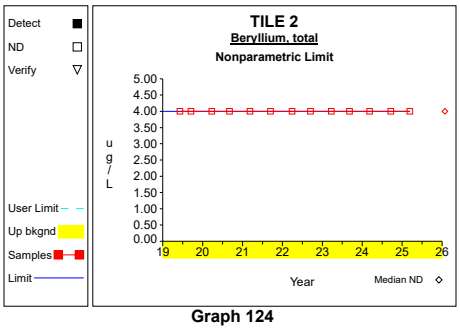


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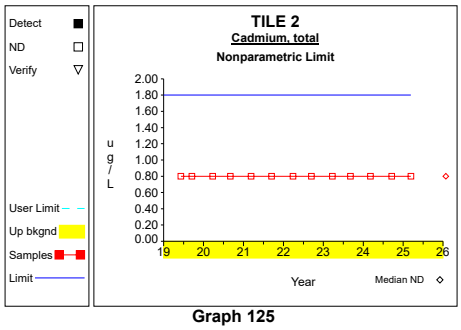
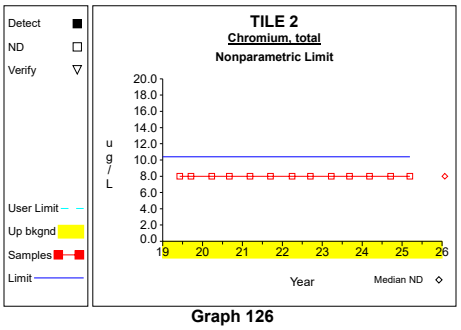
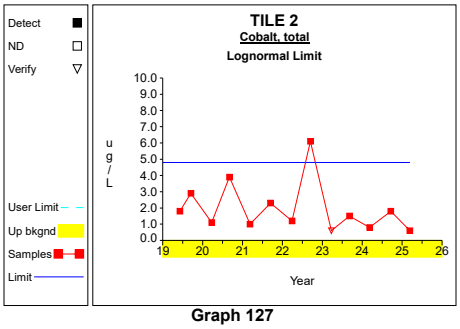


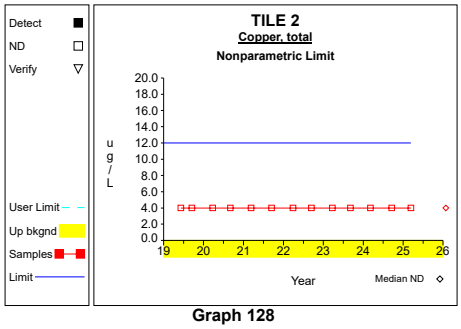

Graph 125




Graph 126




Graph 127

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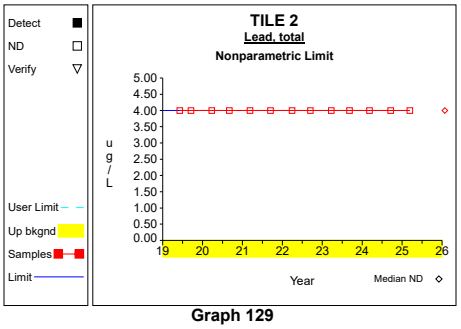


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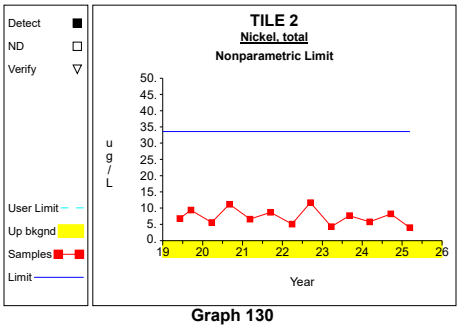


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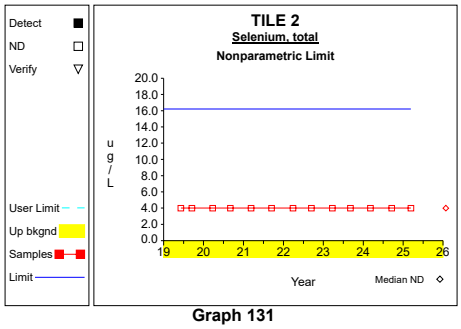
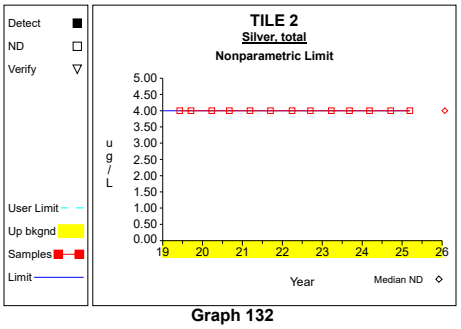
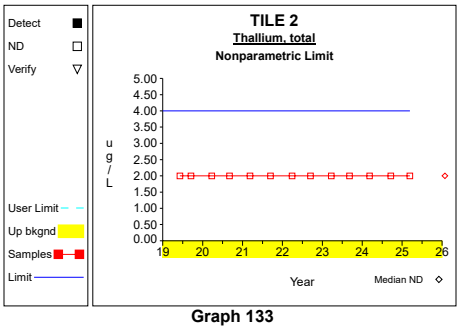


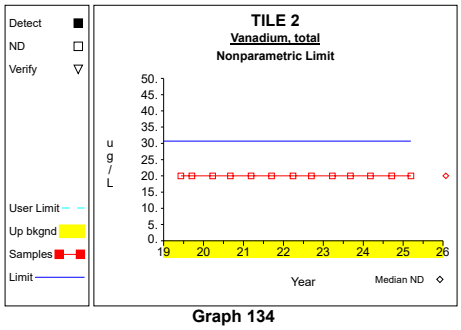

Graph 131



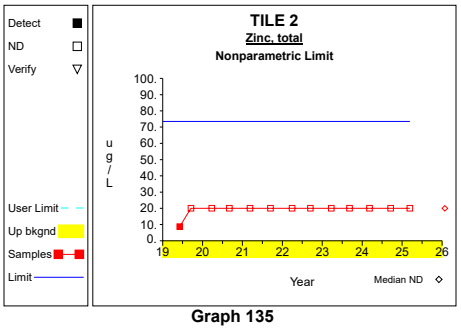

Graph 132




Graph 133




Graph 134

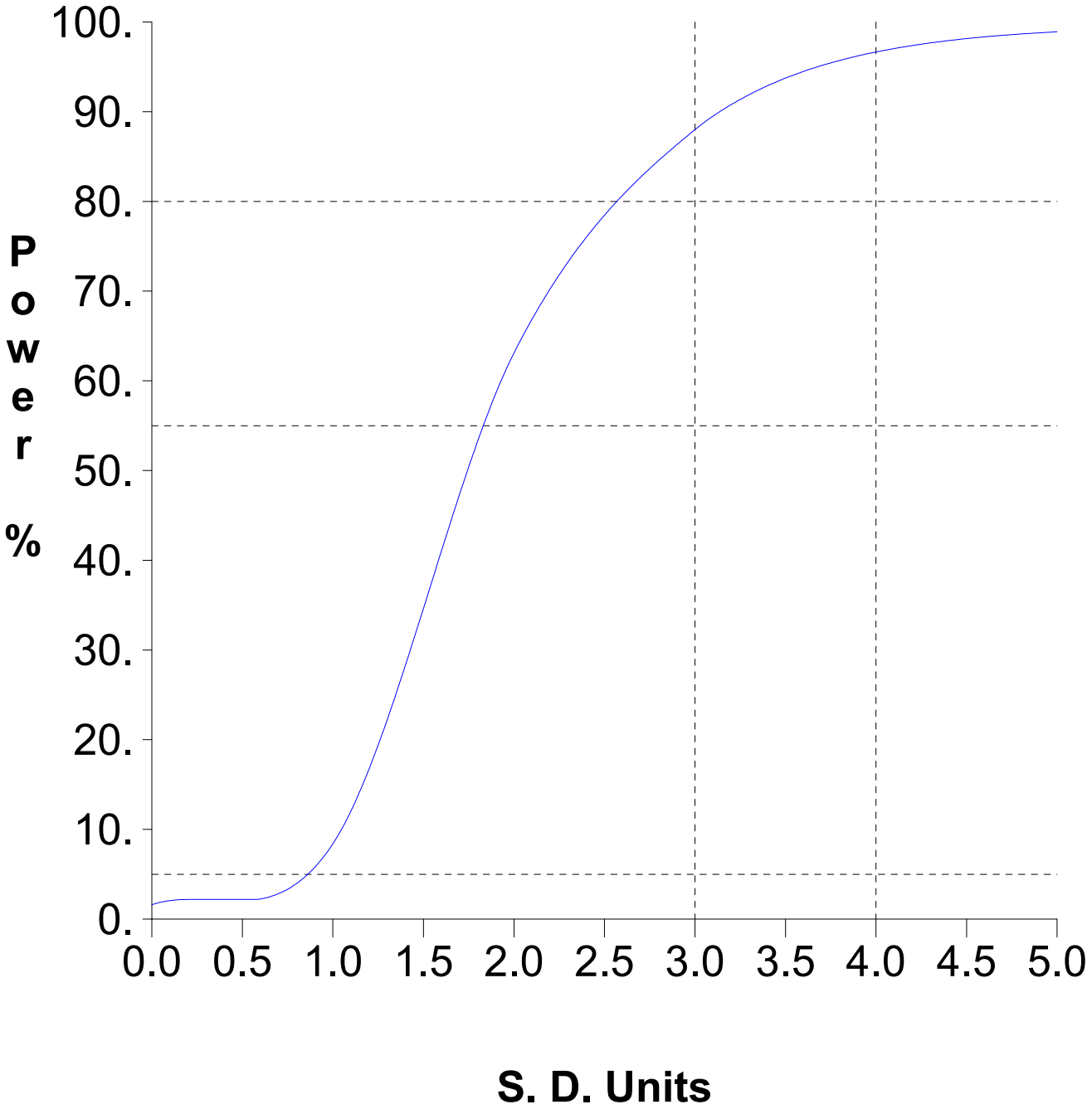



Graph 135

Prepared by: Otter Creek Environmental

# False Positive and False Negative Rates for Current

## Upgradient vs. Downgradient Monitoring Program



**Attachment C**

Assessment Statistics for Verified Trace Metals
Shallow Ground Water

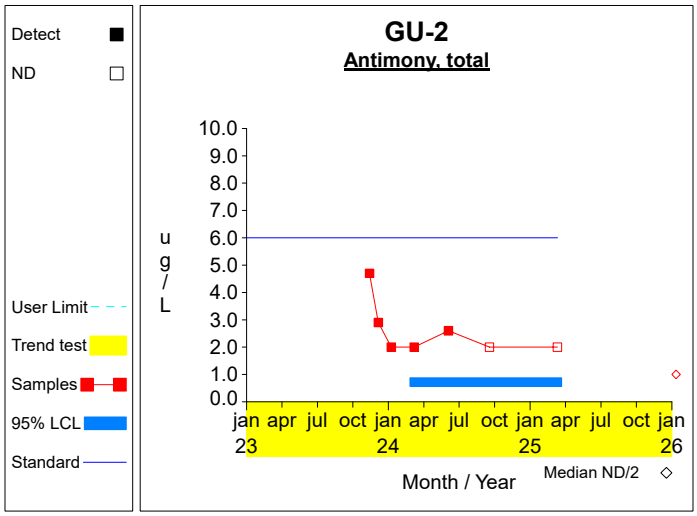
## Table 1

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

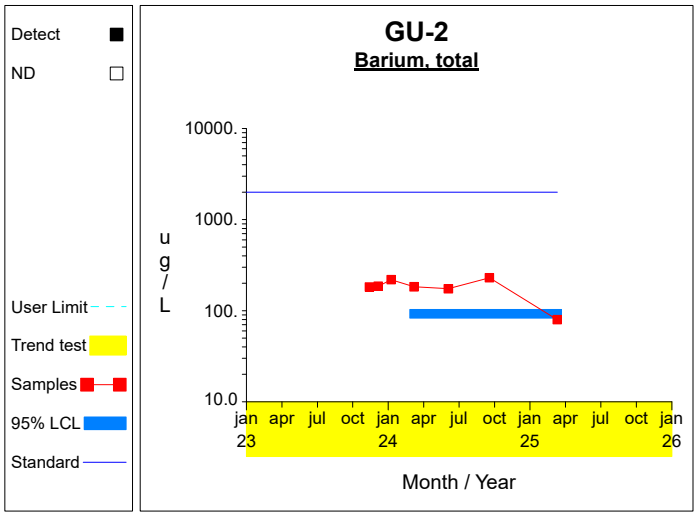
| Constituent | Units | Well | N | Mean | SD | Factor | 95% LCL | 95% UCL | Standard | Trend | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | GU-2 | 4 | 1.650 | 0.790 | 1.176 | 0.721 | 2.579 | 6.000 | | |
| Barium, total | ug/L | GU-2 | 4 | 166.650 | 63.014 | 1.176 | 92.527 | 240.773 | 2000.000 | | |
| Cobalt, total | ug/L | GU-2 | 4 | 0.625 | 0.350 | 1.176 | 0.213 | 1.037 | 2.100 | dec | |
| Nickel, total | ug/L | GU-2 | 4 | 19.125 | 3.183 | 1.176 | 15.381 | 22.869 | 100.000 | dec | |
| Selenium, total | ug/L | GU-2 | 4 | 412.500 | 514.977 | 1.176 | 0.000 | 1018.261 | 50.000 | | |
| Zinc, total | ug/L | GU-2 | 4 | 325.625 | 267.869 | 1.176 | 10.534 | 640.716 | 2000.000 | | |
| Antimony, total | ug/L | GU-A | 4 | 3.125 | 1.900 | 1.176 | 0.890 | 5.360 | 6.000 | dec | |
| Barium, total | ug/L | GU-A | 4 | 81.975 | 95.005 | 1.176 | 0.000 | 193.729 | 2000.000 | | |
| Cobalt, total | ug/L | GU-A | 4 | 1.500 | 1.454 | 1.176 | 0.000 | 3.210 | 2.100 | | |
| Nickel, total | ug/L | GU-A | 4 | 48.975 | 21.954 | 1.176 | 23.151 | 74.799 | 100.000 | | |
| Selenium, total | ug/L | GU-A | 4 | 13.225 | 9.873 | 1.176 | 1.612 | 24.838 | 50.000 | | |
| Zinc, total | ug/L | GU-A | 4 | 874.000 | 643.880 | 1.176 | 116.611 | 1631.389 | 2000.000 | | |
| Antimony, total | ug/L | GU-B | 4 | 3.400 | 3.217 | 1.176 | 0.000 | 7.184 | 6.000 | | |
| Barium, total | ug/L | GU-B | 4 | 143.050 | 108.035 | 1.176 | 15.970 | 270.130 | 2000.000 | | |
| Cobalt, total | ug/L | GU-B | 4 | 3.275 | 4.657 | 1.176 | 0.000 | 8.753 | 2.100 | | |
| Nickel, total | ug/L | GU-B | 4 | 37.125 | 15.669 | 1.176 | 18.694 | 55.556 | 100.000 | | |
| Selenium, total | ug/L | GU-B | 4 | 21.400 | 11.643 | 1.176 | 7.705 | 35.095 | 50.000 | | |
| Zinc, total | ug/L | GU-B | 4 | 252.900 | 353.610 | 1.176 | 0.000 | 668.848 | 2000.000 | | |
| Antimony, total | ug/L | MW-44 | 4 | 1.000 | 0.000 | 1.176 | 1.000 | 1.000 | 6.000 | | |
| Barium, total | ug/L | MW-44 | 4 | 754.000 | 64.679 | 1.176 | 677.919 | 830.081 | 2000.000 | | |
| Cobalt, total | ug/L | MW-44 | 4 | 0.600 | 0.082 | 1.176 | 0.504 | 0.696 | 2.100 | | |
| Nickel, total | ug/L | MW-44 | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 100.000 | | |
| Selenium, total | ug/L | MW-44 | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 50.000 | | |
| Zinc, total | ug/L | MW-44 | 4 | 10.000 | 0.000 | 1.176 | 10.000 | 10.000 | 2000.000 | | |
| Antimony, total | ug/L | MW-45A | 4 | 1.000 | 0.000 | 1.176 | 1.000 | 1.000 | 6.000 | | |
| Barium, total | ug/L | MW-45A | 4 | 93.950 | 4.007 | 1.176 | 89.237 | 98.663 | 2000.000 | | |
| Cobalt, total | ug/L | MW-45A | 4 | 1.900 | 3.400 | 1.176 | 0.000 | 5.899 | 2.100 | | |
| Nickel, total | ug/L | MW-45A | 4 | 3.850 | 1.240 | 1.176 | 2.392 | 5.308 | 100.000 | | |
| Selenium, total | ug/L | MW-45A | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 50.000 | | |
| Zinc, total | ug/L | MW-45A | 4 | 15.700 | 11.400 | 1.176 | 2.290 | 29.110 | 2000.000 | | |
| Antimony, total | ug/L | MW-6A | 4 | 1.000 | 0.000 | 1.176 | 1.000 | 1.000 | 6.000 | | |
| Barium, total | ug/L | MW-6A | 4 | 114.675 | 43.119 | 1.176 | 63.954 | 165.396 | 2000.000 | dec | |
| Cobalt, total | ug/L | MW-6A | 4 | 3.725 | 2.754 | 1.176 | 0.486 | 6.964 | 2.100 | | |
| Nickel, total | ug/L | MW-6A | 4 | 22.325 | 3.255 | 1.176 | 18.496 | 26.154 | 100.000 | | |
| Selenium, total | ug/L | MW-6A | 4 | 2.600 | 1.200 | 1.176 | 1.188 | 4.012 | 50.000 | | |
| Zinc, total | ug/L | MW-6A | 4 | 10.000 | 0.000 | 1.176 | 10.000 | 10.000 | 2000.000 | | |
| Antimony, total | ug/L | TILE 1 | 4 | 1.000 | 0.000 | 1.176 | 1.000 | 1.000 | 6.000 | | |
| Barium, total | ug/L | TILE 1 | 4 | 1959.750 | 820.943 | 1.176 | 994.085 | 2925.415 | 2000.000 | | |
| Cobalt, total | ug/L | TILE 1 | 4 | 2.775 | 0.574 | 1.176 | 2.100 | 3.450 | 2.100 | | ** |
| Nickel, total | ug/L | TILE 1 | 4 | 35.075 | 16.917 | 1.176 | 15.176 | 54.974 | 100.000 | | |
| Selenium, total | ug/L | TILE 1 | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 50.000 | | |
| Zinc, total | ug/L | TILE 1 | 4 | 10.000 | 0.000 | 1.176 | 10.000 | 10.000 | 2000.000 | | |
| Antimony, total | ug/L | TILE 2 | 4 | 1.000 | 0.000 | 1.176 | 1.000 | 1.000 | 6.000 | | |
| Barium, total | ug/L | TILE 2 | 4 | 551.750 | 80.864 | 1.176 | 456.631 | 646.869 | 2000.000 | | |
| Cobalt, total | ug/L | TILE 2 | 4 | 1.175 | 0.568 | 1.176 | 0.507 | 1.843 | 2.100 | | |
| Nickel, total | ug/L | TILE 2 | 4 | 6.425 | 1.919 | 1.176 | 4.168 | 8.682 | 100.000 | | |
| Selenium, total | ug/L | TILE 2 | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 50.000 | | |
| Zinc, total | ug/L | TILE 2 | 4 | 10.000 | 0.000 | 1.176 | 10.000 | 10.000 | 2000.000 | | |

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

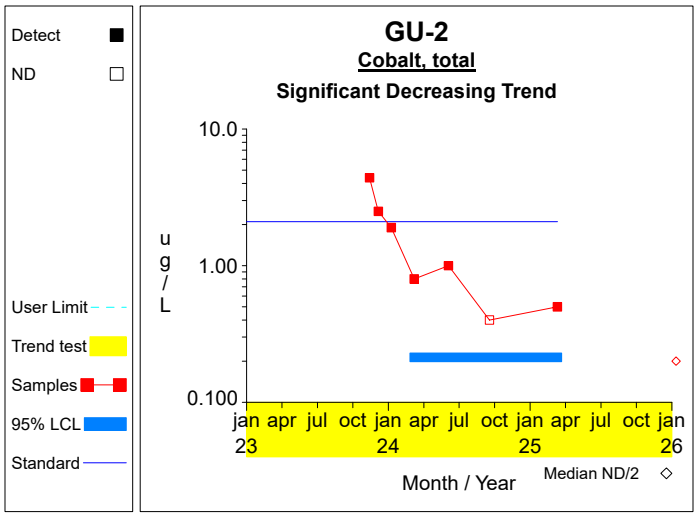
# Confidence Limits (Assessment)



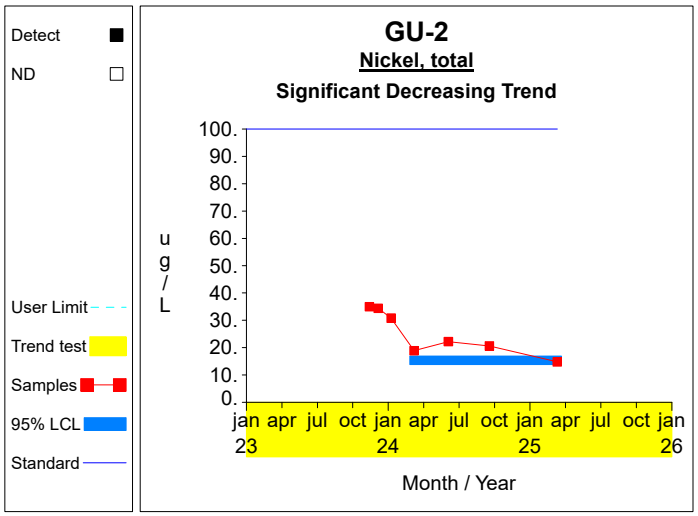

Graph 1



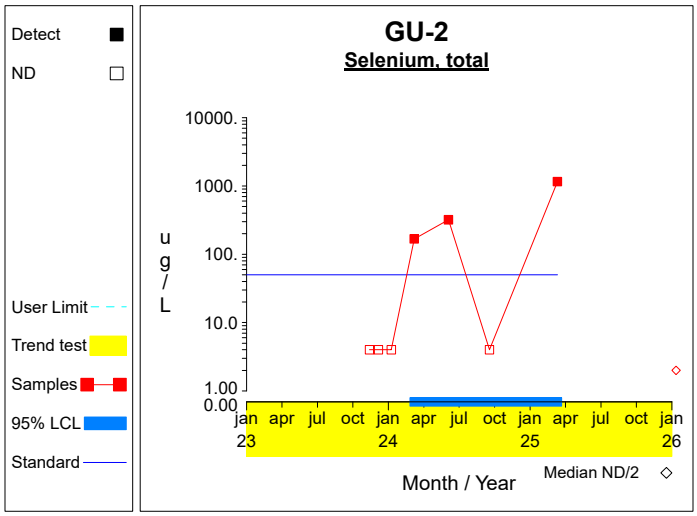

Graph 2



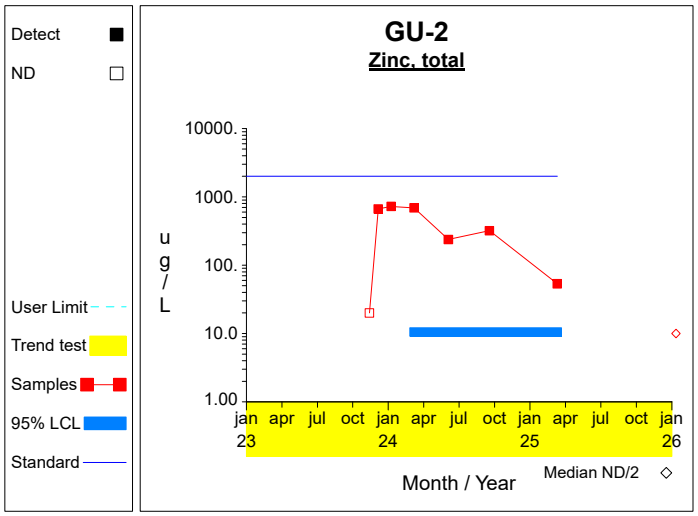

Graph 3




Graph 4




Graph 5




Graph 6

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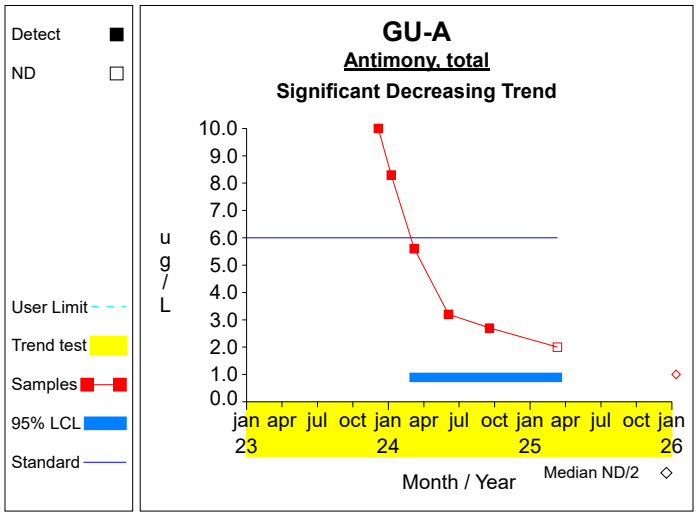
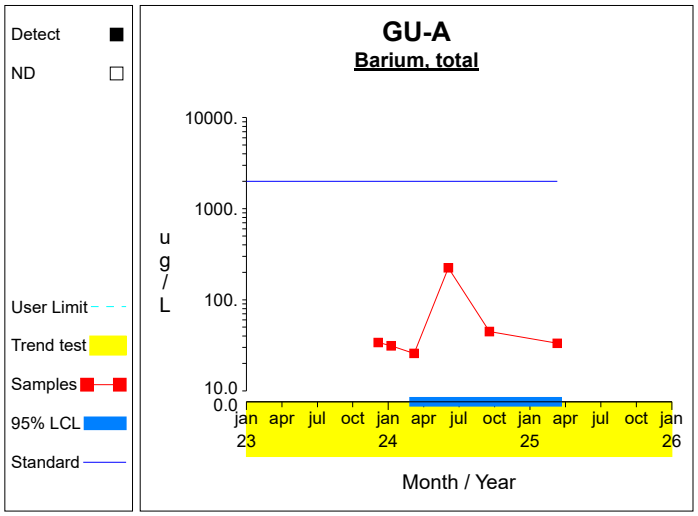
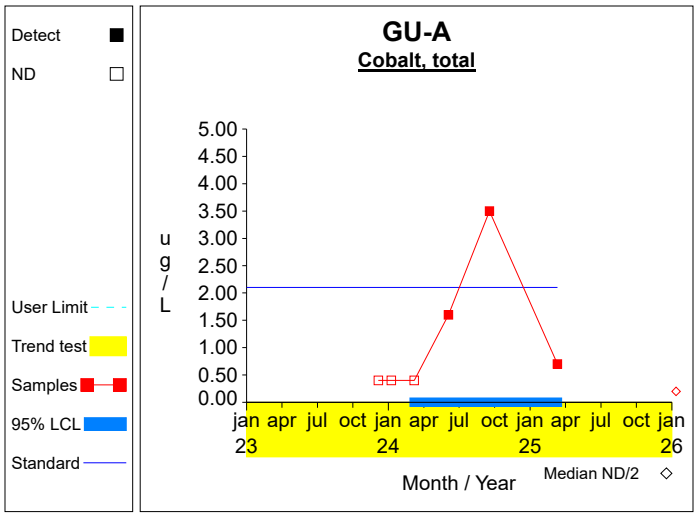
# Confidence Limits (Assessment)



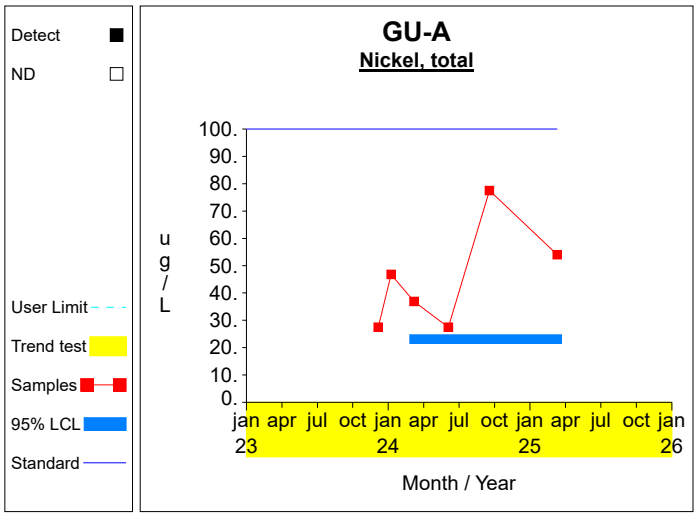

Graph 7



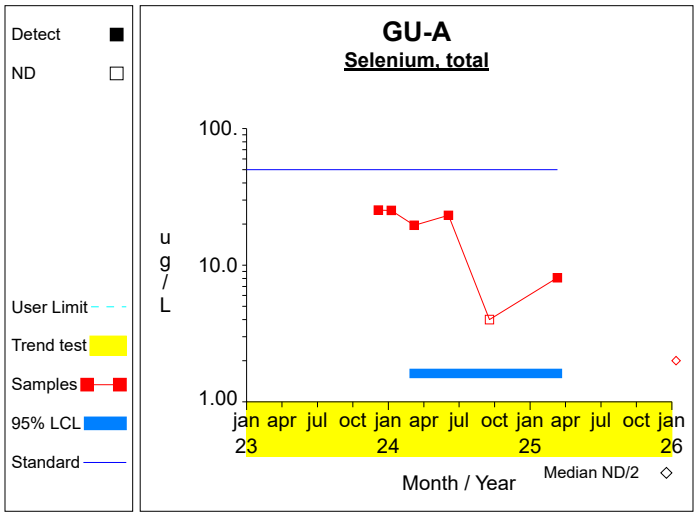

Graph 8



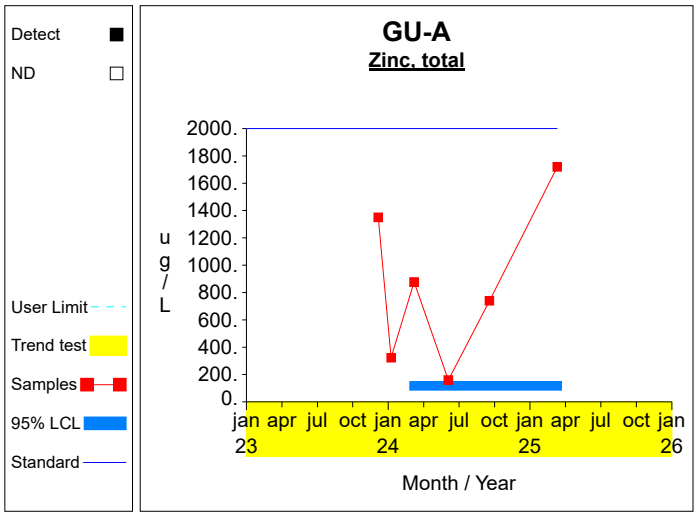

Graph 9




Graph 10



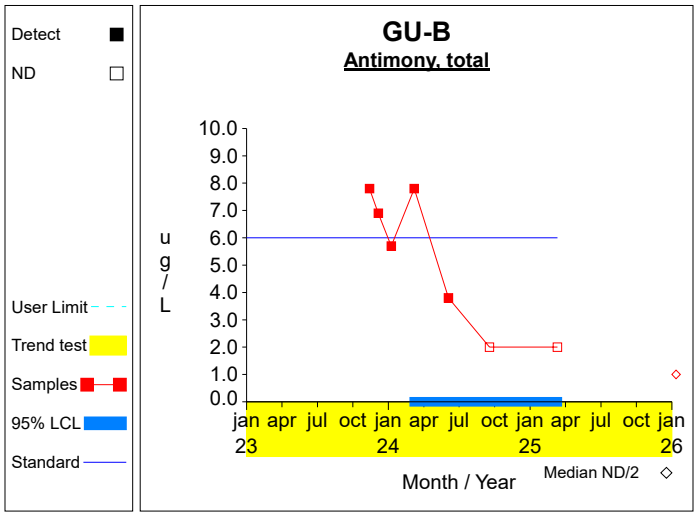

Graph 11



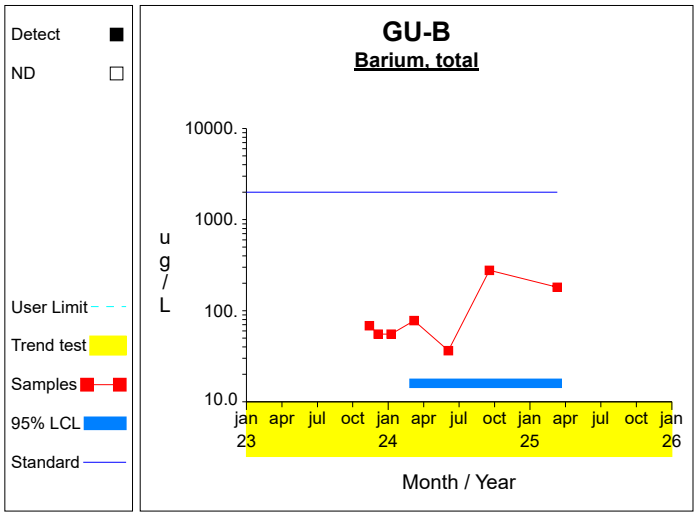

Graph 12

Prepared by: Otter Creek Environmental

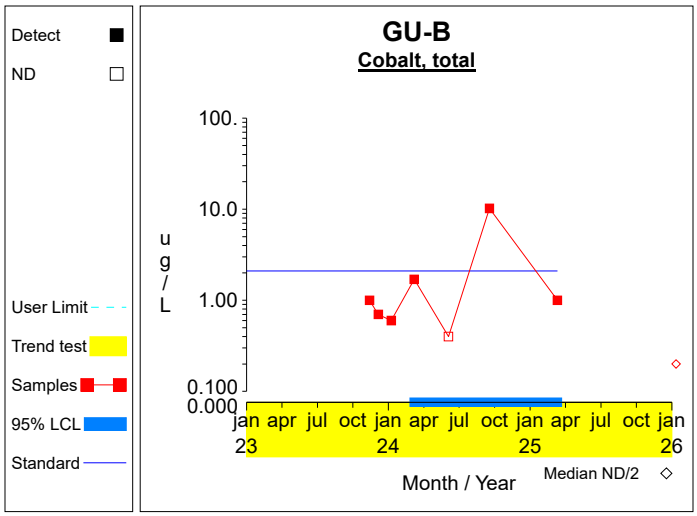
# Confidence Limits (Assessment)



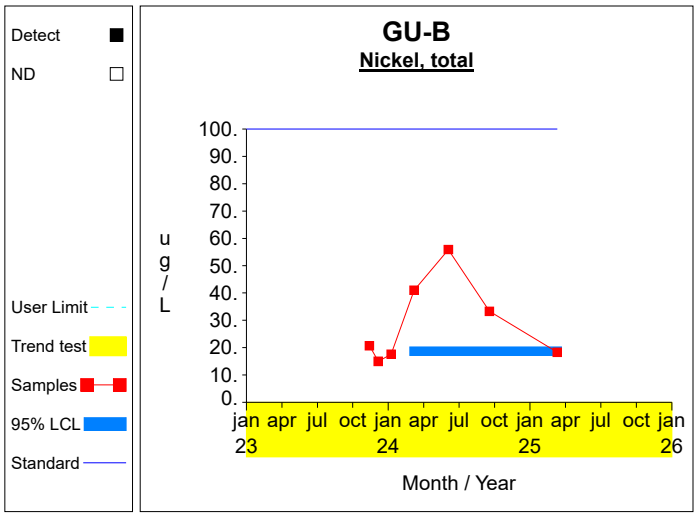

Graph 13



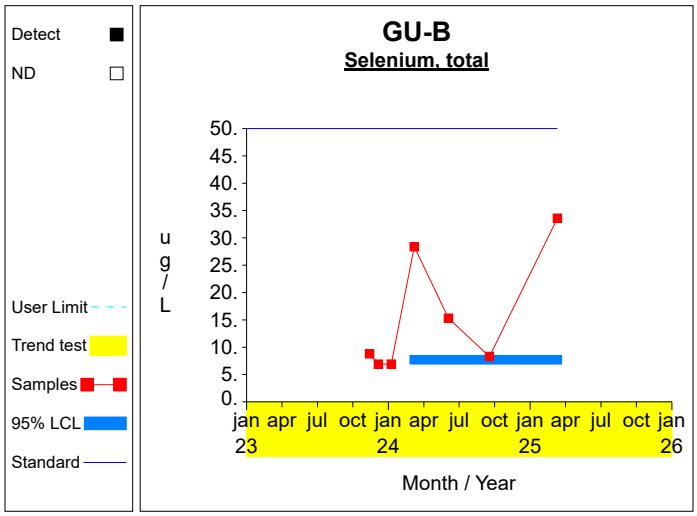

Graph 14



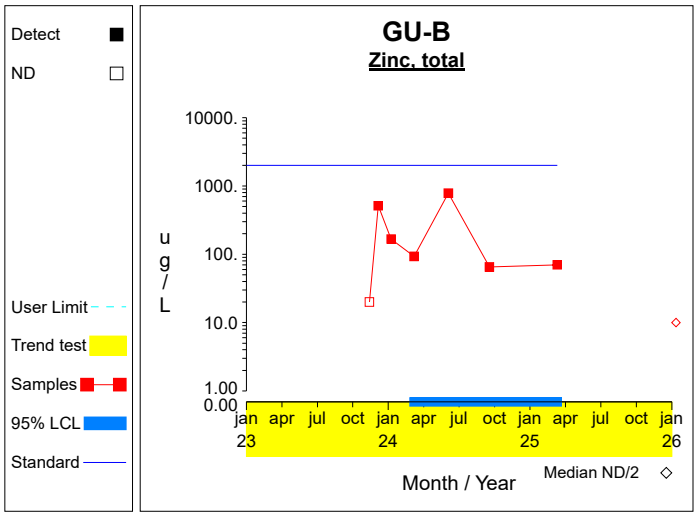

Graph 15




Graph 16



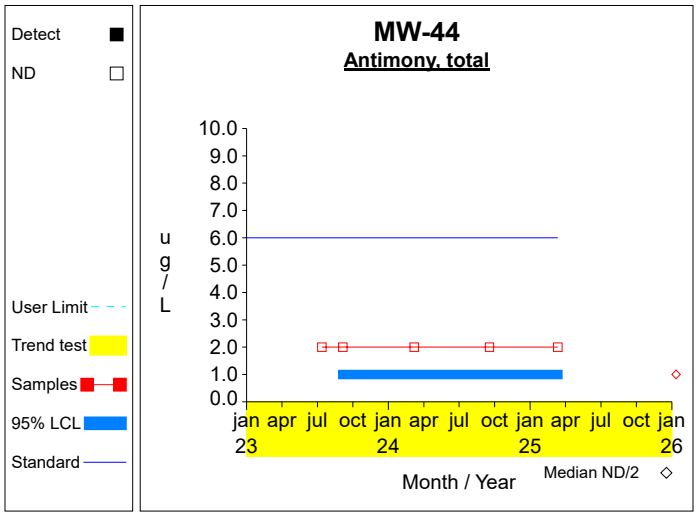

Graph 17



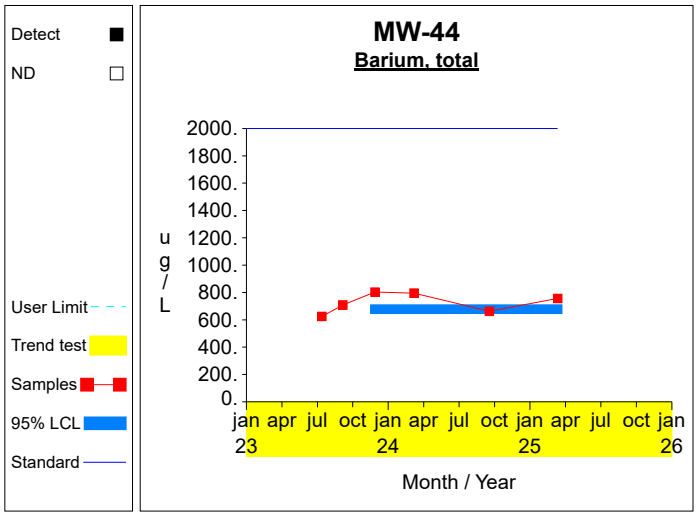

Graph 18

Prepared by: Otter Creek Environmental

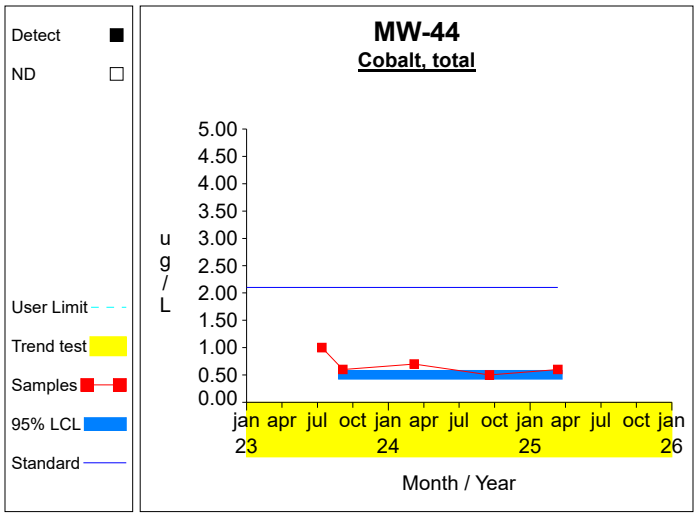
# Confidence Limits (Assessment)



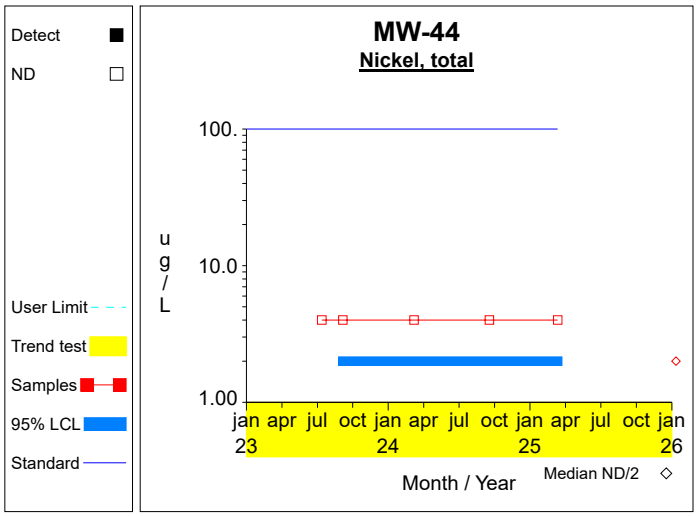

Graph 19



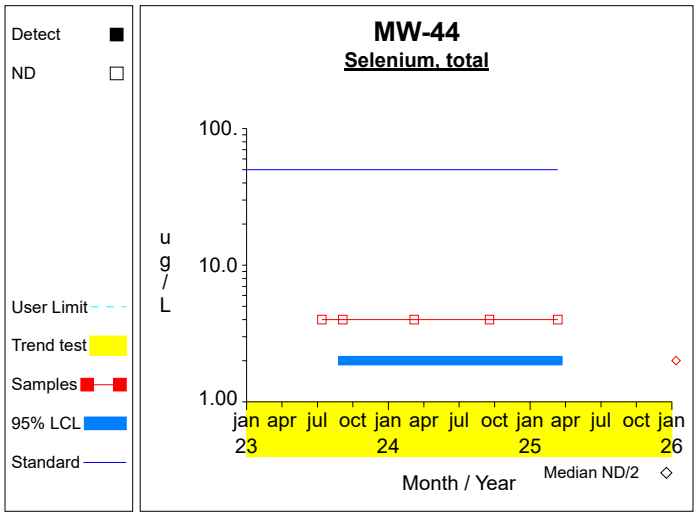

Graph 20



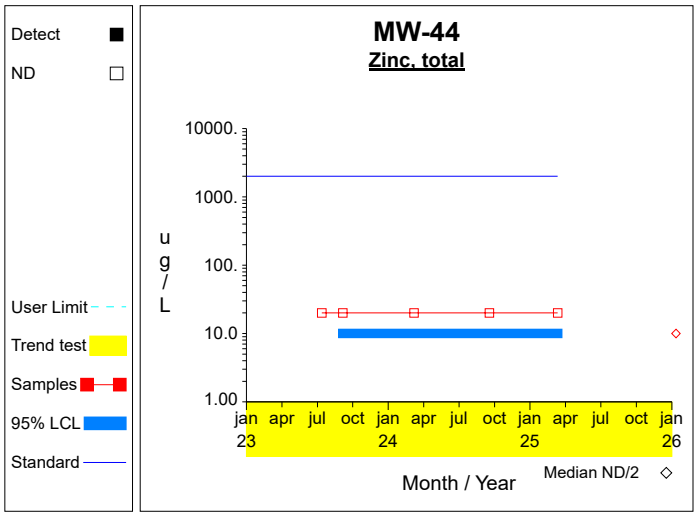

Graph 21




Graph 22



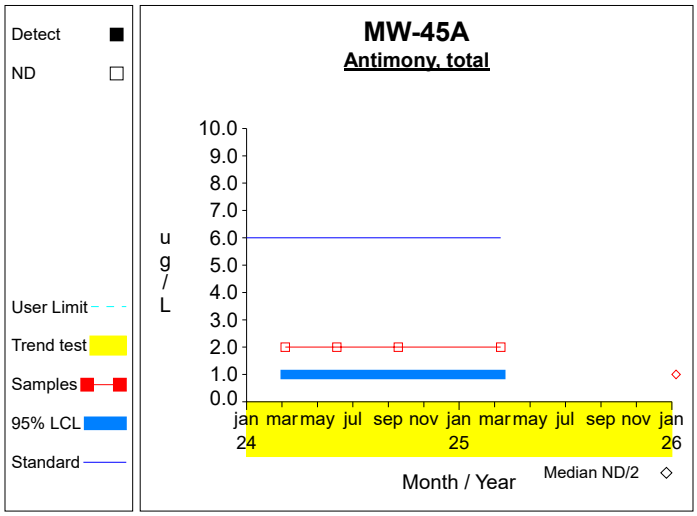

Graph 23



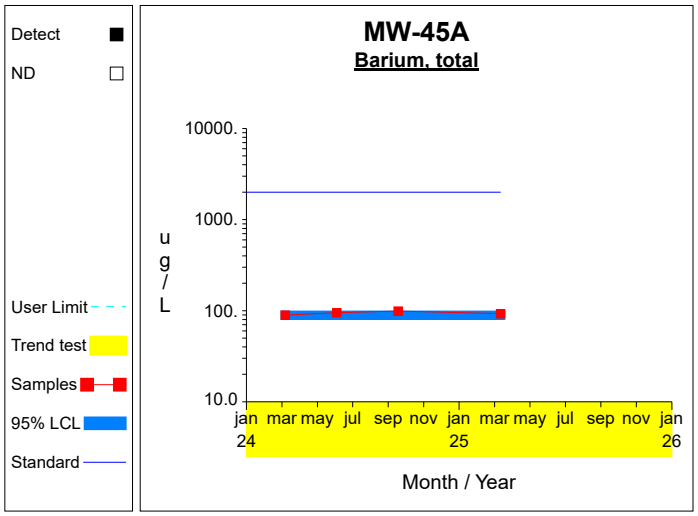

Graph 24

Prepared by: Otter Creek Environmental

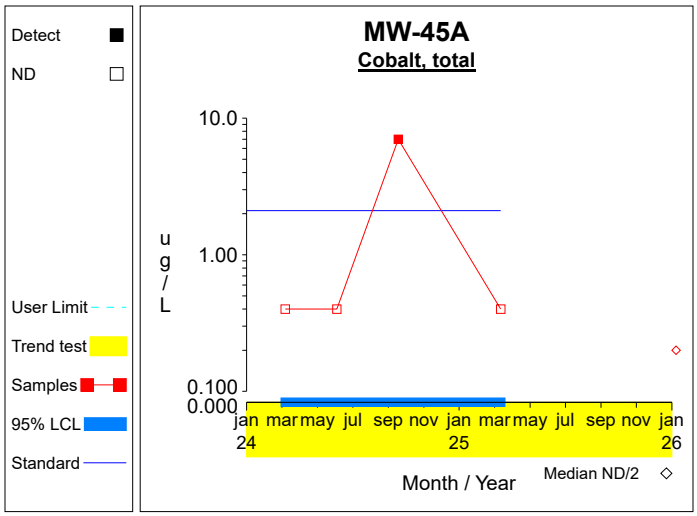
# Confidence Limits (Assessment)



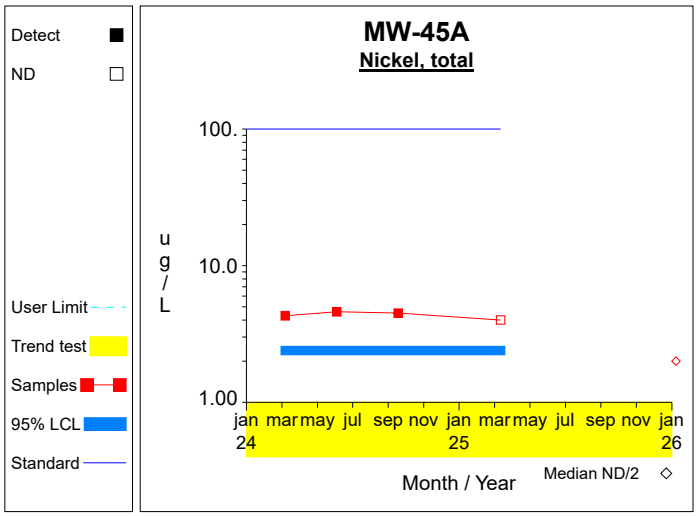

Graph 25



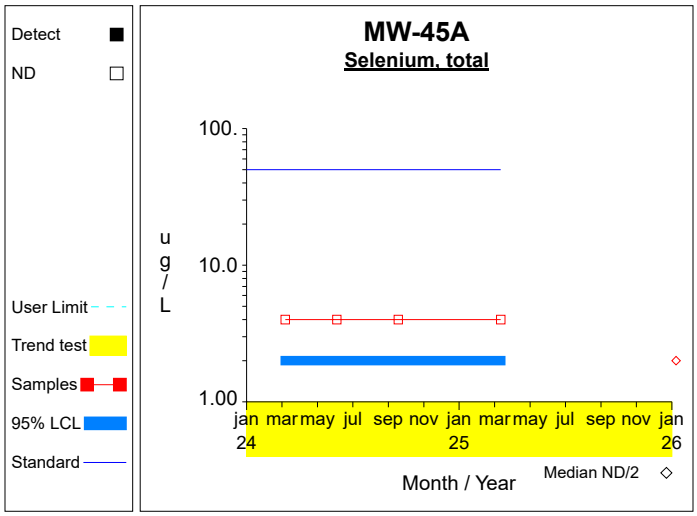

Graph 26



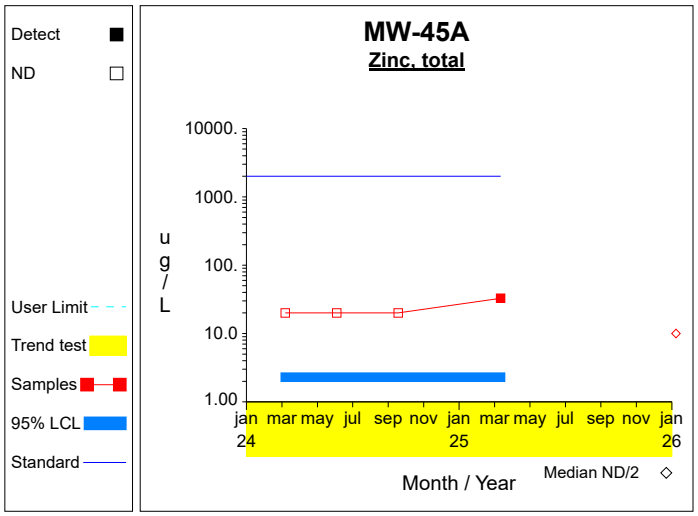

Graph 27




Graph 28



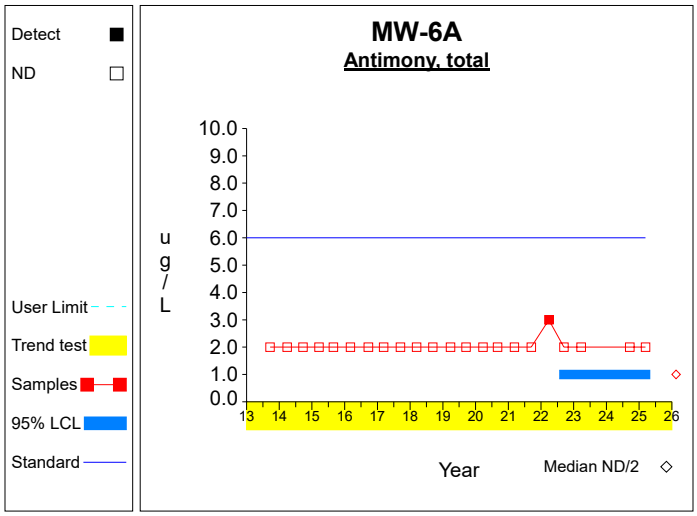

Graph 29



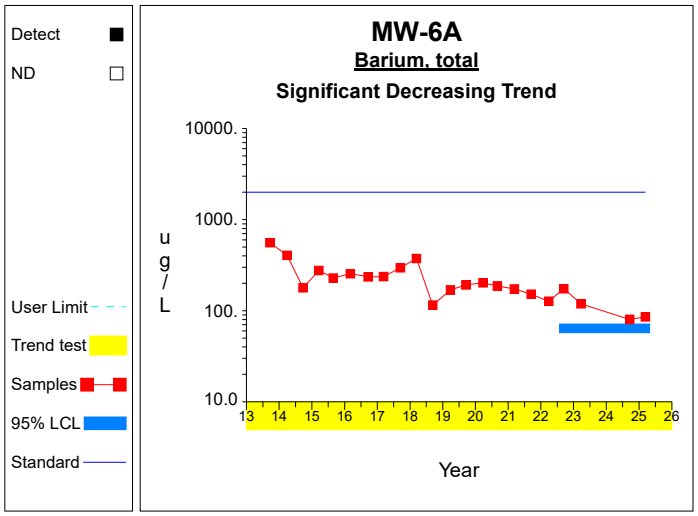

Graph 30

Prepared by: Otter Creek Environmental

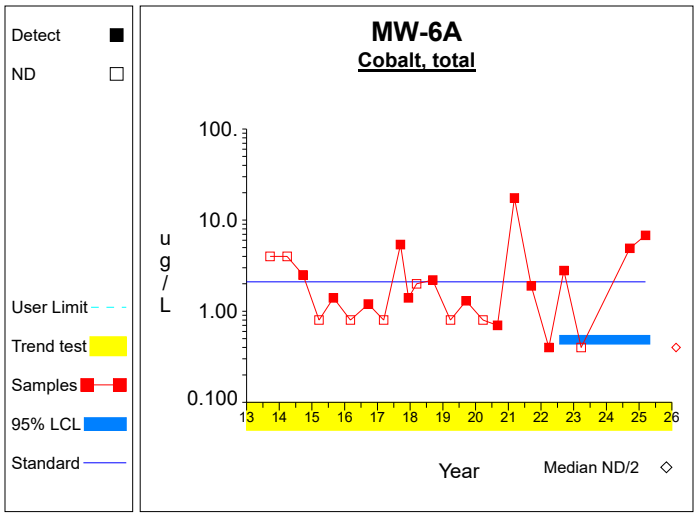
# Confidence Limits (Assessment)



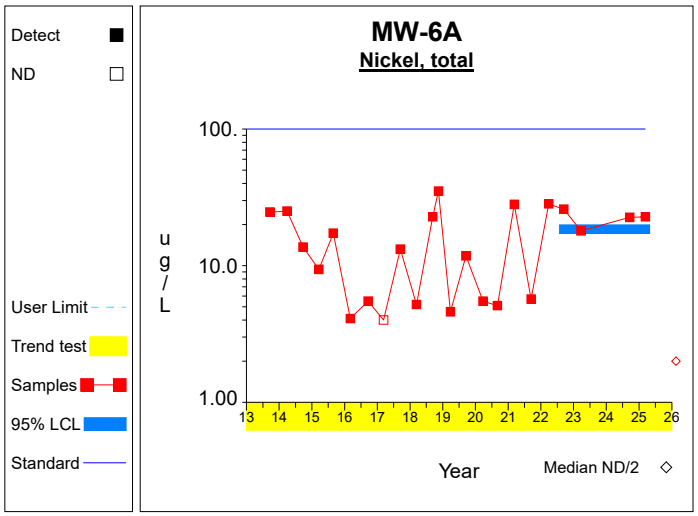

Graph 31



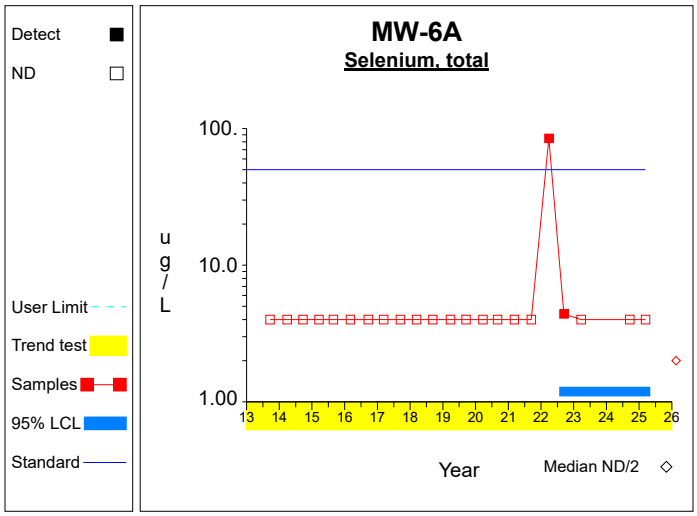

Graph 32



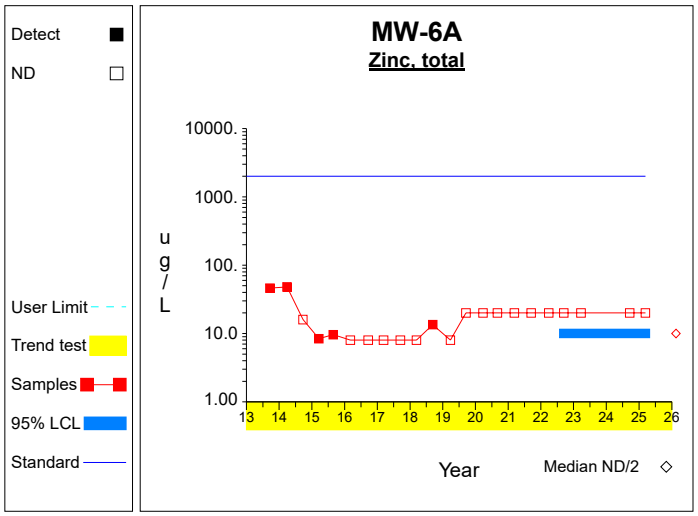

Graph 33




Graph 34



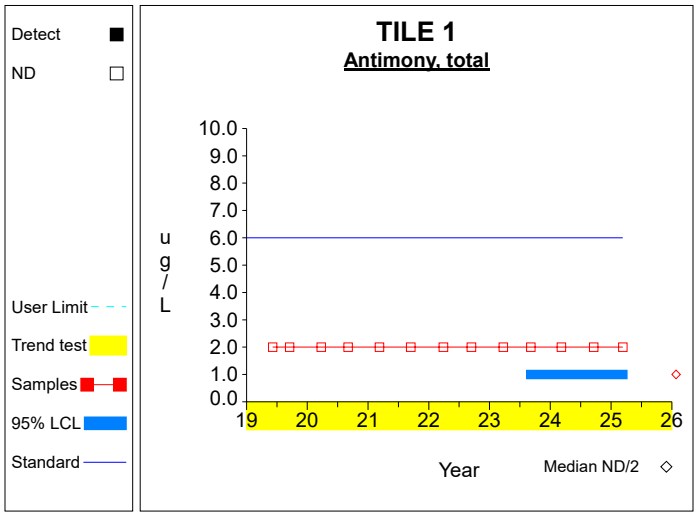

Graph 35



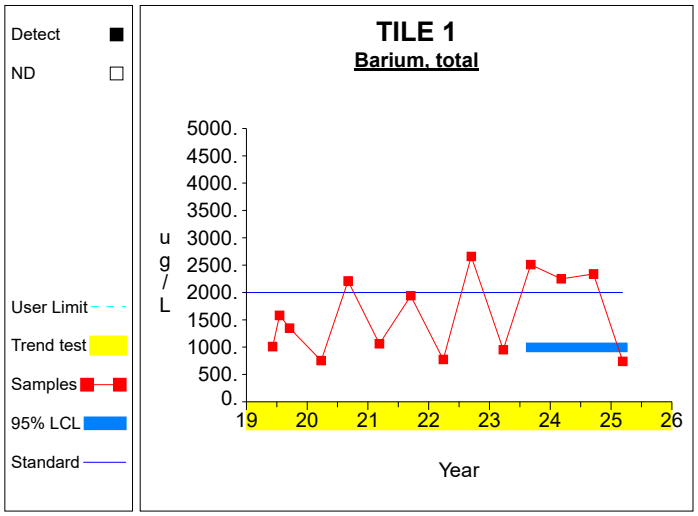

Graph 36

Prepared by: Otter Creek Environmental

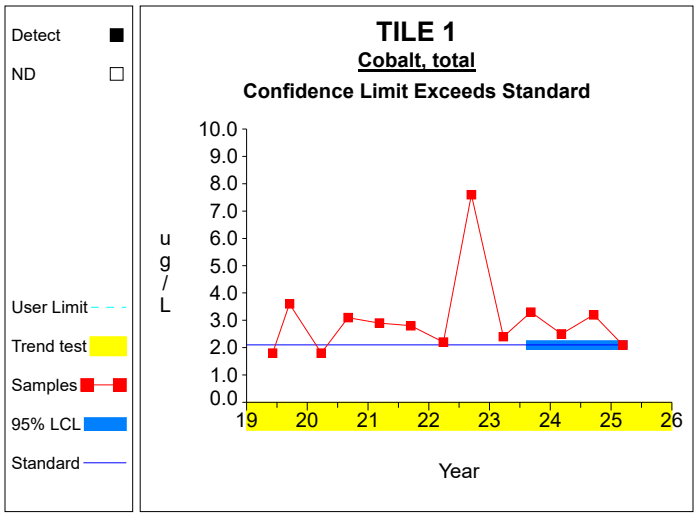
# Confidence Limits (Assessment)



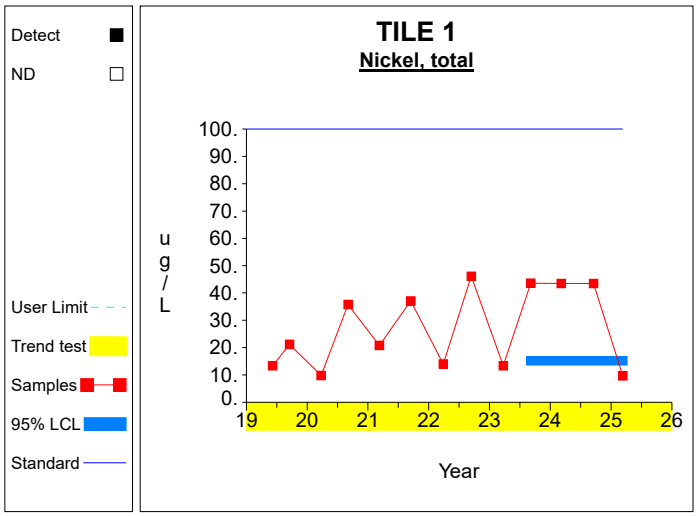

Graph 37



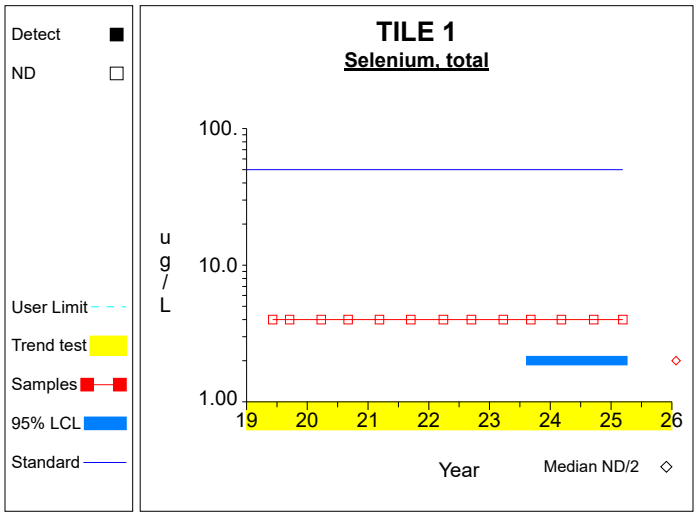

Graph 38



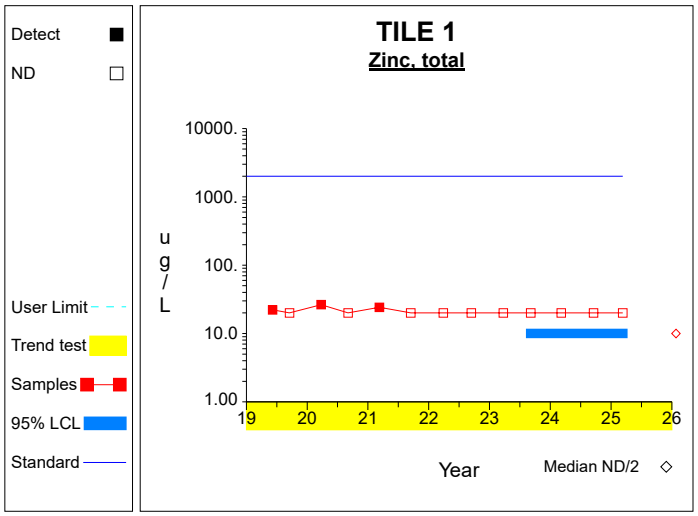

Graph 39




Graph 40



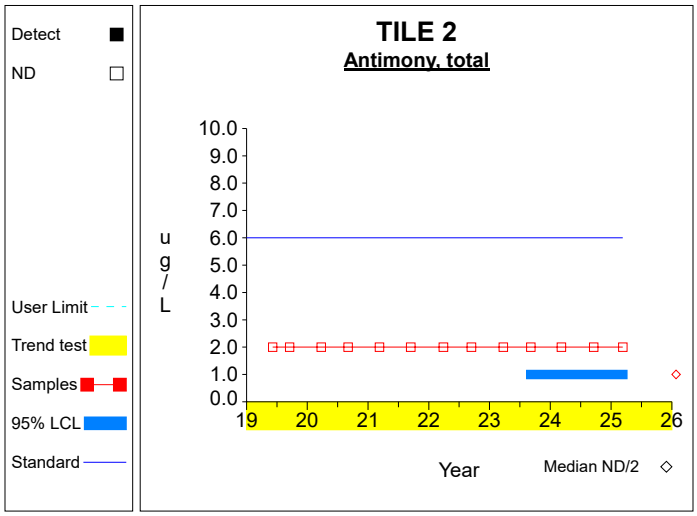

Graph 41



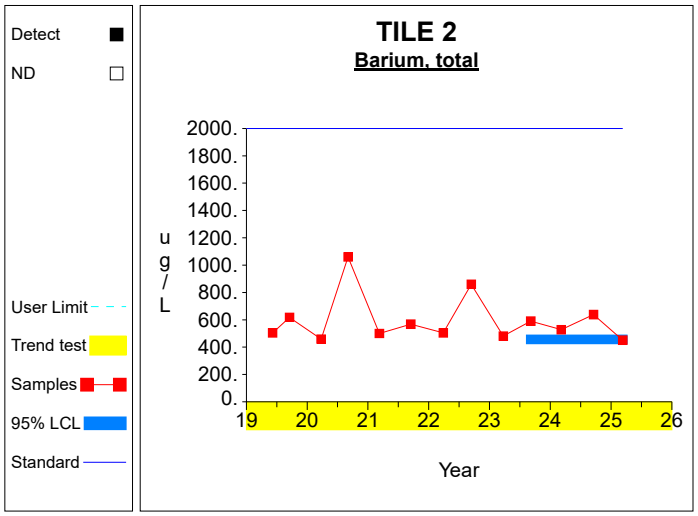

Graph 42

Prepared by: Otter Creek Environmental

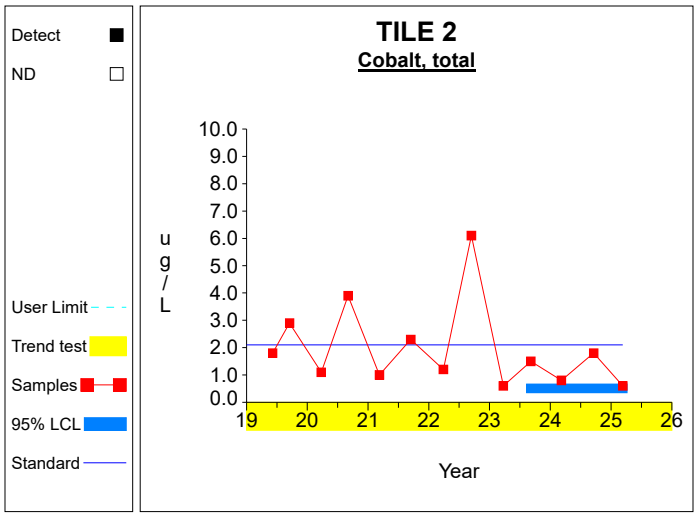
# Confidence Limits (Assessment)



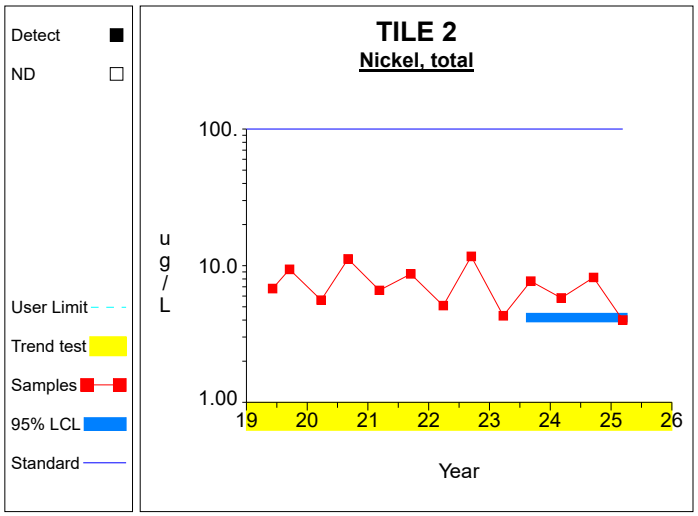

Graph 43



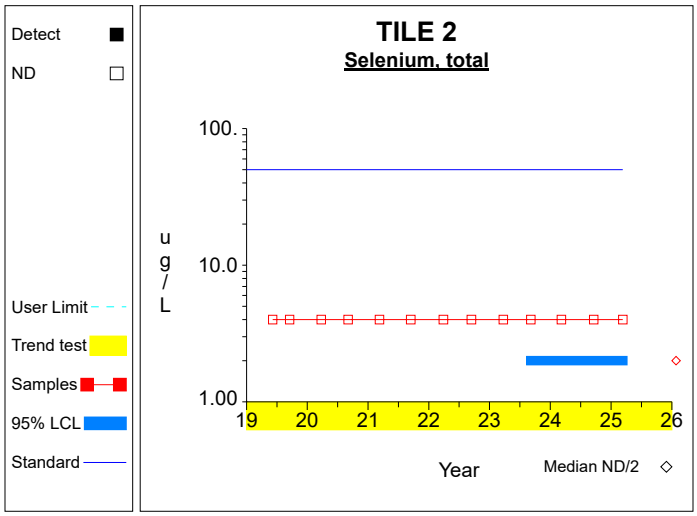

Graph 44



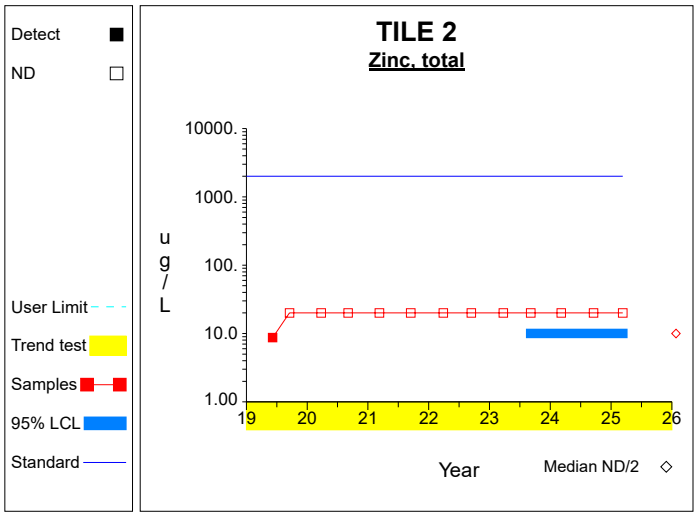

Graph 45




Graph 46




Graph 47




Graph 48

Prepared by: Otter Creek Environmental

**Attachment D**

Summary Tables and Graphs for the Interwell Comparisons
Bedrock Ground Water

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | MW-11C | 09/23/2014 | | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/21/2016 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/09/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/14/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/12/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/10/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/26/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/16/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/24/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/02/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/08/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/14/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/28/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/13/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/23/2023 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/05/2023 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/06/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/18/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/11/2025 | ND | 2.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Barium, total | ug/L | MW-11C | 09/23/2014 | | 130.0000 | | |
| Barium, total | ug/L | MW-11C | 09/21/2016 | | 83.7000 | | |
| Barium, total | ug/L | MW-11C | 03/09/2017 | | 91.5000 | | |
| Barium, total | ug/L | MW-11C | 09/14/2017 | | 75.9000 | | |
| Barium, total | ug/L | MW-11C | 03/12/2018 | | 71.5000 | | |
| Barium, total | ug/L | MW-11C | 09/10/2018 | | 69.9000 | | |
| Barium, total | ug/L | MW-11C | 03/26/2019 | | 70.5000 | | |
| Barium, total | ug/L | MW-11C | 09/16/2019 | | 68.6000 | | |
| Barium, total | ug/L | MW-11C | 03/24/2020 | | 67.8000 | | |
| Barium, total | ug/L | MW-11C | 09/02/2020 | | 58.8000 | | |
| Barium, total | ug/L | MW-11C | 03/08/2021 | | 53.7000 | | |
| Barium, total | ug/L | MW-11C | 09/14/2021 | | 62.3000 | | |
| Barium, total | ug/L | MW-11C | 03/28/2022 | | 53.4000 | | |
| Barium, total | ug/L | MW-11C | 09/13/2022 | | 78.3000 | | |
| Barium, total | ug/L | MW-11C | 03/23/2023 | | 69.2000 | | |
| Barium, total | ug/L | MW-11C | 09/05/2023 | | 72.3000 | | |
| Barium, total | ug/L | MW-11C | 03/06/2024 | | 75.4000 | | |
| Barium, total | ug/L | MW-11C | 09/18/2024 | | 88.4000 | | |
| Barium, total | ug/L | MW-11C | 03/11/2025 | | 81.6000 | | |
| Beryllium, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/06/2024 | 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 | |
|---|---|---|---|---|---|---|---|
| Beryllium, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Cadmium, total | ug/L | MW-11C | 09/23/2014 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/21/2016 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/09/2017 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/14/2017 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/12/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/10/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/26/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/16/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/24/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/14/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/28/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/13/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/23/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/05/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/06/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/18/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/11/2025 | ND | 0.8000 | | |
| Chromium, total | ug/L | MW-11C | 09/23/2014 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/21/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/09/2017 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/14/2017 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/12/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/10/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/26/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/16/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/24/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/08/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/14/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/28/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/13/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/23/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/05/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/06/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/18/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/11/2025 | ND | 8.0000 | | |
| Cobalt, total | ug/L | MW-11C | 09/23/2014 | | 1.3000 | | |
| Cobalt, total | ug/L | MW-11C | 09/21/2016 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 03/09/2017 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 09/14/2017 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 03/12/2018 | ND | 2.0000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 09/10/2018 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 03/26/2019 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 09/16/2019 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 03/24/2020 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 09/02/2020 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 03/08/2021 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 09/14/2021 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 03/28/2022 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 09/13/2022 | | 3.6000 | | |
| Cobalt, total | ug/L | MW-11C | 03/23/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 09/05/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 03/06/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 09/18/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 03/11/2025 | ND | 0.4000 | | |
| Copper, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/23/2023 | 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 | |
|---|---|---|---|---|---|---|---|
| Copper, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/23/2014 | | 9.5000 | | |
| Nickel, total | ug/L | MW-11C | 09/21/2016 | | 4.9000 | | |
| Nickel, total | ug/L | MW-11C | 03/09/2017 | | 5.9000 | | |
| Nickel, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Silver, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 03/26/2019 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/16/2019 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/24/2020 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/02/2020 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/08/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/14/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/28/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/13/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/23/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/05/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/06/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/18/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/11/2025 | ND | 2.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/23/2014 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/21/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/09/2017 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/14/2017 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/12/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/10/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/26/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/16/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/24/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/02/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/14/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/28/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/13/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/23/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/05/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/06/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/11/2025 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/23/2014 | | 20.7000 | | |
| Zinc, total | ug/L | MW-11C | 09/21/2016 | | 11.9000 | | |
| Zinc, total | ug/L | MW-11C | 03/09/2017 | | 15.8000 | | |
| Zinc, total | ug/L | MW-11C | 09/14/2017 | ND | 8.0000 | 20.0000 | ** |
| Zinc, total | ug/L | MW-11C | 03/12/2018 | ND | 8.0000 | 20.0000 | ** |
| Zinc, total | ug/L | MW-11C | 09/10/2018 | ND | 8.0000 | 20.0000 | ** |
| Zinc, total | ug/L | MW-11C | 03/26/2019 | ND | 8.0000 | 20.0000 | ** |
| Zinc, total | ug/L | MW-11C | 09/16/2019 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 03/24/2020 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/02/2020 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 03/08/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/14/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 03/28/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/13/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 03/23/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/05/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 03/06/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/18/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 03/11/2025 | ND | 20.0000 | | |
| Antimony, total | ug/L | MW-39D | 09/02/2020 | | 2.1000 | | |
| Antimony, total | ug/L | MW-39D | 03/08/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 09/14/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 03/28/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 09/13/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 03/23/2023 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 09/05/2023 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 03/06/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 09/18/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 03/11/2025 | ND | 2.0000 | | |
| Arsenic, total | ug/L | MW-39D | 09/02/2020 | | 5.8000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Arsenic, total | ug/L | MW-39D | 03/08/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Barium, total | ug/L | MW-39D | 09/02/2020 | | 45.7000 | | |
| Barium, total | ug/L | MW-39D | 03/08/2021 | | 54.9000 | | |
| Barium, total | ug/L | MW-39D | 09/14/2021 | | 38.3000 | | |
| Barium, total | ug/L | MW-39D | 03/28/2022 | | 36.5000 | | |
| Barium, total | ug/L | MW-39D | 09/13/2022 | | 51.0000 | | |
| Barium, total | ug/L | MW-39D | 03/23/2023 | | 34.8000 | | |
| Barium, total | ug/L | MW-39D | 09/05/2023 | | 33.5000 | | |
| Barium, total | ug/L | MW-39D | 03/06/2024 | | 34.5000 | | |
| Barium, total | ug/L | MW-39D | 09/18/2024 | | 26.1000 | | |
| Barium, total | ug/L | MW-39D | 03/11/2025 | | 26.9000 | | |
| Beryllium, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Cadmium, total | ug/L | MW-39D | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 09/14/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 03/28/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 09/13/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 03/23/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 09/05/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 03/06/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 09/18/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 03/11/2025 | ND | 0.8000 | | |
| Chromium, total | ug/L | MW-39D | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 03/08/2021 | | 13.2000 | | |
| Chromium, total | ug/L | MW-39D | 09/14/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 03/28/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 09/13/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 03/23/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 09/05/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 03/06/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 09/18/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 03/11/2025 | ND | 8.0000 | | |
| Cobalt, total | ug/L | MW-39D | 09/02/2020 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 03/08/2021 | | 2.6000 | | |
| Cobalt, total | ug/L | MW-39D | 09/14/2021 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 03/28/2022 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 09/13/2022 | | 3.3000 | | |
| Cobalt, total | ug/L | MW-39D | 03/23/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 09/05/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 03/06/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 09/18/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 03/11/2025 | | 1.1000 | | |
| Copper, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 03/08/2021 | | 5.6000 | | |
| Copper, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Lead, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 03/08/2021 | | 10.6000 | | |
| Nickel, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-39D | 09/02/2020 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 03/08/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 09/14/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 03/28/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 09/13/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 03/23/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 09/05/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 03/06/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 09/18/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 03/11/2025 | ND | 2.0000 | | |
| Vanadium, total | ug/L | MW-39D | 09/02/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 03/08/2021 | | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 09/14/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 03/28/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 09/13/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 03/23/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 09/05/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 03/06/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 09/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 03/11/2025 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 09/02/2020 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 03/08/2021 | | 20.7000 | | |
| Zinc, total | ug/L | MW-39D | 09/14/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 03/28/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 09/13/2022 | | 25.0000 | | |
| Zinc, total | ug/L | MW-39D | 03/23/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 09/05/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 03/06/2024 | | 20.4000 | | |
| Zinc, total | ug/L | MW-39D | 09/18/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 03/11/2025 | ND | 20.0000 | | |
| Antimony, total | ug/L | MW-41D | 09/02/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 03/08/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 09/14/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 03/28/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 09/13/2022 | | 2.6000 | | |
| Antimony, total | ug/L | MW-41D | 03/23/2023 | | 2.8000 | | |
| Antimony, total | ug/L | MW-41D | 09/05/2023 | | 3.1000 | | |
| Antimony, total | ug/L | MW-41D | 03/06/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 09/18/2024 | ND | 2.0000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | MW-41D | 03/11/2025 | ND | 2.0000 | | |
| Arsenic, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 03/08/2021 | | 5.2000 | | |
| Arsenic, total | ug/L | MW-41D | 09/14/2021 | | 4.7000 | | |
| Arsenic, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Barium, total | ug/L | MW-41D | 09/02/2020 | | 38.4000 | | |
| Barium, total | ug/L | MW-41D | 03/08/2021 | | 34.4000 | | |
| Barium, total | ug/L | MW-41D | 09/14/2021 | | 30.5000 | | |
| Barium, total | ug/L | MW-41D | 03/28/2022 | | 33.7000 | | |
| Barium, total | ug/L | MW-41D | 09/13/2022 | | 31.3000 | | |
| Barium, total | ug/L | MW-41D | 03/23/2023 | | 32.2000 | | |
| Barium, total | ug/L | MW-41D | 09/05/2023 | | 30.3000 | | |
| Barium, total | ug/L | MW-41D | 03/06/2024 | | 32.6000 | | |
| Barium, total | ug/L | MW-41D | 09/18/2024 | | 33.7000 | | |
| Barium, total | ug/L | MW-41D | 03/11/2025 | | 32.7000 | | |
| Beryllium, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 09/14/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Cadmium, total | ug/L | MW-41D | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 09/14/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 03/28/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 09/13/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 03/23/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 09/05/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 03/06/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 09/18/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 03/11/2025 | ND | 0.8000 | | |
| Chromium, total | ug/L | MW-41D | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 03/08/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 09/14/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 03/28/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 09/13/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 03/23/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 09/05/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 03/06/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 09/18/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 03/11/2025 | ND | 8.0000 | | |
| Cobalt, total | ug/L | MW-41D | 09/02/2020 | | 5.1000 | | |
| Cobalt, total | ug/L | MW-41D | 03/08/2021 | | 3.9000 | | |
| Cobalt, total | ug/L | MW-41D | 09/14/2021 | | 2.6000 | | |
| Cobalt, total | ug/L | MW-41D | 03/28/2022 | | 2.5000 | | |
| Cobalt, total | ug/L | MW-41D | 09/13/2022 | | 5.4000 | | |
| Cobalt, total | ug/L | MW-41D | 03/23/2023 | | 1.2000 | | |
| Cobalt, total | ug/L | MW-41D | 09/05/2023 | | 0.9000 | | |
| Cobalt, total | ug/L | MW-41D | 03/06/2024 | | 1.0000 | | |
| Cobalt, total | ug/L | MW-41D | 09/18/2024 | | 1.0000 | | |
| Cobalt, total | ug/L | MW-41D | 03/11/2025 | | 1.3000 | | |
| Copper, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 03/08/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 09/14/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 09/14/2021 | ND | 4.0000 | | |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Lead, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-41D | 09/02/2020 | | 11.8000 | | |
| Nickel, total | ug/L | MW-41D | 03/08/2021 | | 6.7000 | | |
| Nickel, total | ug/L | MW-41D | 09/14/2021 | | 6.6000 | | |
| Nickel, total | ug/L | MW-41D | 03/28/2022 | | 6.7000 | | |
| Nickel, total | ug/L | MW-41D | 09/13/2022 | | 10.3000 | | |
| Nickel, total | ug/L | MW-41D | 03/23/2023 | | 8.5000 | | |
| Nickel, total | ug/L | MW-41D | 09/05/2023 | | 7.5000 | | |
| Nickel, total | ug/L | MW-41D | 03/06/2024 | | 4.3000 | | |
| Nickel, total | ug/L | MW-41D | 09/18/2024 | | 5.2000 | | |
| Nickel, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-41D | 09/02/2020 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 03/08/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 09/14/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 03/28/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 09/13/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 03/23/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 09/05/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 03/06/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 09/18/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 03/11/2025 | ND | 2.0000 | | |
| Vanadium, total | ug/L | MW-41D | 09/02/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 03/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 09/14/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 03/28/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 09/13/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 03/23/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 09/05/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 03/06/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 09/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 03/11/2025 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 09/02/2020 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 03/08/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 09/14/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 03/28/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 09/13/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 03/23/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 09/05/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 03/06/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 09/18/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 03/11/2025 | ND | 20.0000 | | |
| Antimony, total | ug/L | MW-42D | 09/02/2020 | | 10.9000 | | |
| Antimony, total | ug/L | MW-42D | 03/08/2021 | | 8.9000 | | |
| Antimony, total | ug/L | MW-42D | 09/14/2021 | | 9.4000 | | |
| Antimony, total | ug/L | MW-42D | 03/28/2022 | | 7.4000 | | |
| Antimony, total | ug/L | MW-42D | 09/13/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-42D | 03/23/2023 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-42D | 09/05/2023 | ND | 2.0000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | MW-42D | 03/06/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-42D | 09/18/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-42D | 03/11/2025 | ND | 2.0000 | | |
| Arsenic, total | ug/L | MW-42D | 09/02/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-42D | 09/14/2021 | | 4.3000 | | |
| Arsenic, total | ug/L | MW-42D | 03/28/2022 | | 5.0000 | | |
| Arsenic, total | ug/L | MW-42D | 09/13/2022 | | 5.7000 | | |
| Arsenic, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-42D | 09/05/2023 | | 4.3000 | | |
| Arsenic, total | ug/L | MW-42D | 03/06/2024 | | 4.2000 | | |
| Arsenic, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Barium, total | ug/L | MW-42D | 09/02/2020 | | 58.3000 | | |
| Barium, total | ug/L | MW-42D | 03/08/2021 | | 53.5000 | | |
| Barium, total | ug/L | MW-42D | 09/14/2021 | | 55.5000 | | |
| Barium, total | ug/L | MW-42D | 03/28/2022 | | 52.3000 | | |
| Barium, total | ug/L | MW-42D | 09/13/2022 | | 44.7000 | | |
| Barium, total | ug/L | MW-42D | 03/23/2023 | | 40.1000 | | |
| Barium, total | ug/L | MW-42D | 09/05/2023 | | 36.6000 | | |
| Barium, total | ug/L | MW-42D | 03/06/2024 | | 37.0000 | | |
| Barium, total | ug/L | MW-42D | 09/18/2024 | | 30.6000 | | |
| Barium, total | ug/L | MW-42D | 03/11/2025 | | 29.9000 | | |
| Beryllium, total | ug/L | MW-42D | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Cadmium, total | ug/L | MW-42D | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 09/14/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 03/28/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 09/13/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 03/23/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 09/05/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 03/06/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 09/18/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 03/11/2025 | ND | 0.8000 | | |
| Chromium, total | ug/L | MW-42D | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 03/08/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 09/14/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 03/28/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 09/13/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 03/23/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 09/05/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 03/06/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 09/18/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 03/11/2025 | ND | 8.0000 | | |
| Cobalt, total | ug/L | MW-42D | 09/02/2020 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 03/08/2021 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 09/14/2021 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 03/28/2022 | | 0.5000 | | |
| Cobalt, total | ug/L | MW-42D | 09/13/2022 | | 3.4000 | | * |
| Cobalt, total | ug/L | MW-42D | 03/23/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 09/05/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 03/06/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 09/18/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 03/11/2025 | ND | 0.4000 | | |
| Copper, total | ug/L | MW-42D | 09/02/2020 | | 6.5000 | | |
| Copper, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 09/02/2020 | 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 | |
|---|---|---|---|---|---|---|---|
| Lead, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 09/02/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-42D | 09/02/2020 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 03/08/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 09/14/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 03/28/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 09/13/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 03/23/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 09/05/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 03/06/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 09/18/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 03/11/2025 | ND | 2.0000 | | |
| Vanadium, total | ug/L | MW-42D | 09/02/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 03/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 09/14/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 03/28/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 09/13/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 03/23/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 09/05/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 03/06/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 09/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 03/11/2025 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 09/02/2020 | | 34.5000 | | |
| Zinc, total | ug/L | MW-42D | 03/08/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 09/14/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 03/28/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 09/13/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 03/23/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 09/05/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 03/06/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 09/18/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 03/11/2025 | ND | 20.0000 | | |

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

## Table 2

### Most Current Downgradient Monitoring Data

| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | MW-14D | 03/11/2025 | ND | 2.0000 | | 10.9000 |
| Arsenic, total | ug/L | MW-14D | 03/11/2025 | ND | 4.0000 | | 5.8000 |
| Barium, total | ug/L | MW-14D | 03/11/2025 | | 20.7000 | | 105.8772 |
| Beryllium, total | ug/L | MW-14D | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-14D | 03/11/2025 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-14D | 03/11/2025 | ND | 8.0000 | | 13.2000 |
| Cobalt, total | ug/L | MW-14D | 03/11/2025 | | 2.6000 | | 5.4000 |
| Copper, total | ug/L | MW-14D | 03/11/2025 | ND | 4.0000 | | 6.5000 |
| Lead, total | ug/L | MW-14D | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-14D | 03/11/2025 | ND | 4.0000 | | 11.8000 |
| Selenium, total | ug/L | MW-14D | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-14D | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-14D | 03/11/2025 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-14D | 03/11/2025 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-14D | 03/11/2025 | ND | 20.0000 | | 34.5000 |
| Antimony, total | ug/L | MW-17R | 03/11/2025 | ND | 2.0000 | | 10.9000 |
| Arsenic, total | ug/L | MW-17R | 03/11/2025 | ND | 4.0000 | | 5.8000 |
| Barium, total | ug/L | MW-17R | 03/11/2025 | | 410.0000 | *** | 105.8772 |
| Beryllium, total | ug/L | MW-17R | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-17R | 03/11/2025 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-17R | 03/11/2025 | ND | 8.0000 | | 13.2000 |
| Cobalt, total | ug/L | MW-17R | 03/11/2025 | | 1.9000 | | 5.4000 |
| Copper, total | ug/L | MW-17R | 03/11/2025 | ND | 4.0000 | | 6.5000 |
| Lead, total | ug/L | MW-17R | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-17R | 03/11/2025 | | 22.5000 | *** | 11.8000 |
| Selenium, total | ug/L | MW-17R | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-17R | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-17R | 03/11/2025 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-17R | 03/11/2025 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-17R | 03/11/2025 | ND | 20.0000 | | 34.5000 |
| Antimony, total | ug/L | MW-28 | 03/10/2025 | ND | 2.0000 | | 10.9000 |
| Arsenic, total | ug/L | MW-28 | 03/10/2025 | | 64.8000 | * | 5.8000 |
| Barium, total | ug/L | MW-28 | 03/10/2025 | | 1340.0000 | *** | 105.8772 |
| Beryllium, total | ug/L | MW-28 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-28 | 03/10/2025 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-28 | 03/10/2025 | ND | 8.0000 | | 13.2000 |
| Cobalt, total | ug/L | MW-28 | 03/10/2025 | | 59.0000 | *** | 5.4000 |
| Copper, total | ug/L | MW-28 | 03/10/2025 | ND | 4.0000 | | 6.5000 |
| Lead, total | ug/L | MW-28 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-28 | 03/10/2025 | | 24.0000 | *** | 11.8000 |
| Selenium, total | ug/L | MW-28 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-28 | 03/10/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-28 | 03/10/2025 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-28 | 03/10/2025 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-28 | 03/10/2025 | ND | 20.0000 | | 34.5000 |
| Antimony, total | ug/L | MW-45D | 03/11/2025 | ND | 2.0000 | | 10.9000 |
| Arsenic, total | ug/L | MW-45D | 03/11/2025 | | 10.0000 | *** | 5.8000 |
| Barium, total | ug/L | MW-45D | 03/11/2025 | | 97.3000 | | 105.8772 |
| Beryllium, total | ug/L | MW-45D | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Cadmium, total | ug/L | MW-45D | 03/11/2025 | ND | 0.8000 | | 0.8000 |
| Chromium, total | ug/L | MW-45D | 03/11/2025 | ND | 8.0000 | | 13.2000 |
| Cobalt, total | ug/L | MW-45D | 03/11/2025 | | 1.1000 | | 5.4000 |
| Copper, total | ug/L | MW-45D | 03/11/2025 | ND | 4.0000 | | 6.5000 |
| Lead, total | ug/L | MW-45D | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-45D | 03/11/2025 | ND | 4.0000 | | 11.8000 |
| Selenium, total | ug/L | MW-45D | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Silver, total | ug/L | MW-45D | 03/11/2025 | ND | 4.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-45D | 03/11/2025 | ND | 2.0000 | | 2.0000 |
| Vanadium, total | ug/L | MW-45D | 03/11/2025 | ND | 20.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-45D | 03/11/2025 | ND | 20.0000 | | 34.5000 |

* - 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 | 9 | 49 | 0.184 | 14 | 54 | 0.259 |
| Arsenic, total | 8 | 49 | 0.163 | 16 | 53 | 0.302 |
| Barium, total | 49 | 49 | 1.000 | 53 | 53 | 1.000 |
| Beryllium, total | 0 | 49 | 0.000 | 0 | 53 | 0.000 |
| Cadmium, total | 0 | 49 | 0.000 | 0 | 53 | 0.000 |
| Chromium, total | 1 | 49 | 0.020 | 0 | 53 | 0.000 |
| Cobalt, total | 16 | 48 | 0.333 | 48 | 54 | 0.889 |
| Copper, total | 2 | 49 | 0.041 | 0 | 53 | 0.000 |
| Lead, total | 0 | 49 | 0.000 | 0 | 53 | 0.000 |
| Nickel, total | 13 | 49 | 0.265 | 33 | 54 | 0.611 |
| Selenium, total | 0 | 49 | 0.000 | 10 | 58 | 0.172 |
| Silver, total | 0 | 49 | 0.000 | 0 | 53 | 0.000 |
| Thallium, total | 0 | 49 | 0.000 | 0 | 53 | 0.000 |
| Vanadium, total | 1 | 49 | 0.020 | 0 | 53 | 0.000 |
| Zinc, total | 7 | 49 | 0.143 | 2 | 53 | 0.038 |

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 | 9 | 49 | 0.184 | 1.683 | 1.643 | | | | | 2.326 | normal | nonpar |
| Arsenic, total | 8 | 49 | 0.163 | 1.205 | 1.119 | | | | | 2.326 | normal | nonpar |
| Barium, total | 49 | 49 | 1.000 | 2.243 | 0.992 | | | | | 2.326 | normal | normal |
| Beryllium, total | 0 | 49 | 0.000 | | | | | | | | | nonpar |
| Cadmium, total | 0 | 49 | 0.000 | | | | | | | | | nonpar |
| Chromium, total | 1 | 49 | 0.020 | | | | | | | | | nonpar |
| Cobalt, total | 16 | 48 | 0.333 | 1.050 | 1.043 | | | | | 2.326 | normal | nonpar |
| Copper, total | 2 | 49 | 0.041 | | | | | | | | | nonpar |
| Lead, total | 0 | 49 | 0.000 | | | | | | | | | nonpar |
| Nickel, total | 13 | 49 | 0.265 | 0.033 | 0.946 | | | | | 2.326 | normal | nonpar |
| Selenium, total | 0 | 49 | 0.000 | | | | | | | | | nonpar |
| Silver, total | 0 | 49 | 0.000 | | | | | | | | | nonpar |
| Thallium, total | 0 | 49 | 0.000 | | | | | | | | | nonpar |
| Vanadium, total | 1 | 49 | 0.020 | | | | | | | | | nonpar |
| Zinc, total | 7 | 49 | 0.143 | 0.054 | 0.533 | | | | | 2.326 | normal | nonpar |

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

## Table 5

### Summary Statistics and Prediction Limits

| Constituent | Units | Detect | N | Mean | SD | alpha | Factor | Pred Limit | Type | | Conf |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | 9 | 49 | | | | | 10.9000 | nonpar | | 0.99 |
| Arsenic, total | ug/L | 8 | 49 | | | | | 5.8000 | nonpar | | 0.99 |
| Barium, total | ug/L | 49 | 49 | 52.5163 | 21.9506 | 0.0100 | 2.4310 | 105.8772 | normal | | |
| Beryllium, total | ug/L | 0 | 49 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Cadmium, total | ug/L | 0 | 49 | | | | | 0.8000 | nonpar | *** | 0.99 |
| Chromium, total | ug/L | 1 | 49 | | | | | 13.2000 | nonpar | | 0.99 |
| Cobalt, total | ug/L | 16 | 48 | | | | | 5.4000 | nonpar | | 0.99 |
| Copper, total | ug/L | 2 | 49 | | | | | 6.5000 | nonpar | | 0.99 |
| Lead, total | ug/L | 0 | 49 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Nickel, total | ug/L | 13 | 49 | | | | | 11.8000 | nonpar | | 0.99 |
| Selenium, total | ug/L | 0 | 49 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Silver, total | ug/L | 0 | 49 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Thallium, total | ug/L | 0 | 49 | | | | | 2.0000 | nonpar | *** | 0.99 |
| Vanadium, total | ug/L | 1 | 49 | | | | | 20.0000 | nonpar | *** | 0.99 |
| Zinc, total | ug/L | 7 | 49 | | | | | 34.5000 | nonpar | | 0.99 |

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

## Table 6

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

| Constituent | Units | Well | Date | Result | ND Qualifier | Date Range | N | Critical Value |
|---|---|---|---|---|---|---|---|---|
| Cobalt, total | ug/L | MW-42D | 09/13/2022 | 3.4000 | | 09/02/2020-03/11/2025 | 10 | 0.5972 |

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

## Table 8

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

| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Barium, total | ug/L | MW-17R | 09/23/2014 | | 344.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 03/03/2016 | | 378.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 09/21/2016 | | 369.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 03/09/2017 | | 369.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 09/14/2017 | | 411.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 03/12/2018 | | 408.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 09/10/2018 | | 406.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 03/26/2019 | | 430.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 09/16/2019 | | 533.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 03/24/2020 | | 429.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 09/02/2020 | | 398.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 03/08/2021 | | 416.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 09/14/2021 | | 442.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 03/28/2022 | | 446.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 09/13/2022 | | 587.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 03/23/2023 | | 446.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 09/05/2023 | | 422.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 03/06/2024 | | 432.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 09/18/2024 | | 435.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-17R | 03/11/2025 | | 410.0000 | * | 105.8772 |
| Nickel, total | ug/L | MW-17R | 09/23/2014 | | 14.9000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/03/2016 | | 16.3000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/21/2016 | | 15.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/09/2017 | | 16.6000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/14/2017 | | 20.1000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 12/13/2017 | | 17.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/12/2018 | | 17.6000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/10/2018 | | 18.1000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/26/2019 | | 20.3000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/16/2019 | | 21.4000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/24/2020 | | 19.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/02/2020 | | 19.0000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/08/2021 | | 20.8000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/14/2021 | | 21.8000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/28/2022 | | 22.3000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/13/2022 | | 28.9000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/23/2023 | | 22.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/05/2023 | | 21.4000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/06/2024 | | 18.9000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/18/2024 | | 24.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/11/2025 | | 22.5000 | * | 11.8000 |
| Arsenic, total | ug/L | MW-28 | 03/24/2020 | | 72.8000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 09/02/2020 | ND | 4.0000 | | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 03/08/2021 | | 13.8000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 10/15/2021 | | 4.3000 | | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 03/28/2022 | | 38.7000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 09/13/2022 | | 8.2000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 03/23/2023 | | 100.0000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 09/05/2023 | | 8.8000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 03/06/2024 | | 59.7000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 09/18/2024 | | 4.0000 | | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 03/10/2025 | | 64.8000 | * | 5.8000 |
| Barium, total | ug/L | MW-28 | 03/24/2020 | | 1030.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-28 | 09/02/2020 | | 655.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-28 | 03/08/2021 | | 735.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-28 | 10/15/2021 | | 679.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-28 | 03/28/2022 | | 1080.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-28 | 09/13/2022 | | 865.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-28 | 03/23/2023 | | 1570.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-28 | 09/05/2023 | | 647.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-28 | 03/06/2024 | | 1390.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-28 | 09/18/2024 | | 652.0000 | * | 105.8772 |
| Barium, total | ug/L | MW-28 | 03/10/2025 | | 1340.0000 | * | 105.8772 |
| Cobalt, total | ug/L | MW-28 | 03/24/2020 | | 38.2000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 09/02/2020 | | 41.9000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 03/08/2021 | | 47.3000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 10/15/2021 | | 40.7000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 03/28/2022 | | 79.3000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 09/13/2022 | | 54.2000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 03/23/2023 | | 82.1000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 09/05/2023 | | 28.6000 | * | 5.4000 |

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

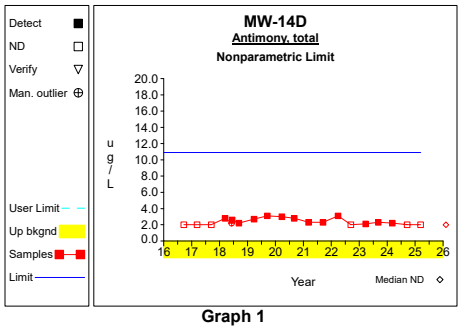
## Table 8

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

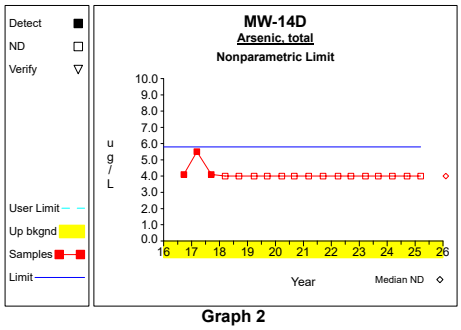
| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Cobalt, total | ug/L | MW-28 | 03/06/2024 | | 72.7000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 09/18/2024 | | 23.4000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 03/10/2025 | | 59.0000 | * | 5.4000 |
| Nickel, total | ug/L | MW-28 | 03/24/2020 | | 20.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 09/02/2020 | | 21.5000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 03/08/2021 | | 23.7000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 10/15/2021 | | 18.8000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 03/28/2022 | | 29.0000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 09/13/2022 | | 22.0000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 03/23/2023 | | 29.8000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 09/05/2023 | | 19.1000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 03/06/2024 | | 26.9000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 09/18/2024 | | 15.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 03/10/2025 | | 24.0000 | * | 11.8000 |
| Arsenic, total | ug/L | MW-45D | 03/06/2024 | ND | 4.0000 | | 5.8000 |
| Arsenic, total | ug/L | MW-45D | 06/03/2024 | | 7.9000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-45D | 09/18/2024 | | 9.7000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-45D | 03/11/2025 | | 10.0000 | * | 5.8000 |

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

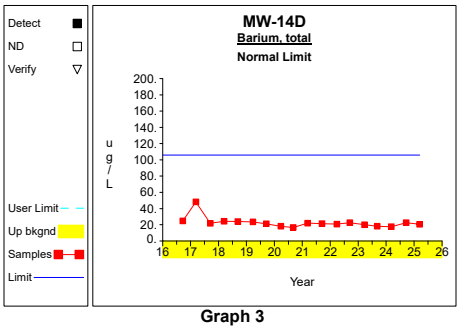
# Up vs. Down Prediction Limits



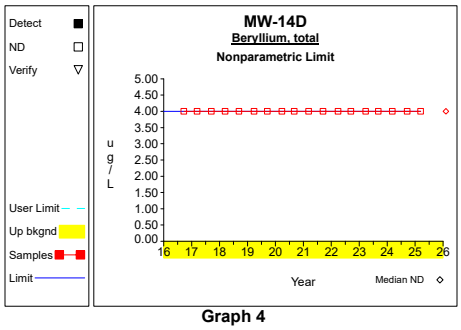

Graph 1



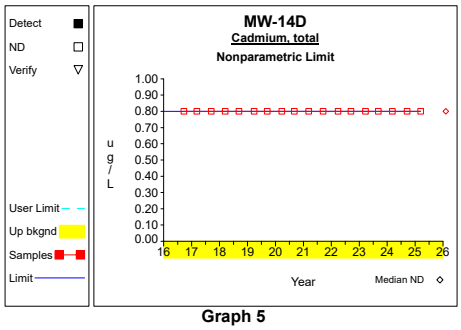

Graph 2



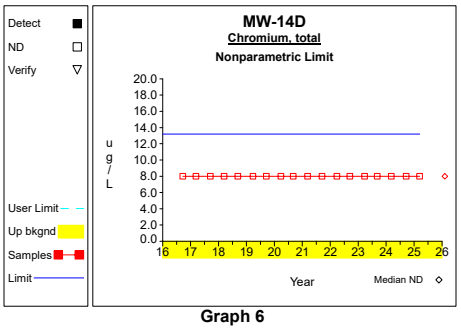

Graph 3



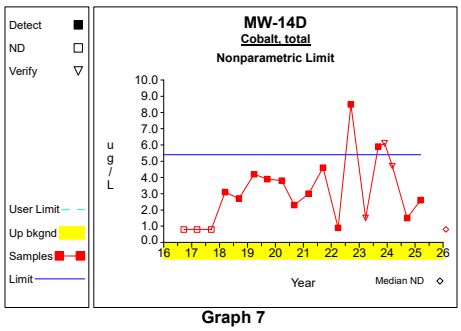

Graph 4



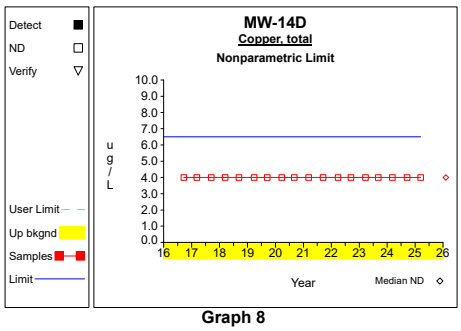

Graph 5



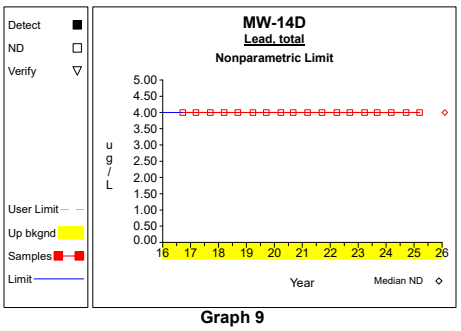

Graph 6



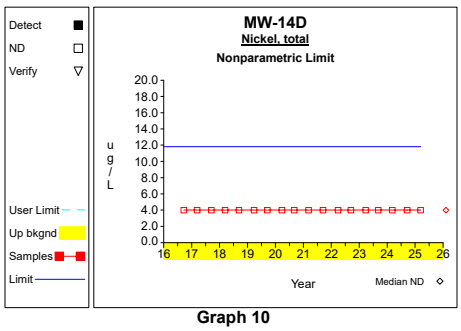

Graph 7



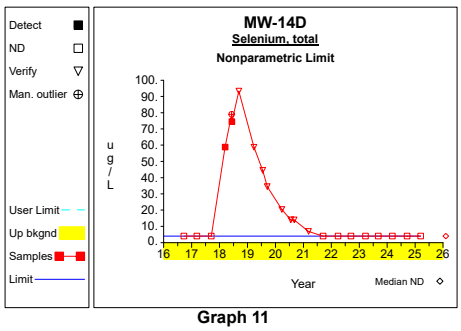

Graph 8



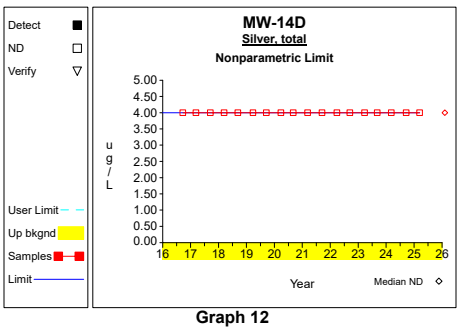

Graph 9



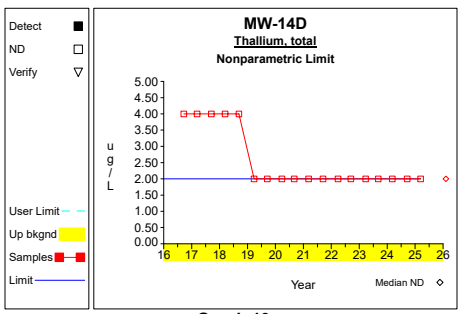

Graph 10



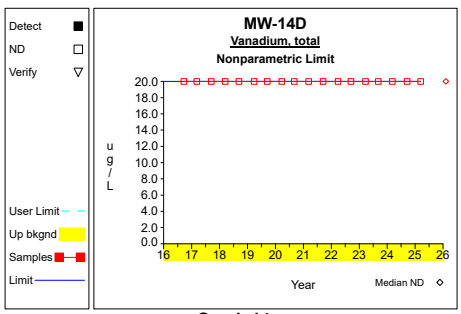

Graph 11



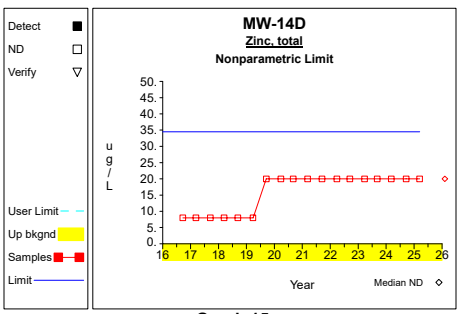

Graph 12




Graph 13




Graph 14




Graph 15

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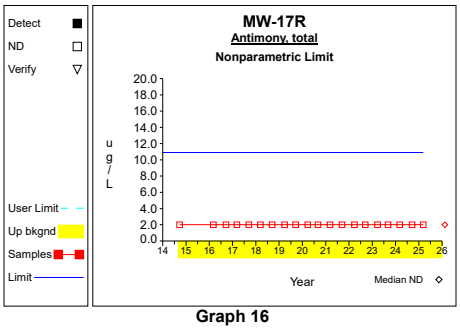
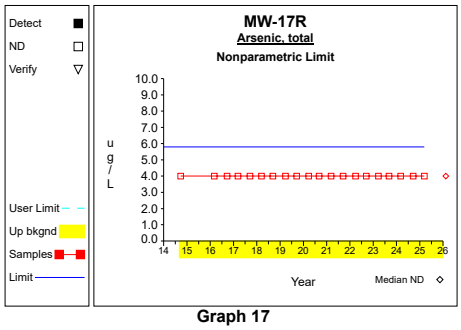
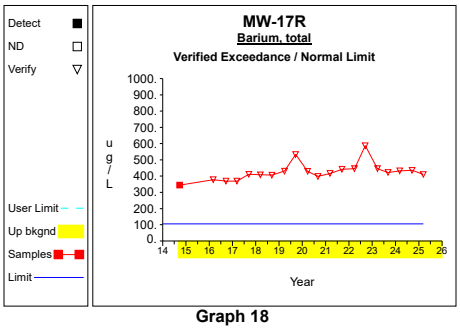
# Up vs. Down Prediction Limits



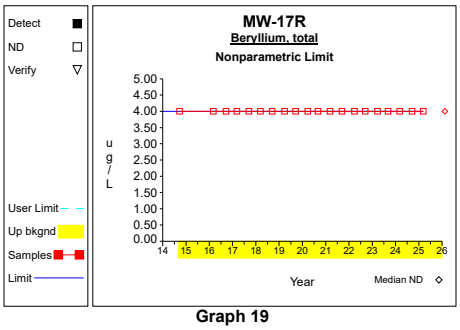

Graph 16



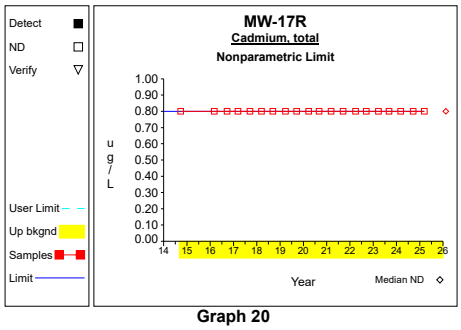

Graph 17



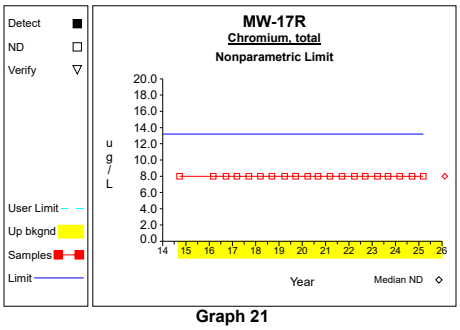

Graph 18



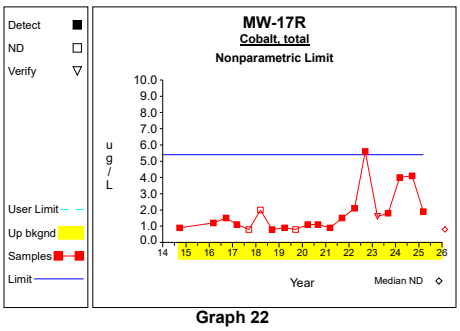

Graph 19



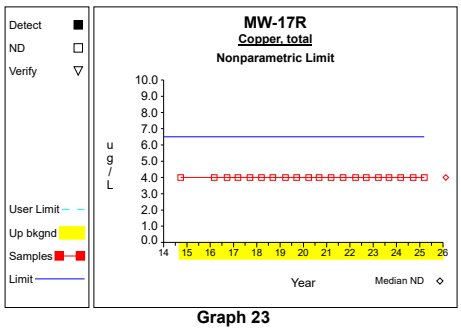

Graph 20



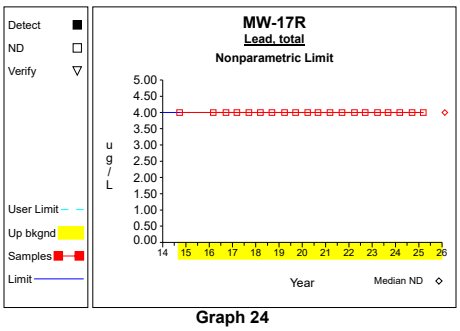

Graph 21



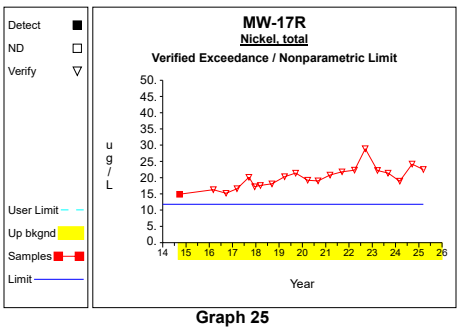

Graph 22



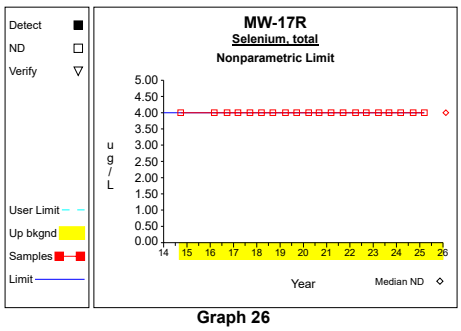

Graph 23



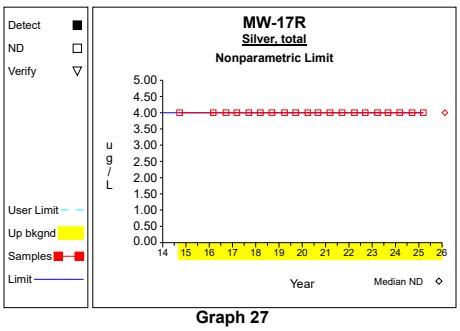

Graph 24



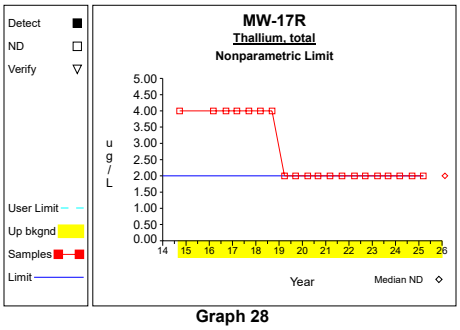

Graph 25



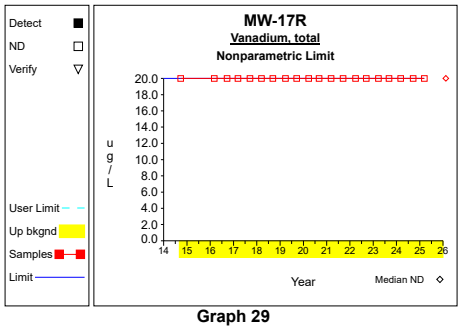

Graph 26



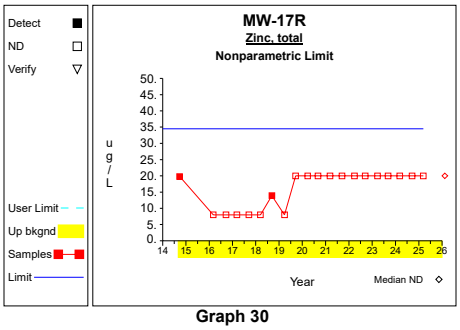

Graph 27




Graph 28




Graph 29




Graph 30

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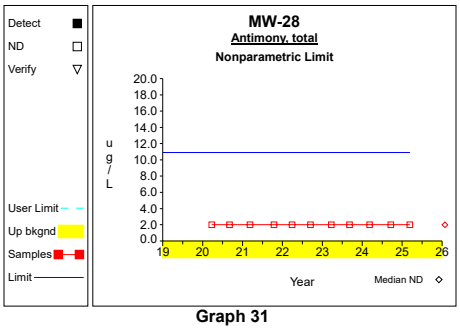
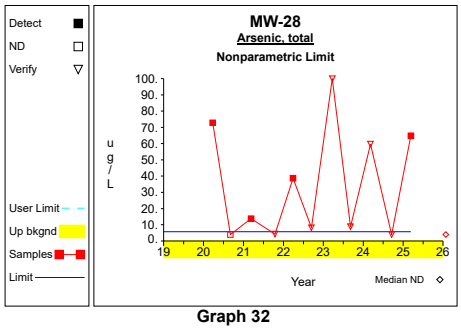
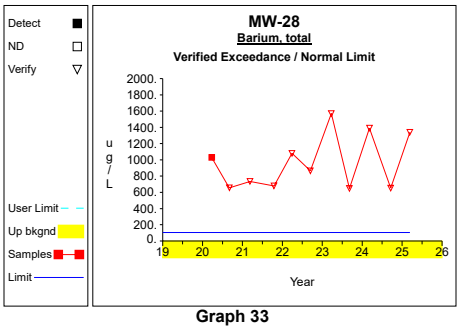
# Up vs. Down Prediction Limits



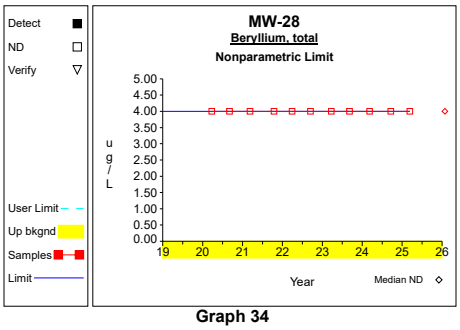

Graph 31



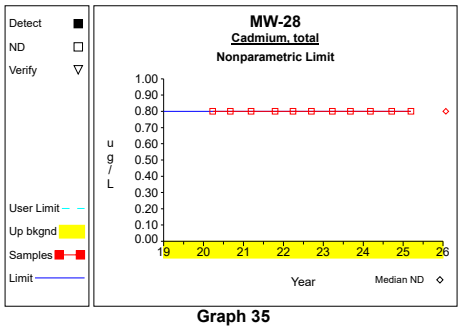

Graph 32



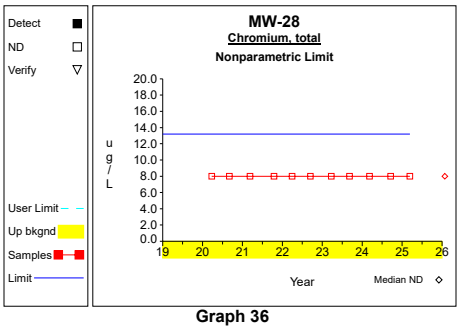

Graph 33



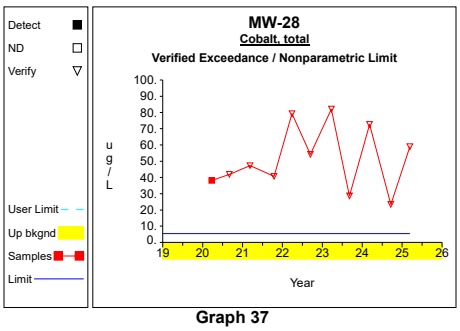

Graph 34



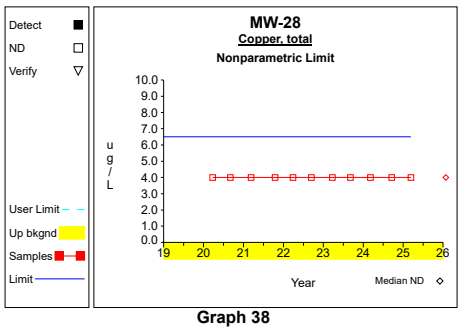

Graph 35



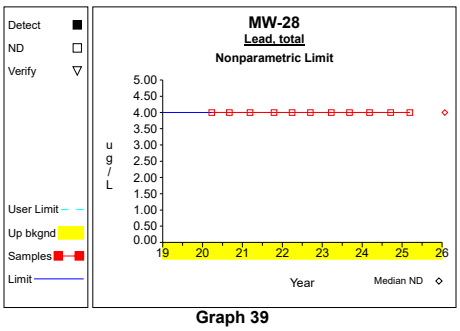

Graph 36



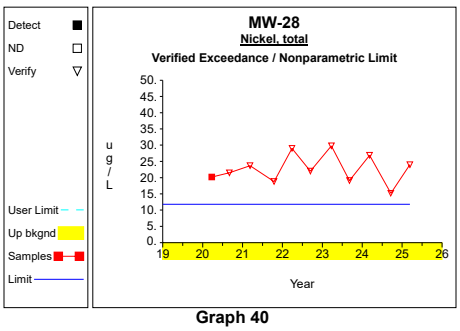

Graph 37



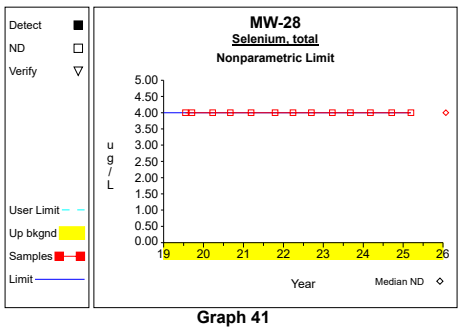

Graph 38



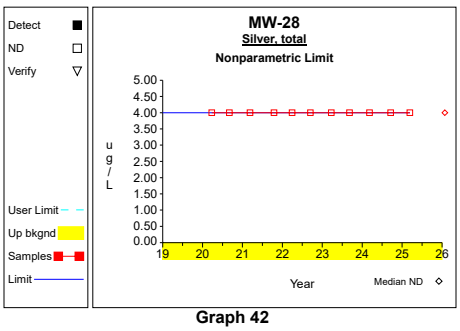

Graph 39



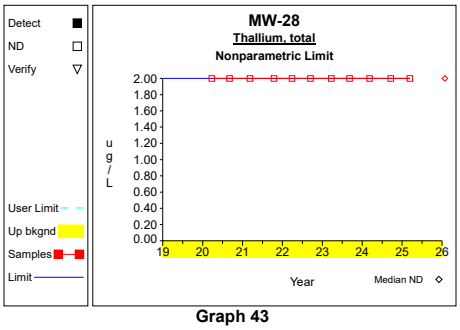

Graph 40



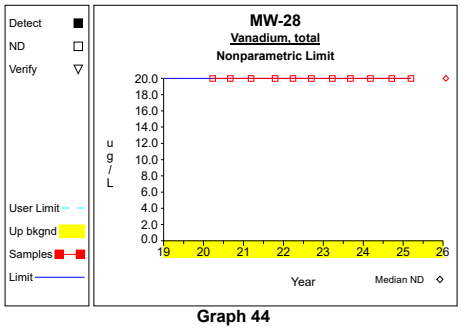

Graph 41



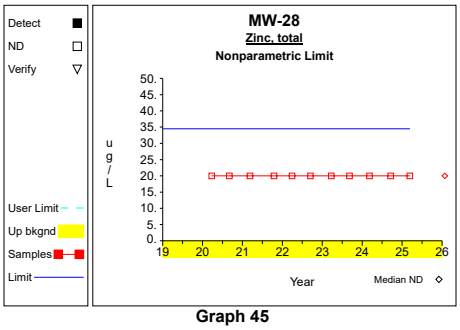

Graph 42




Graph 43




Graph 44




Graph 45

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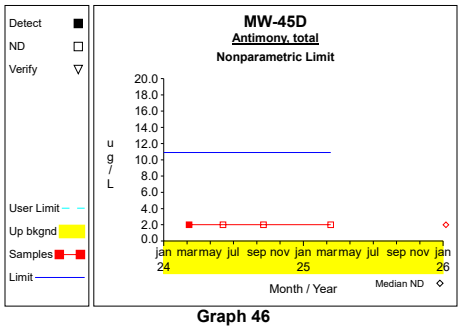
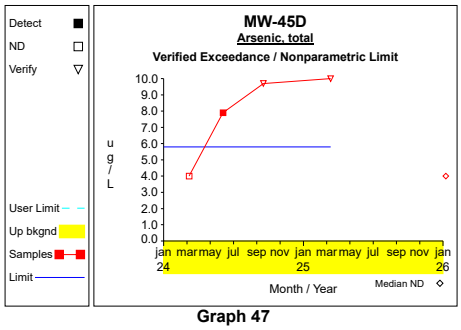
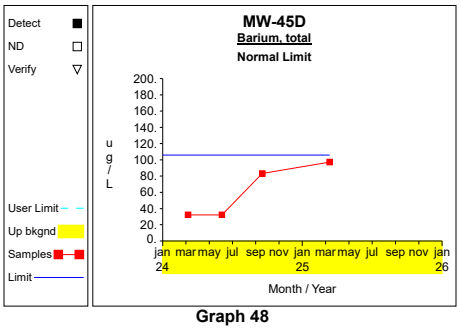
# Up vs. Down Prediction Limits



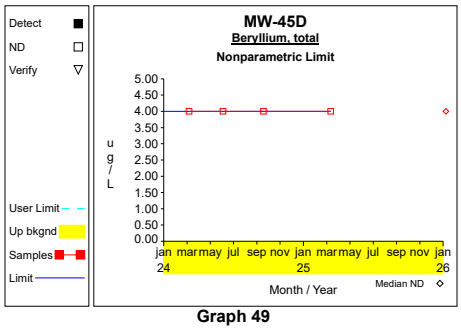

Graph 46



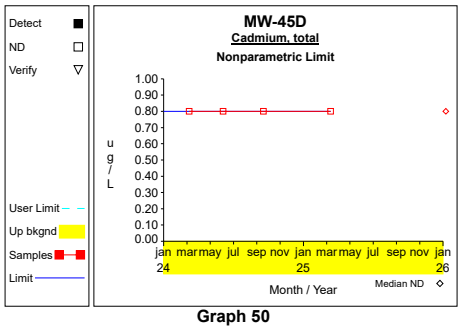

Graph 47



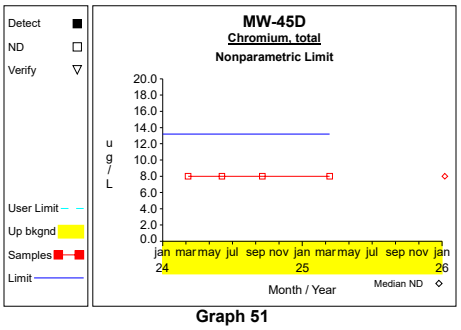

Graph 48



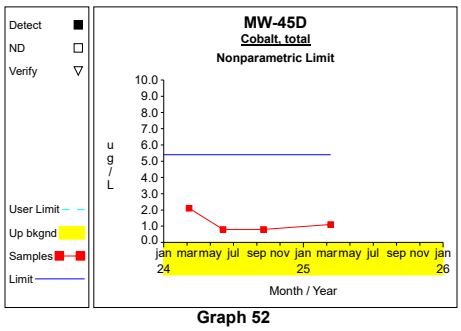

Graph 49



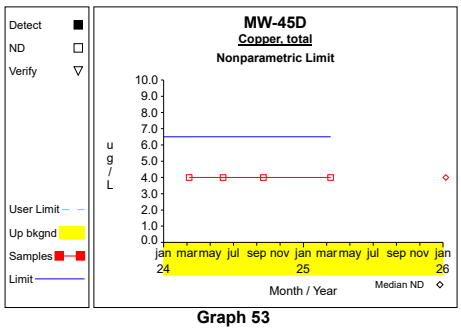

Graph 50



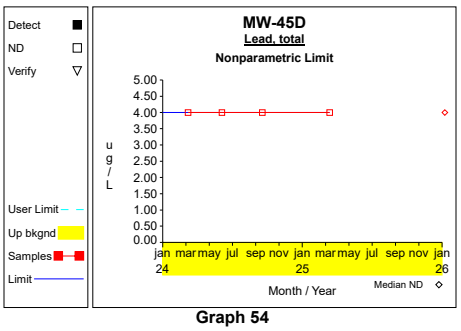

Graph 51



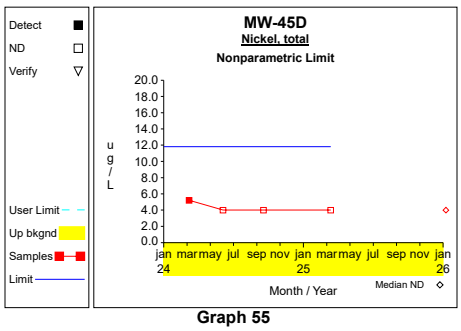

Graph 52



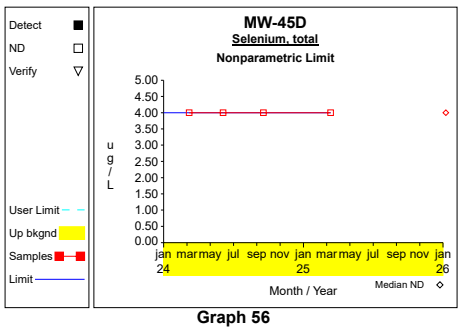

Graph 53



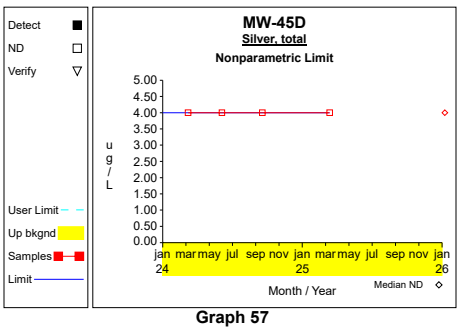

Graph 54



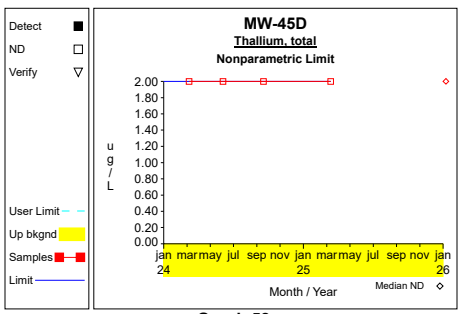

Graph 55



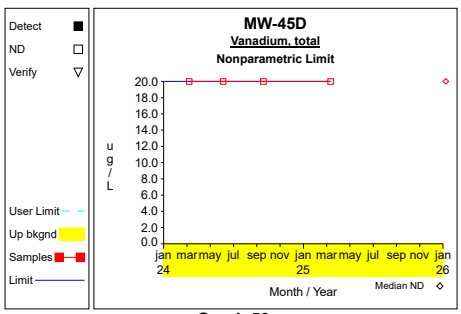

Graph 56



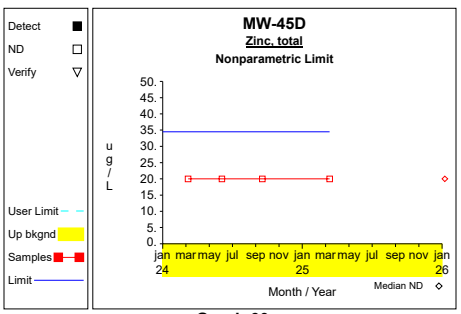

Graph 57




Graph 58




Graph 59

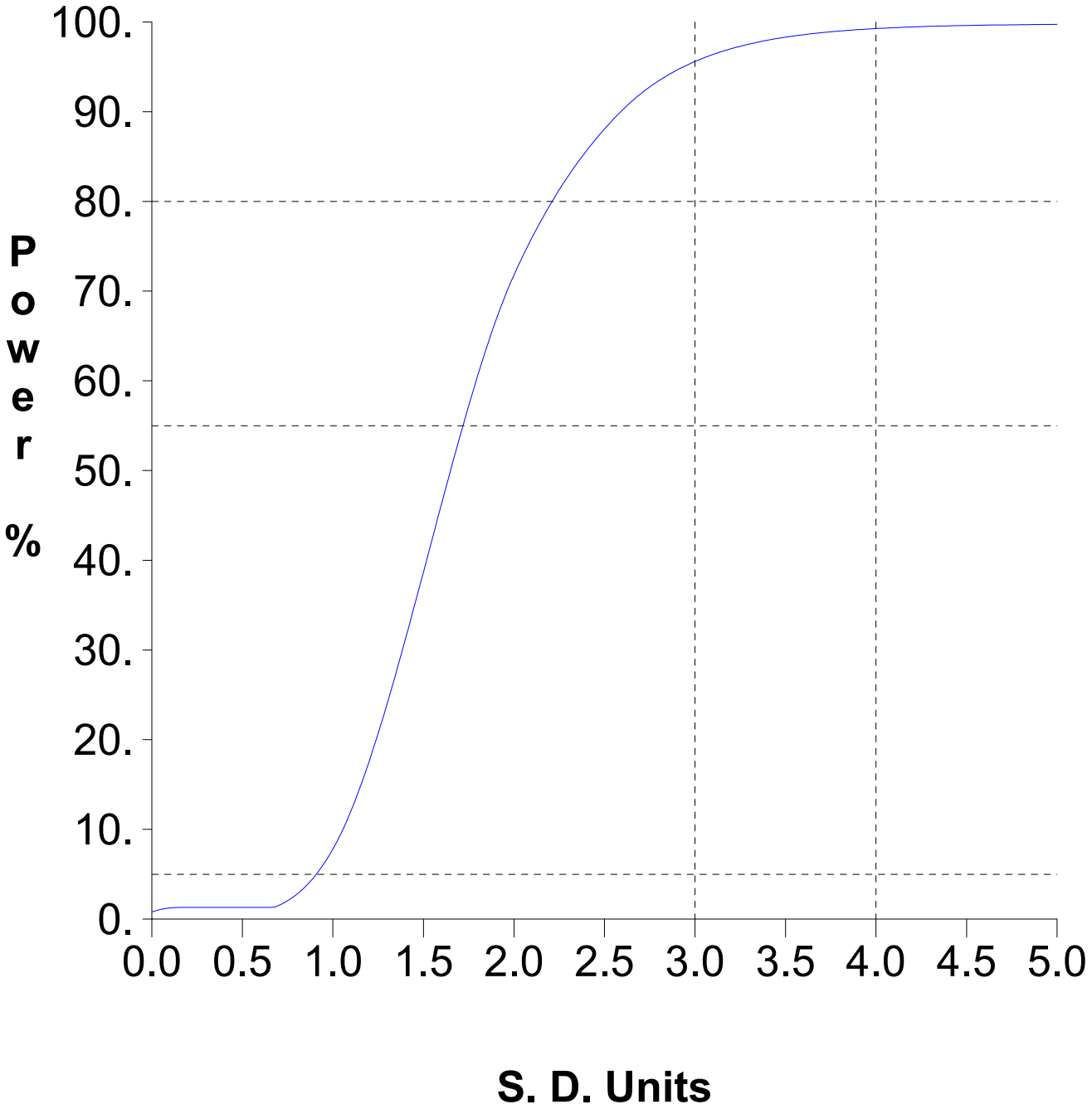



Graph 60

Prepared by: Otter Creek Environmental

# False Positive and False Negative Rates for Current

## Upgradient vs. Downgradient Monitoring Program



**Attachment E**

Assessment Statistics for Verified Trace Metals
Deep Ground Water

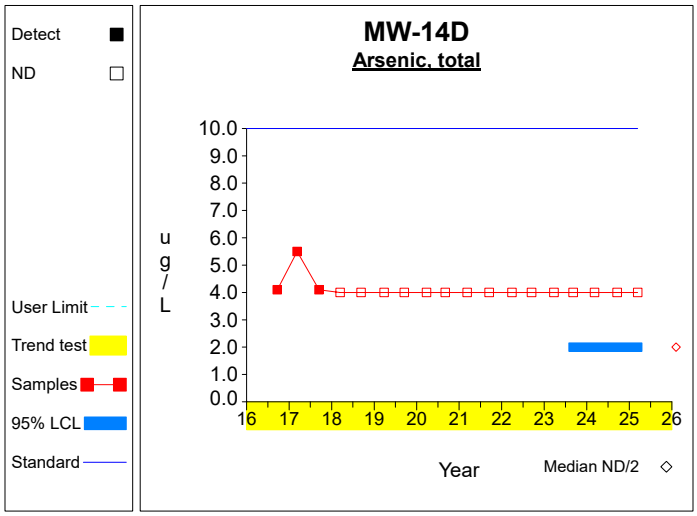
## Table 1

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

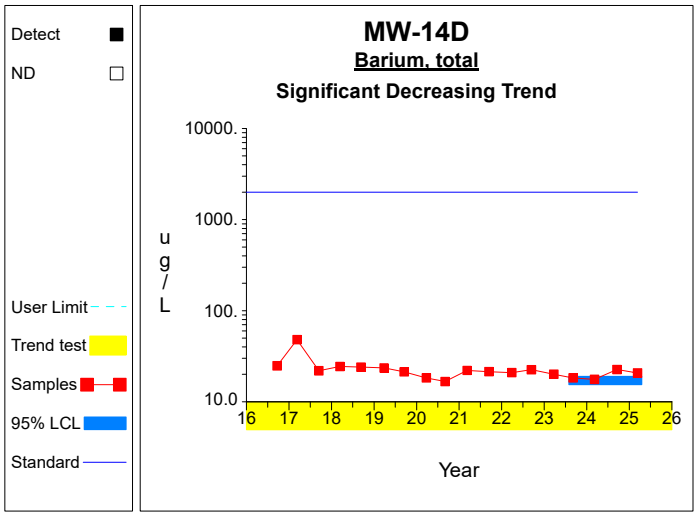
| Constituent | Units | Well | N | Mean | SD | Factor | 95% LCL | 95% UCL | Standard | Trend | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic, total | ug/L | MW-14D | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 10.000 | | |
| Barium, total | ug/L | MW-14D | 4 | 19.800 | 2.291 | 1.176 | 17.106 | 22.494 | 2000.000 | dec | |
| Cobalt, total | ug/L | MW-14D | 4 | 3.725 | 2.066 | 1.176 | 1.295 | 6.155 | 2.100 | | |
| Nickel, total | ug/L | MW-14D | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 100.000 | | |
| Arsenic, total | ug/L | MW-17R | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 10.000 | | |
| Barium, total | ug/L | MW-17R | 4 | 424.750 | 11.295 | 1.176 | 411.463 | 438.037 | 2000.000 | inc | |
| Cobalt, total | ug/L | MW-17R | 4 | 2.950 | 1.271 | 1.176 | 1.454 | 4.446 | 2.100 | inc | |
| Nickel, total | ug/L | MW-17R | 4 | 21.750 | 2.222 | 1.176 | 19.136 | 24.364 | 100.000 | inc | |
| Arsenic, total | ug/L | MW-28 | 4 | 34.325 | 32.372 | 1.176 | 0.000 | 72.403 | 10.000 | | |
| Barium, total | ug/L | MW-28 | 4 | 1007.250 | 413.603 | 1.176 | 520.733 | 1493.767 | 2000.000 | | |
| Cobalt, total | ug/L | MW-28 | 4 | 45.925 | 23.772 | 1.176 | 17.962 | 73.888 | 2.100 | | ** |
| Nickel, total | ug/L | MW-28 | 4 | 21.300 | 5.187 | 1.176 | 15.199 | 27.401 | 100.000 | | |
| Arsenic, total | ug/L | MW-45D | 4 | 7.400 | 3.718 | 1.176 | 3.027 | 11.773 | 10.000 | inc | |
| Barium, total | ug/L | MW-45D | 4 | 61.250 | 33.928 | 1.176 | 21.341 | 101.159 | 2000.000 | | |
| Cobalt, total | ug/L | MW-45D | 4 | 1.200 | 0.616 | 1.176 | 0.475 | 1.925 | 2.100 | | |
| Nickel, total | ug/L | MW-45D | 4 | 2.800 | 1.600 | 1.176 | 0.918 | 4.682 | 100.000 | | |

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

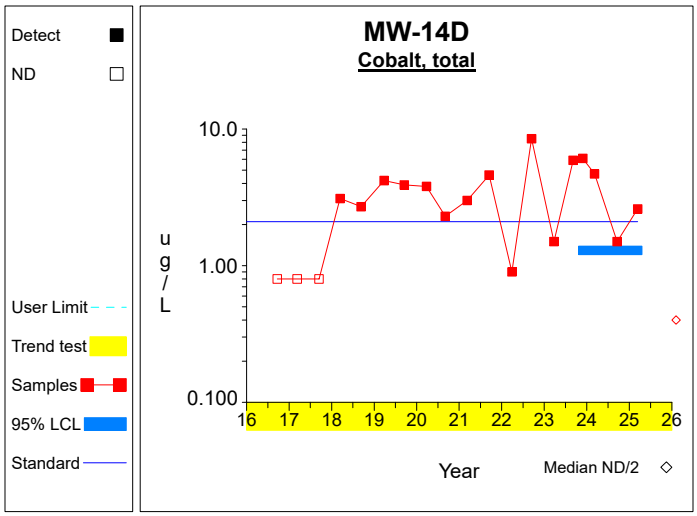
# Confidence Limits (Assessment)



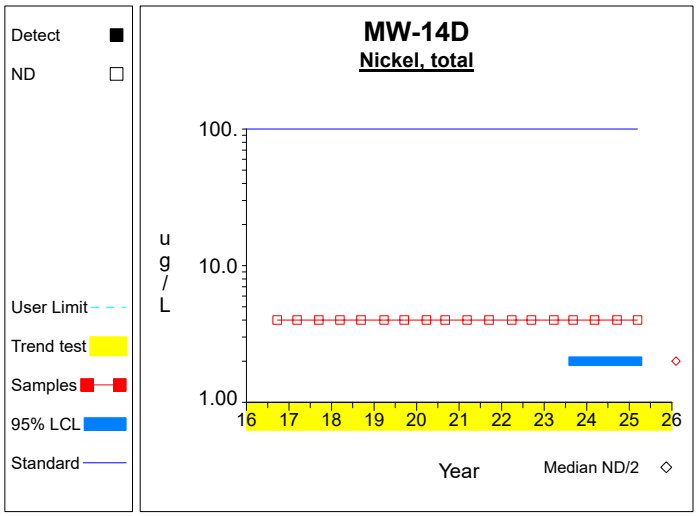

Graph 1




Graph 2

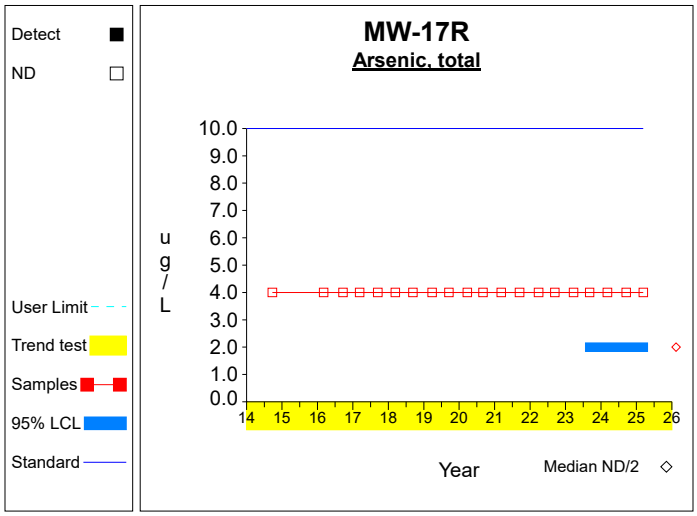



Graph 3

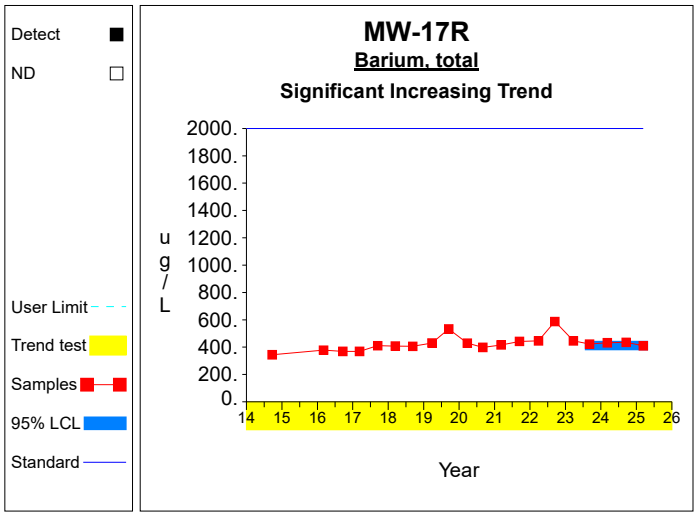



Graph 4

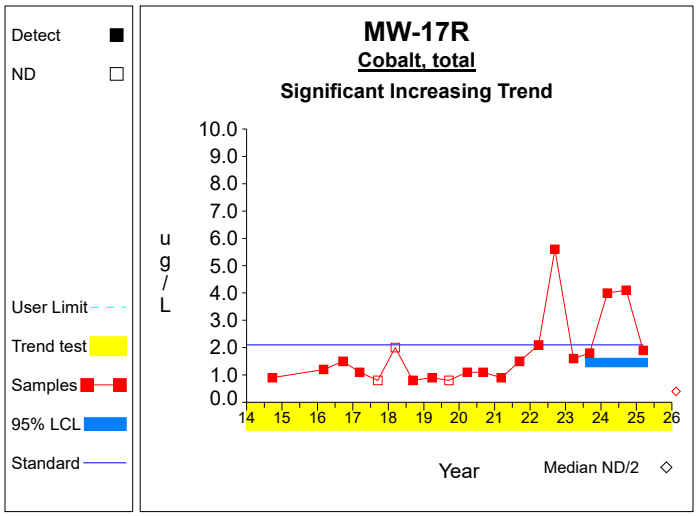
# Confidence Limits (Assessment)



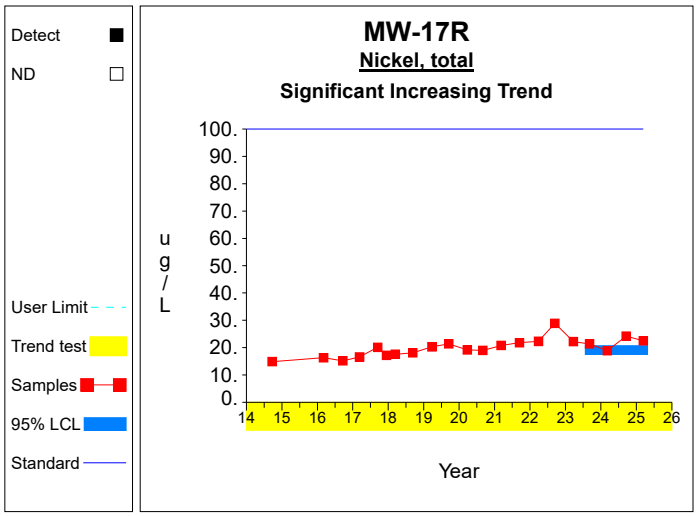

Graph 5




Graph 6

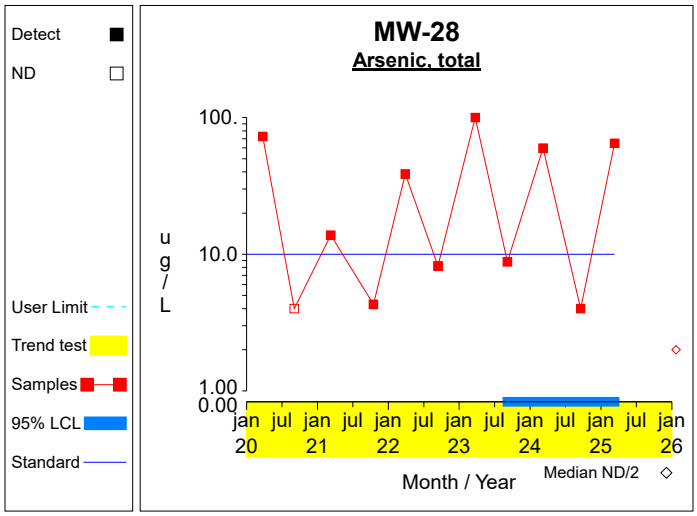



Graph 7

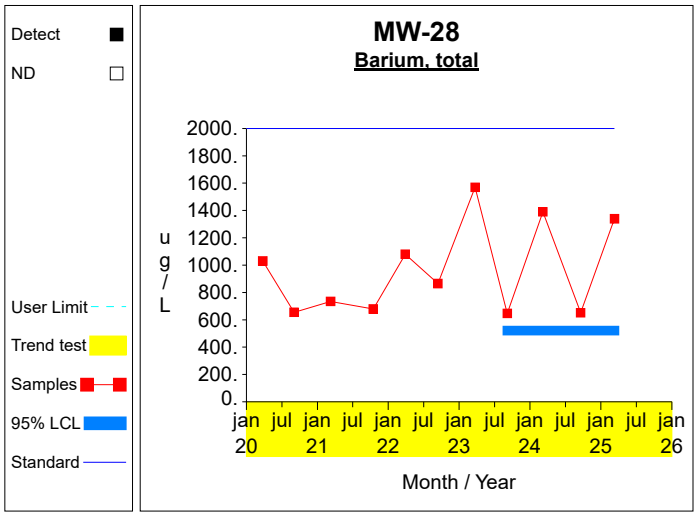



Graph 8

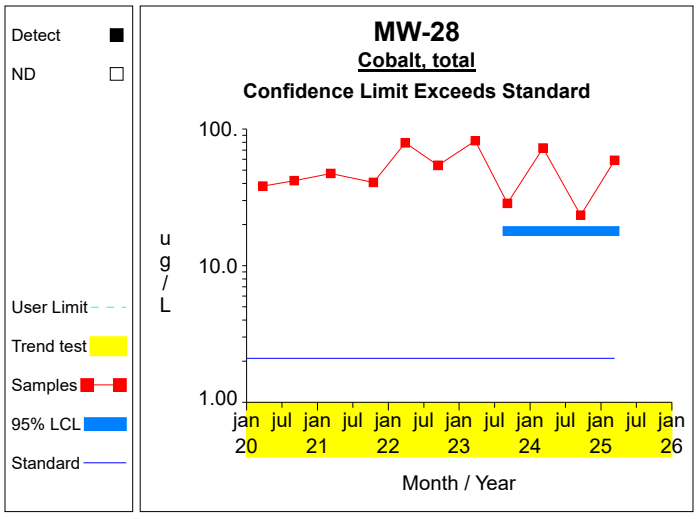
# Confidence Limits (Assessment)



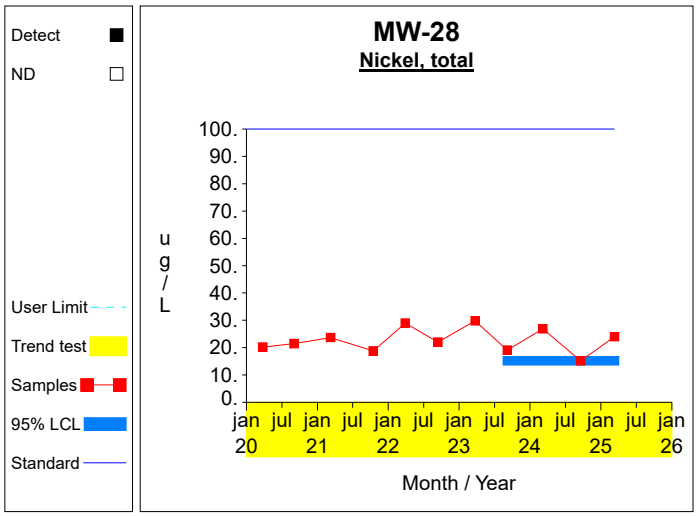

Graph 9




Graph 10

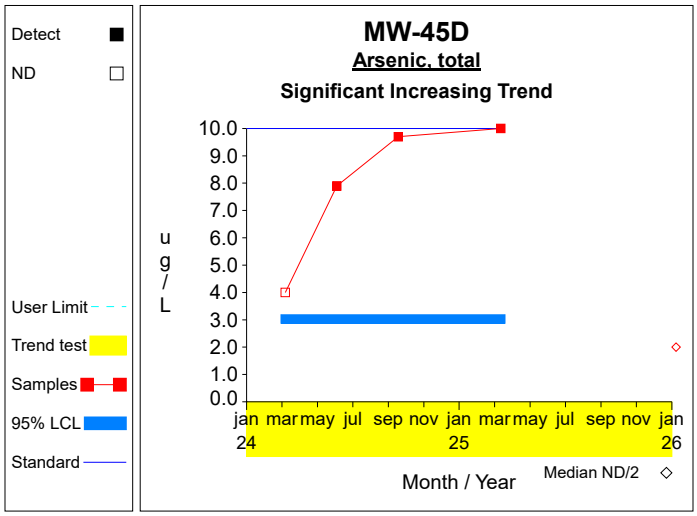



Graph 11

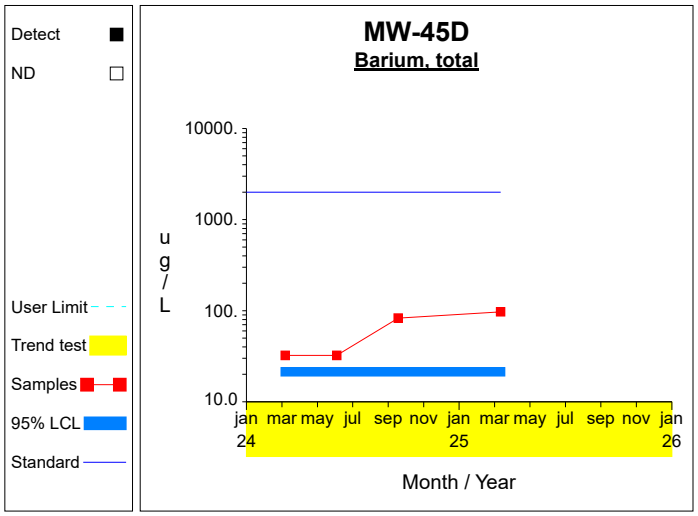



Graph 12

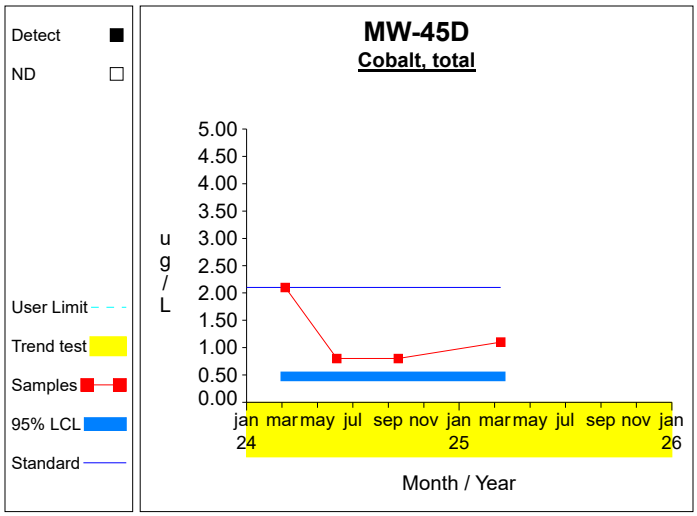
# Confidence Limits (Assessment)



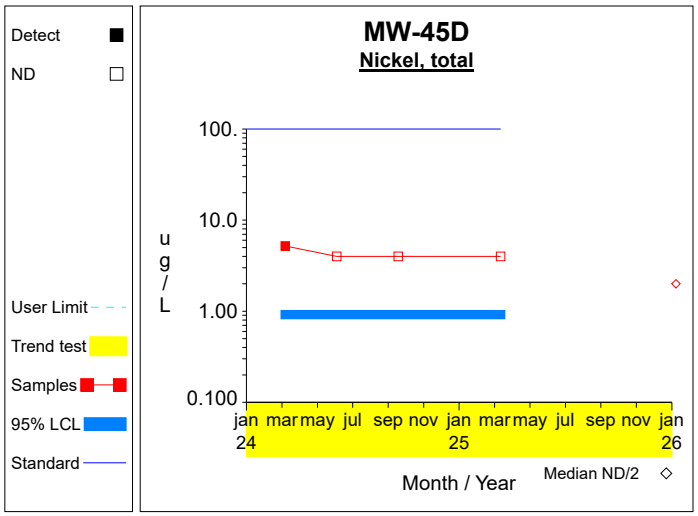

Graph 13




Graph 14




Graph 15

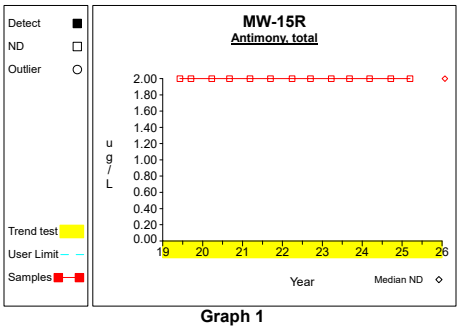



Graph 16

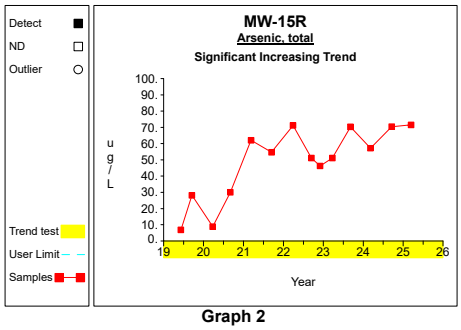
**Attachment F**

Time Series of Trace Metals at Downgradient Attenuation Zone Wells

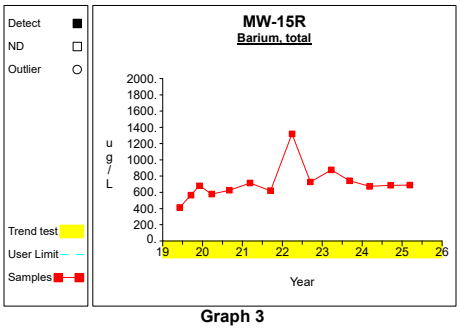
# Time Series



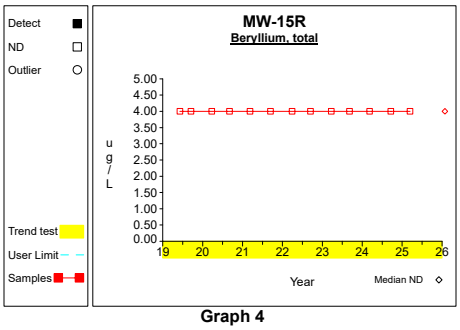
Graph 1



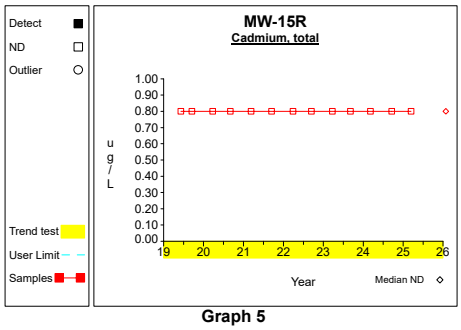
Graph 2



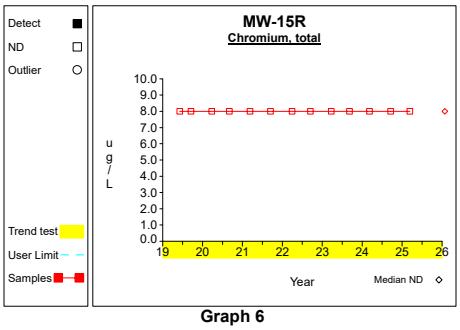
Graph 3



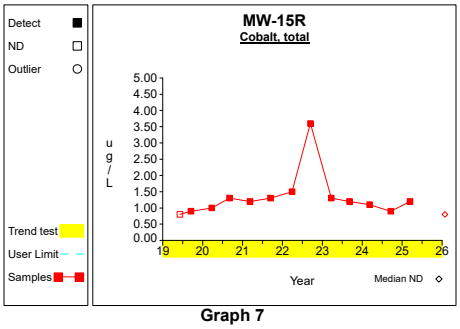
Graph 4



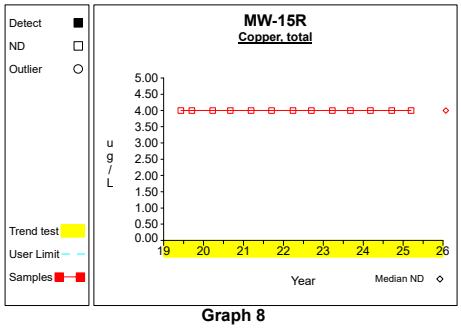
Graph 5



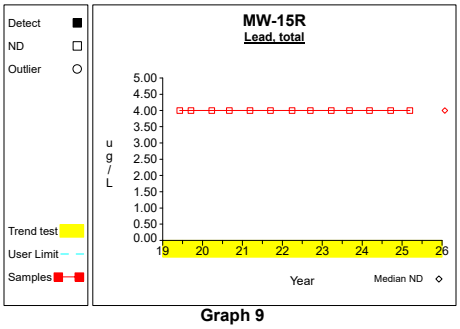
Graph 6



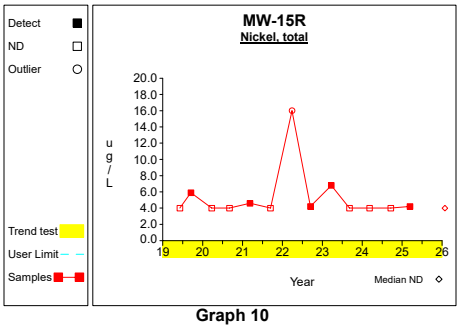
Graph 7



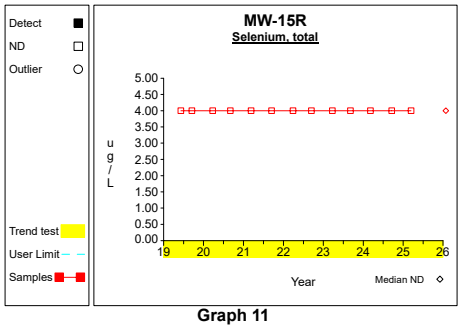
Graph 8



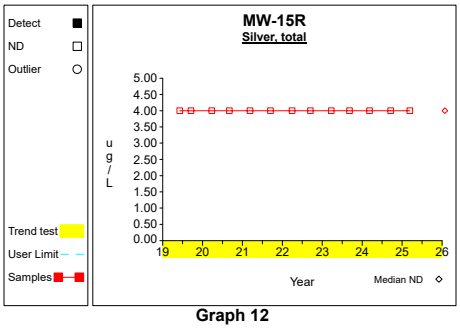
Graph 9



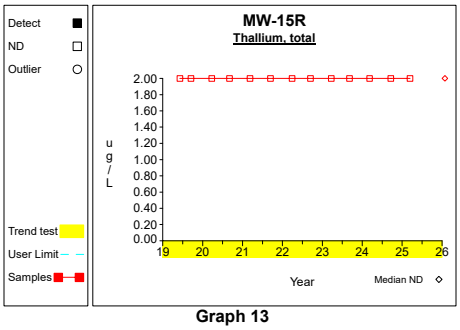
Graph 10



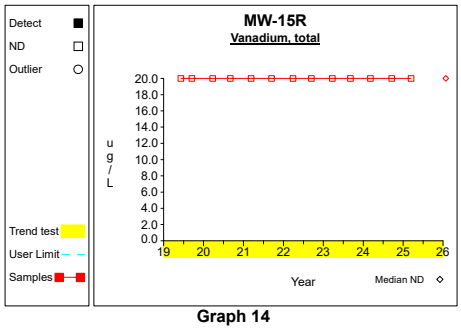
Graph 11



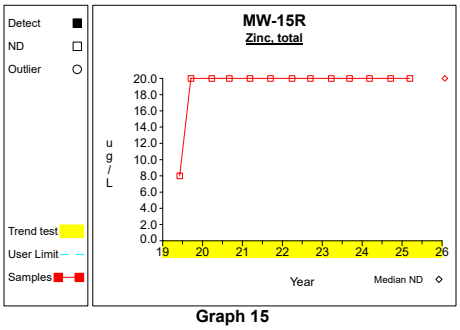
Graph 12



Graph 13



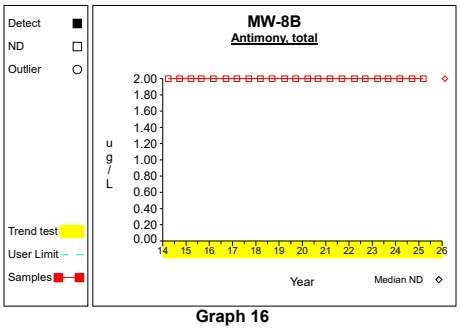
Graph 14



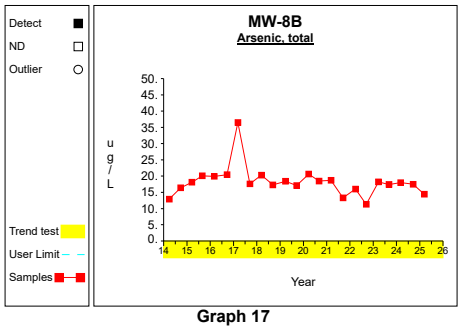
Graph 15

Prepared by: Otter Creek Environmental

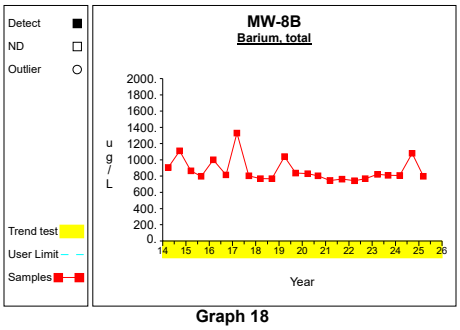
# Time Series



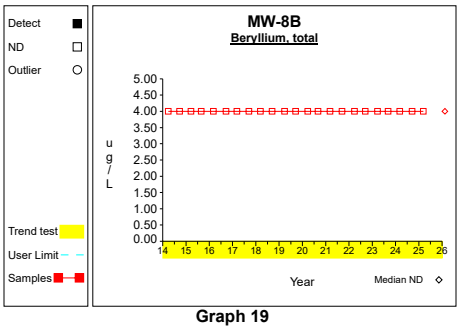
Graph 16



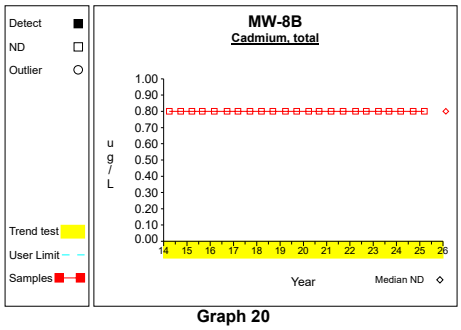
Graph 17



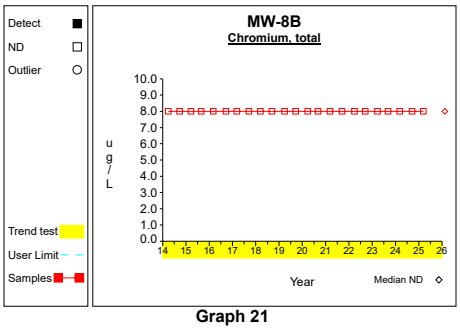
Graph 18



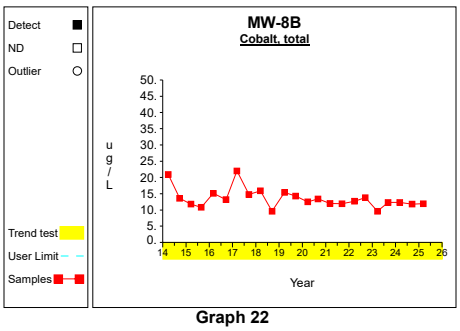
Graph 19



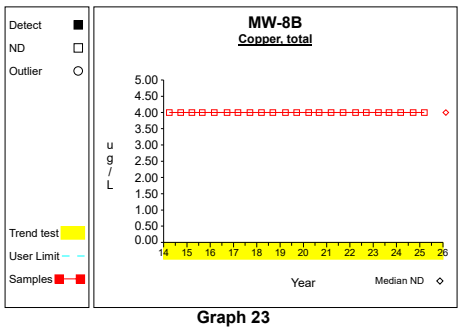
Graph 20



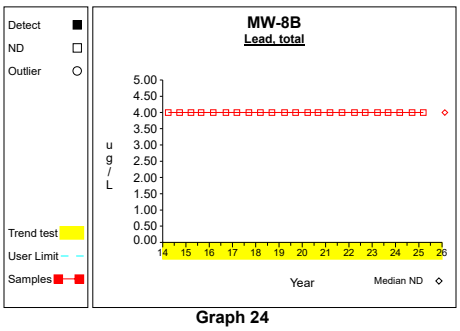
Graph 21



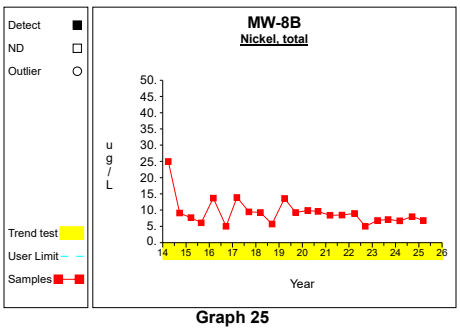
Graph 22



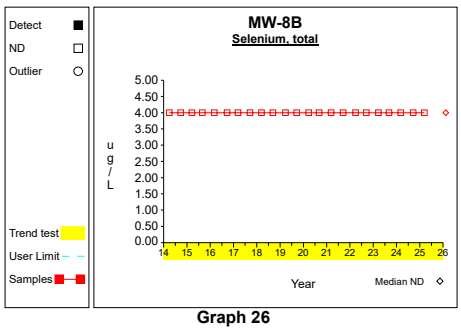
Graph 23



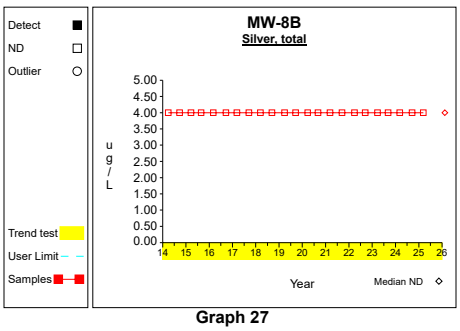
Graph 24



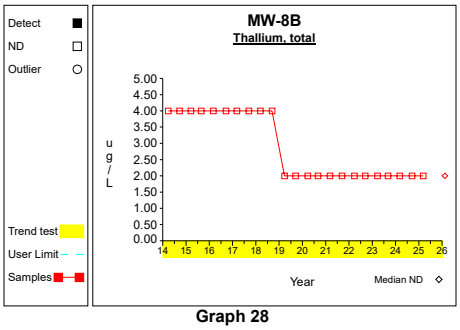
Graph 25



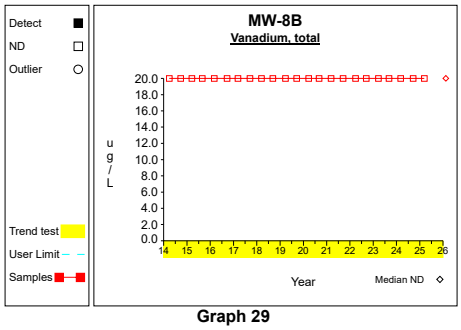
Graph 26



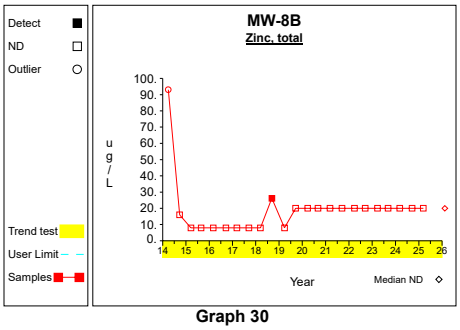
Graph 27



Graph 28



Graph 29



Graph 30

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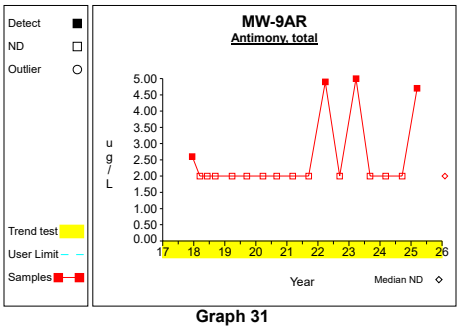
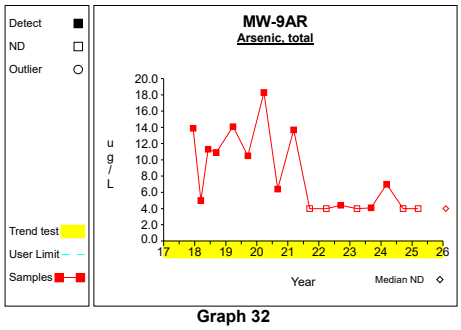
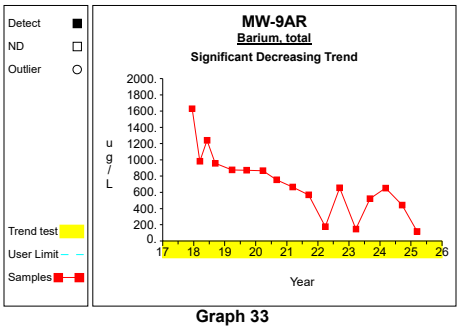
# Time Series



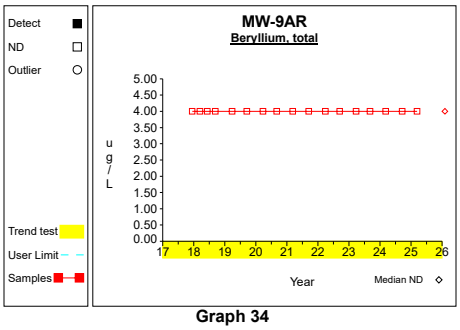
Graph 31



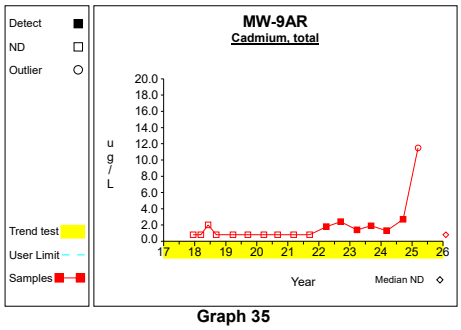
Graph 32



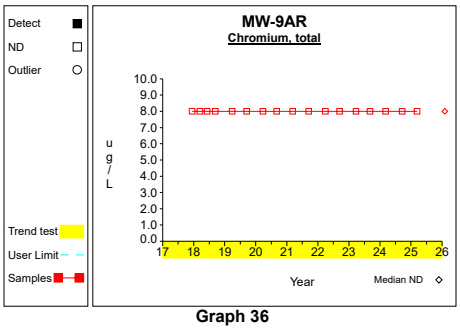
Graph 33



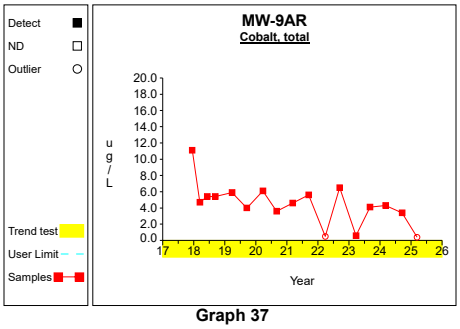
Graph 34



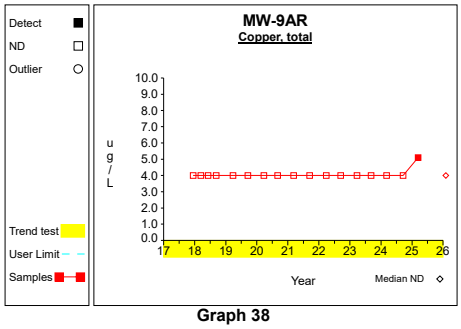
Graph 35



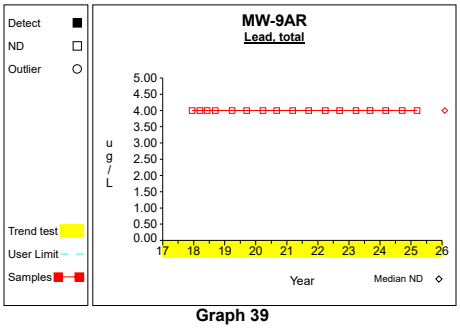
Graph 36



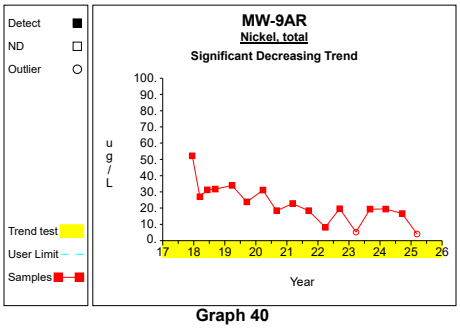
Graph 37



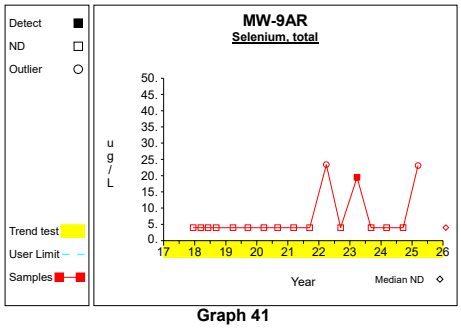
Graph 38



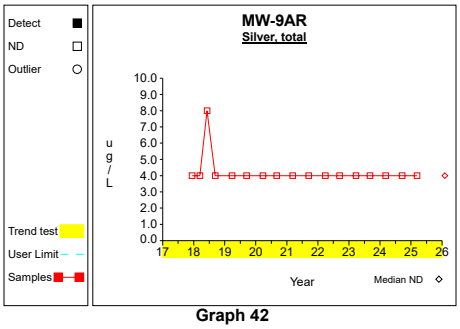
Graph 39



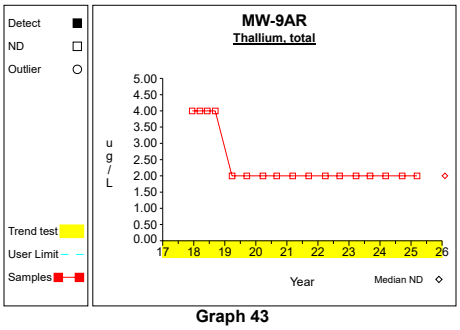
Graph 40



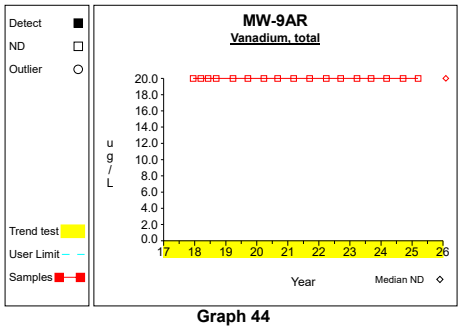
Graph 41



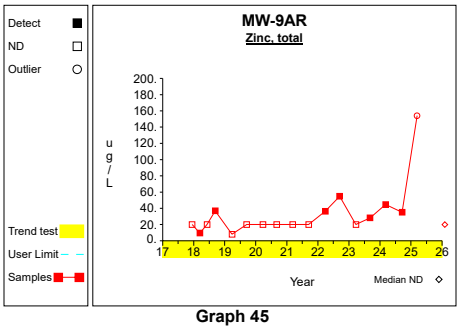
Graph 42



Graph 43



Graph 44



Graph 45

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**Attachment G**

Summary of Historical VOC Detections

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Acetone | MW-11C | 9/14/2017 | | 14.2 | 10.0 | ug/L |
| Trichloroethylene | MW-12A | 10/21/1992 | | 2.10 | .17 | ug/L |
| Benzene | MW-12B | 8/07/2006 | | 2.82 | .50 | ug/L |
| 1,4-dichlorobenzene | MW-14 | 9/14/2010 | | 2.0 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-14 | 9/27/2011 | | 1.1 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-14 | 3/13/2012 | | 1.0 | 1.0 | ug/L |
| Benzene | MW-14 | 1/27/2010 | | 1.2 | 1.0 | ug/L |
| Benzene | MW-14 | 6/17/2010 | | 1.3 | 1.0 | ug/L |
| Benzene | MW-14 | 9/14/2010 | | 2.2 | 1.0 | ug/L |
| Benzene | MW-14 | 3/04/2011 | | 1.1 | 1.0 | ug/L |
| Benzene | MW-14 | 9/27/2011 | | 1.5 | 1.0 | ug/L |
| Benzene | MW-14 | 3/13/2012 | | 1.0 | 1.0 | ug/L |
| Benzene | MW-14 | 3/25/2013 | | 1.2 | 1.0 | ug/L |
| Chlorobenzene | MW-14 | 10/23/2009 | | 1.0 | 1.0 | ug/L |
| Chlorobenzene | MW-14 | 1/27/2010 | | 1.6 | 1.0 | ug/L |
| Chlorobenzene | MW-14 | 6/17/2010 | | 2.2 | 1.0 | ug/L |
| Chlorobenzene | MW-14 | 9/14/2010 | | 5.1 | 1.0 | ug/L |
| Chlorobenzene | MW-14 | 3/04/2011 | | 2.3 | 1.0 | ug/L |
| Chlorobenzene | MW-14 | 9/27/2011 | | 3.2 | 1.0 | ug/L |
| Chlorobenzene | MW-14 | 3/13/2012 | | 2.4 | 1.0 | ug/L |
| Chlorobenzene | MW-14 | 9/19/2012 | | 1.2 | 1.0 | ug/L |
| Chlorobenzene | MW-14 | 3/25/2013 | | 2.6 | 1.0 | ug/L |
| Chlorobenzene | MW-14 | 9/20/2013 | | 1.1 | 1.0 | ug/L |
| Chlorobenzene | MW-14 | 3/28/2014 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14 | 10/23/2009 | | 4.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14 | 1/27/2010 | | 5.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14 | 3/19/2010 | | 2.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14 | 6/17/2010 | | 1.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14 | 9/14/2010 | | 1.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14 | 3/04/2011 | | 1.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14 | 9/27/2011 | | 5.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14 | 3/13/2012 | | 1.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14 | 3/25/2013 | | 1.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14 | 9/20/2013 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14 | 3/28/2014 | | 1.8 | 1.0 | ug/L |
| Vinyl chloride | MW-14 | 10/23/2009 | | 1.4 | 1.0 | ug/L |
| Vinyl chloride | MW-14 | 1/27/2010 | | 1.5 | 1.0 | ug/L |
| Vinyl chloride | MW-14 | 3/19/2010 | | 1.0 | 1.0 | ug/L |
| Vinyl chloride | MW-14 | 6/17/2010 | | 1.0 | 1.0 | ug/L |
| Vinyl chloride | MW-14 | 9/14/2010 | | 1.7 | 1.0 | ug/L |
| Vinyl chloride | MW-14 | 9/27/2011 | | 1.8 | 1.0 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-14D | 3/06/2024 | | 10 | 6 | ug/L |
| Chloroform | MW-14D | 9/24/2014 | | 1.6 | 1.0 | ug/L |
| Chloroform | MW-14D | 12/02/2014 | | 1.5 | 1.0 | ug/L |
| Chloroform | MW-14D | 9/05/2023 | | 1.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14D | 9/24/2014 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14D | 12/02/2014 | | 8.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14D | 3/03/2016 | | 1.4 | 1.0 | ug/L |
| (3 + 4)-methylphenol | MW-15 | 3/09/2017 | | 31 | 8 | ug/L |
| Acetone | MW-15 | 9/23/2014 | | 11.3 | 10.0 | ug/L |
| Acetone | MW-15 | 3/09/2017 | | 10.5 | 10.0 | ug/L |
| Acetone | MW-15 | 9/14/2017 | | 18.2 | 10.0 | ug/L |
| Benzene | MW-15 | 3/09/2017 | | 1.7 | 1.0 | ug/L |
| Benzene | MW-15 | 9/14/2017 | | 1.3 | 1.0 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-15 | 3/09/2017 | | 12 | 8 | ug/L |
| Toluene | MW-15 | 3/09/2017 | | 1 | 1 | ug/L |
| Xylenes, total | MW-15 | 9/14/2017 | | 3.3 | 2.0 | ug/L |
| Methane | MW-15R | 9/18/2024 | | 14000 | 250 | ug/L |
| Methane | MW-15R | 3/11/2025 | | 7630 | 250 | ug/L |
| Acetone | MW-17 | 3/28/2014 | | 16.3 | 10.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 6/08/2009 | | 9.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 8/13/2009 | | 11.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 10/29/2009 | | 7.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 3/19/2010 | | 2.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 6/17/2010 | | 1.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 9/14/2010 | | 8.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 3/04/2011 | | 5.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 9/27/2011 | | 11.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 3/13/2012 | | 5.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 9/19/2012 | | 2.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 3/25/2013 | | 3.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 9/20/2013 | | 5.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 3/28/2014 | | 3.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17 | 9/23/2014 | | 1.1 | 1.0 | ug/L |
| Acetone | MW-17R | 9/14/2017 | | 13.3 | 10.0 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-17R | 3/28/2022 | | 13 | 6 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Cis-1,2-dichloroethylene | MW-17R | 9/23/2014 | | 1.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/18/2015 | | 6.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 8/27/2015 | | 3.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/03/2016 | | 3.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/21/2016 | | 2.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/09/2017 | | 6.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/14/2017 | | 2.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/12/2018 | | 3.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/10/2018 | | 2.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/26/2019 | | 3.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/16/2019 | | 4.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/24/2020 | | 4.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/02/2020 | | 3.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/08/2021 | | 3.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/14/2021 | | 4.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/28/2022 | | 4.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/13/2022 | | 3.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/23/2023 | | 2.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/05/2023 | | 3.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/06/2024 | | 1.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/18/2024 | | 1.6 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-17R | 3/12/2018 | | 3.3 | 1.0 | ug/L |
| 2-butanone (mek) | MW-19 | 3/28/2014 | | 41.9 | 5.0 | ug/L |
| Acetone | MW-19 | 3/20/2010 | | 69.4 | 10.0 | ug/L |
| Acetone | MW-19 | 3/13/2012 | | 21.0 | 10.0 | ug/L |
| Acetone | MW-19 | 3/28/2014 | | 523.0 | 100.0 | ug/L |
| Chloroethane | MW-19 | 3/28/2014 | | 1.4 | 1.0 | ug/L |
| Benzene | MW-20 | 3/25/2013 | | 1.4 | 1.0 | ug/L |
| Benzene | MW-20 | 5/08/2013 | | 1.8 | 1.0 | ug/L |
| Benzene | MW-20 | 7/17/2013 | | 1.5 | 1.0 | ug/L |
| Benzene | MW-20 | 3/28/2014 | | 1.2 | 1.0 | ug/L |
| Benzene | MW-20 | 9/24/2014 | | 1.6 | 1.0 | ug/L |
| Chlorobenzene | MW-20 | 3/25/2013 | | 3.5 | 1.0 | ug/L |
| Chlorobenzene | MW-20 | 5/08/2013 | | 5.1 | 1.0 | ug/L |
| Chlorobenzene | MW-20 | 7/17/2013 | | 5.0 | 1.0 | ug/L |
| Chlorobenzene | MW-20 | 3/28/2014 | | 2.2 | 1.0 | ug/L |
| Chlorobenzene | MW-20 | 9/24/2014 | | 3.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-20 | 3/25/2013 | | 1.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-20 | 5/08/2013 | | 1.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-20 | 7/17/2013 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-20 | 3/28/2014 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-20 | 9/24/2014 | | 1.6 | 1.0 | ug/L |
| Vinyl chloride | MW-20 | 3/13/2012 | | 1.6 | 1.0 | ug/L |
| Vinyl chloride | MW-20 | 9/19/2012 | | 3.2 | 1.0 | ug/L |
| Vinyl chloride | MW-20 | 3/25/2013 | | 1.7 | 1.0 | ug/L |
| Vinyl chloride | MW-20 | 5/08/2013 | | 2.3 | 1.0 | ug/L |
| Vinyl chloride | MW-20 | 7/17/2013 | | 1.8 | 1.0 | ug/L |
| Vinyl chloride | MW-20 | 9/20/2013 | | 1.0 | 1.0 | ug/L |
| Vinyl chloride | MW-20 | 3/28/2014 | | 1.8 | 1.0 | ug/L |
| Vinyl chloride | MW-20 | 9/24/2014 | | 2.5 | 1.0 | ug/L |
| Acetone | MW-21 | 9/14/2017 | | 12 | 10 | ug/L |
| Acetone | MW-23B | 9/14/2017 | | 13 | 10 | ug/L |
| Cis-1,2-dichloroethylene | MW-24A | 9/24/2014 | | 1.3 | 1.0 | ug/L |
| Acetone | MW-24D | 9/14/2017 | | 11.9 | 10.0 | ug/L |
| Carbon disulfide | MW-24D | 3/19/2015 | | 1.5 | 1.0 | ug/L |
| Chloroform | MW-24D | 9/24/2014 | | 1.8 | 1.0 | ug/L |
| Chloroform | MW-24D | 12/02/2014 | | 1.0 | 1.0 | ug/L |
| Benzene | MW-25 | 9/24/2014 | | 1.7 | 1.0 | ug/L |
| Chlorobenzene | MW-25 | 9/24/2014 | | 5.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-25 | 9/24/2014 | | 2.4 | 1.0 | ug/L |
| Vinyl chloride | MW-25 | 9/24/2014 | | 3.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-26 | 9/24/2014 | | 1 | 1 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/24/2014 | | 4.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 12/02/2014 | | 3.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/19/2015 | | 3.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 8/27/2015 | | 2.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 12/10/2015 | | 3.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 2/11/2016 | | 5.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/04/2016 | | 14.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 5/10/2016 | | 7.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/20/2016 | | 5.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/09/2017 | | 15.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/14/2017 | | 15.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/12/2018 | | 21.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/10/2018 | | 12.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/26/2019 | | 17.7 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Cis-1,2-dichloroethylene | MW-28 | 9/16/2019 | | 13.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/24/2020 | | 15.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/02/2020 | | 17.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/08/2021 | | 10.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 10/15/2021 | | 21.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/28/2022 | | 15.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/13/2022 | | 14.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/23/2023 | | 10.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/05/2023 | | 12.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/06/2024 | | 9.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/18/2024 | | 10.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/10/2025 | | 4.9 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-28 | 3/12/2018 | | 20.2 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-28 | 9/02/2020 | | 1.1 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 3/04/2016 | | 1.4 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 3/09/2017 | | 1.8 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 9/14/2017 | | 1.1 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 3/12/2018 | | 2.0 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 3/26/2019 | | 1.4 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 9/02/2020 | | 1.5 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 10/15/2021 | | 1.6 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 3/28/2022 | | 1.5 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 3/23/2023 | | 1.2 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 9/18/2024 | | 1.3 | 1.0 | ug/L |
| Benzene | MW-2A | 8/07/2006 | | .88 | .50 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/24/2014 | | 4.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/19/2015 | | 5.4 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/03/2016 | | 5.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/20/2016 | | 5.2 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/09/2017 | | 6.2 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/14/2017 | | 6.1 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/12/2018 | | 6.3 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/10/2018 | | 3.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/26/2019 | | 6.0 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/16/2019 | | 5.0 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/02/2020 | | 4.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/08/2021 | | 4.6 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/28/2022 | | 4.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/23/2023 | | 3.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/18/2024 | | 1.0 | 1.0 | ug/L |
| Acetone | MW-31 | 9/14/2017 | | 15.0 | 10.0 | ug/L |
| Acetone | MW-31 | 9/18/2024 | | 40.5 | 10.0 | ug/L |
| Benzene | MW-31 | 9/24/2014 | | 3.9 | 1.0 | ug/L |
| Benzene | MW-31 | 3/19/2015 | | 5.2 | 1.0 | ug/L |
| Benzene | MW-31 | 3/03/2016 | | 4.0 | 1.0 | ug/L |
| Benzene | MW-31 | 9/20/2016 | | 3.3 | 1.0 | ug/L |
| Benzene | MW-31 | 3/09/2017 | | 5.0 | 1.0 | ug/L |
| Benzene | MW-31 | 9/14/2017 | | 4.0 | 1.0 | ug/L |
| Benzene | MW-31 | 3/12/2018 | | 5.0 | 1.0 | ug/L |
| Benzene | MW-31 | 9/10/2018 | | 2.1 | 1.0 | ug/L |
| Benzene | MW-31 | 3/26/2019 | | 1.5 | 1.0 | ug/L |
| Benzene | MW-31 | 9/16/2019 | | 1.5 | 1.0 | ug/L |
| Benzene | MW-31 | 9/02/2020 | | 1.3 | 1.0 | ug/L |
| Benzene | MW-31 | 3/08/2021 | | 1.2 | 1.0 | ug/L |
| Benzene | MW-31 | 3/28/2022 | | 1.4 | 1.0 | ug/L |
| Benzene | MW-31 | 3/23/2023 | | 1.4 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/24/2014 | | 7.1 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/19/2015 | | 7.9 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/03/2016 | | 7.6 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/20/2016 | | 7.0 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/09/2017 | | 8.4 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/14/2017 | | 8.6 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/12/2018 | | 8.6 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/10/2018 | | 6.2 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/26/2019 | | 5.9 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/16/2019 | | 4.5 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/02/2020 | | 2.7 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/08/2021 | | 3.0 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/28/2022 | | 2.9 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/23/2023 | | 1.9 | 1.0 | ug/L |
| Chloroethane | MW-31 | 9/14/2017 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-31 | 3/12/2018 | | 2.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-31 | 3/26/2019 | | 4.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-31 | 9/16/2019 | | 2.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-31 | 3/08/2021 | | 1.7 | 1.0 | ug/L |
| Vinyl chloride | MW-31 | 9/14/2017 | | 1.6 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Vinyl chloride | MW-31 | 3/12/2018 | | 2.2 | 1.0 | ug/L |
| Vinyl chloride | MW-31 | 3/26/2019 | | 2.1 | 1.0 | ug/L |
| Vinyl chloride | MW-31 | 9/16/2019 | | 1.0 | 1.0 | ug/L |
| Vinyl chloride | MW-31 | 3/08/2021 | | 1.9 | 1.0 | ug/L |
| Xylenes, total | MW-31 | 3/09/2017 | | 3 | 2 | ug/L |
| Xylenes, total | MW-31 | 3/26/2019 | | 2 | 2 | ug/L |
| Chlorobenzene | MW-32 | 3/03/2016 | | 1.8 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 9/20/2016 | | 1.6 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/09/2017 | | 2.7 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 9/14/2017 | | 2.7 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/12/2018 | | 3.9 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 9/10/2018 | | 1.7 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/26/2019 | | 1.1 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 9/16/2019 | | 3.0 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/24/2020 | | 2.8 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 9/02/2020 | | 2.0 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/08/2021 | | 1.2 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/28/2022 | | 2.5 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/06/2024 | | 2.2 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/11/2025 | | 1.4 | 1.0 | ug/L |
| Chloromethane | MW-32 | 9/14/2017 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 9/24/2014 | | 2.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 3/19/2015 | | 2.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 3/03/2016 | | 2.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 9/20/2016 | | 1.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 3/09/2017 | | 2.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 9/14/2017 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 3/26/2019 | | 1.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 9/16/2019 | | 2.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 3/24/2020 | | 1.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 3/28/2022 | | 1.0 | 1.0 | ug/L |
| Vinyl chloride | MW-32 | 9/24/2014 | | 2.1 | 1.0 | ug/L |
| Vinyl chloride | MW-32 | 3/19/2015 | | 2.2 | 1.0 | ug/L |
| Vinyl chloride | MW-32 | 3/03/2016 | | 1.8 | 1.0 | ug/L |
| Vinyl chloride | MW-32 | 3/09/2017 | | 1.2 | 1.0 | ug/L |
| Acetone | MW-44 | 7/12/2023 | | 11.1 | 10.0 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-44 | 3/06/2024 | | 14 | 6 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-44 | 9/18/2024 | | 10 | 6 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-44 | 3/11/2025 | | 6 | 6 | ug/L |
| Toluene | MW-44 | 9/05/2023 | | 2.2 | 1.0 | ug/L |
| Acetone | MW-45D | 9/18/2024 | | 38.2 | 10.0 | ug/L |
| Acetone | MW-45D | 12/09/2024 | | 10.0 | 10.0 | ug/L |
| Trichloroethylene | MW-4A | 10/28/1994 | | 5.10 | .17 | ug/L |
| Trichloroethylene | MW-4C | 6/15/2005 | | 1.29 | .17 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-6A | 3/26/2019 | | 55 | 6 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-6A | 3/24/2020 | | 7 | 6 | ug/L |
| 2-butanone (mek) | MW-7B | 3/28/2014 | | 391 | 5 | ug/L |
| 2-butanone (mek) | MW-7B | 9/23/2014 | | 698 | 25 | ug/L |
| Acetone | MW-7B | 3/28/2014 | | 648 | 10 | ug/L |
| Acetone | MW-7B | 9/23/2014 | | 2060 | 50 | ug/L |
| Acetone | MW-7B | 9/14/2017 | | 15 | 10 | ug/L |
| Acetone | MW-8B | 9/20/2013 | | 11.7 | 10.0 | ug/L |
| Acetone | MW-8B | 3/23/2023 | | 12.2 | 10.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-8B | 4/22/2009 | | 1.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-8B | 1/27/2010 | | 1.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-8B | 3/19/2010 | | 1.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-8B | 9/14/2010 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-8B | 3/28/2014 | | 1.1 | 1.0 | ug/L |
| Methane | MW-8B | 3/24/2020 | | 1610.0 | 277.0 | ug/L |
| Methane | MW-8B | 9/02/2020 | | 213.0 | 9.0 | ug/L |
| Methane | MW-8B | 3/08/2021 | | 150.0 | 7.0 | ug/L |
| Methane | MW-8B | 9/18/2024 | | 70.8 | 5.0 | ug/L |
| Methane | MW-8B | 3/11/2025 | | 80.6 | 5.0 | ug/L |
| Trichloroethylene | MW-8B | 7/21/1992 | | 2.10 | .17 | ug/L |
| Trichloroethylene | MW-8B | 10/21/1992 | | 2.10 | .17 | ug/L |
| 1,1-dichloroethane | MW-9A | 3/25/2008 | | 4.5 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 5/30/2008 | | 4.9 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 7/17/2008 | | 2.8 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 9/11/2008 | | 4.6 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 12/20/2008 | | 4.2 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 4/22/2009 | | 5.5 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 6/08/2009 | | 6.4 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 10/23/2009 | | 4.7 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 3/19/2010 | | 3.9 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 9/14/2010 | | 4.7 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 3/04/2011 | | 4.0 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| 1,1-dichloroethane | MW-9A | 9/27/2011 | | 4.7 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 3/13/2012 | | 3.2 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 9/19/2012 | | 3.6 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 3/25/2013 | | 2.7 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 7/17/2013 | | 3.0 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 9/20/2013 | | 3.2 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 3/28/2014 | | 3.4 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 9/23/2014 | | 2.6 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 3/19/2015 | | 2.0 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 8/27/2015 | | 1.9 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 3/03/2016 | | 3.3 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 9/20/2016 | | 1.0 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9A | 3/09/2017 | | 2.1 | 1.0 | ug/L |
| 1,2-dichloroethane | MW-9A | 7/21/1992 | | 1.90 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 10/21/1992 | | 2.80 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 4/26/1993 | | 2.60 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 10/28/1994 | | 2.50 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 4/05/1996 | | 3.20 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 7/30/1996 | | 2.50 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 10/24/1996 | | 3.20 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 2/27/1997 | | 2.60 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 4/29/1997 | | 2.80 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 7/30/1997 | | 2.70 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 10/10/1997 | | 3.00 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 3/20/1998 | | 2.30 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 5/08/1998 | | 2.80 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 7/24/1998 | | 2.60 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 10/21/1998 | | 2.70 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 3/03/1999 | | 1.70 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 5/14/1999 | | 1.70 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 7/20/1999 | | 1.30 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 3/29/2000 | | 1.40 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 6/27/2000 | | 1.10 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 1/03/2001 | | 1.30 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 11/12/2001 | | .80 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 2/28/2002 | | .70 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 5/02/2002 | | .70 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 10/31/2002 | | .60 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 11/22/2002 | | .60 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 4/22/2003 | | .60 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 11/11/2003 | | .57 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 11/18/2003 | | .62 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 12/01/2003 | | .64 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 4/14/2004 | | .44 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 8/16/2004 | | .54 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 6/15/2005 | | .41 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 9/27/2005 | | .61 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 10/23/2006 | | .47 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 12/05/2006 | | .39 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 3/29/2007 | | .18 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 5/17/2007 | | .16 | .16 | ug/L |
| 1,2-dichloroethane | MW-9A | 7/11/2007 | | .34 | .16 | ug/L |
| 1,2-dichloropropane | MW-9A | 4/22/2009 | | 1.9 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9A | 3/28/2014 | | 2.2 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9A | 8/27/2015 | | 1.2 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9A | 3/09/2017 | | 2.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 7/21/1992 | | 1.50 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 10/21/1992 | | 2.50 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 4/26/1993 | | 2.10 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 10/06/1993 | | 2.70 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 5/10/1994 | | 1.80 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 10/28/1994 | | 1.00 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 4/05/1996 | | 3.50 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 7/30/1996 | | 2.30 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 10/24/1996 | | 2.80 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 2/27/1997 | | 3.10 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 4/29/1997 | | 3.40 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 7/30/1997 | | 3.60 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 10/10/1997 | | 4.30 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 3/20/1998 | | 3.90 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 5/08/1998 | | 4.30 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 7/24/1998 | | 3.80 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 10/21/1998 | | 4.30 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 3/03/1999 | | 3.80 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 5/14/1999 | | 2.40 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 7/20/1999 | | 1.90 | .12 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| 1,4-dichlorobenzene | MW-9A | 10/28/1999 | | 2.70 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 3/29/2000 | | 3.20 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 6/27/2000 | | 3.00 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 10/03/2000 | | 3.20 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 1/03/2001 | | 3.80 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 11/12/2001 | | 2.20 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 2/28/2002 | | 3.00 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 5/02/2002 | | 3.10 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 10/31/2002 | | 2.60 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 4/22/2003 | | 2.40 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 11/11/2003 | | 2.91 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 11/18/2003 | | 3.22 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 12/01/2003 | | 3.03 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 8/16/2004 | | 1.45 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 6/15/2005 | | 3.20 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 9/27/2005 | | 2.38 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 11/10/2005 | | 2.00 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 8/07/2006 | | 1.65 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 10/23/2006 | | 2.45 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 12/05/2006 | | 2.50 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 3/29/2007 | | 2.69 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 5/17/2007 | | 1.97 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 7/11/2007 | | 1.59 | .12 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 3/25/2008 | | 3.30 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 5/30/2008 | | 2.80 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 7/17/2008 | | 4.00 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 9/11/2008 | | 2.40 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 12/20/2008 | | 1.70 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 4/22/2009 | | 1.40 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 6/08/2009 | | 2.00 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 10/23/2009 | | 2.20 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 9/14/2010 | | 1.60 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 3/04/2011 | | 2.00 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 9/27/2011 | | 1.10 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 3/25/2013 | | 2.50 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 7/17/2013 | | 1.90 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 3/28/2014 | | 2.30 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 9/23/2014 | | 1.10 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 3/19/2015 | | 2.30 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 8/27/2015 | | 2.50 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 3/03/2016 | | 1.90 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 9/20/2016 | | 1.60 | 1.00 | ug/L |
| 1,4-dichlorobenzene | MW-9A | 3/09/2017 | | 2.10 | 1.00 | ug/L |
| 2-butanone (mek) | MW-9A | 7/17/2008 | | 2830 | 50 | ug/L |
| 2-butanone (mek) | MW-9A | 7/17/2008 | | 2050 | 5 | ug/L |
| 2-butanone (mek) | MW-9A | 9/11/2008 | | 598 | 5 | ug/L |
| 4-methyl-2-pentanone (mibk) | MW-9A | 7/17/2008 | | 58.7 | 5.0 | ug/L |
| 4-methyl-2-pentanone (mibk) | MW-9A | 9/11/2008 | | 20.3 | 5.0 | ug/L |
| Acetone | MW-9A | 3/25/2008 | | 10.4 | 10.0 | ug/L |
| Acetone | MW-9A | 7/17/2008 | | 951.0 | 100.0 | ug/L |
| Acetone | MW-9A | 7/17/2008 | | 781.0 | 10.0 | ug/L |
| Acetone | MW-9A | 9/11/2008 | | 257.0 | 10.0 | ug/L |
| Benzene | MW-9A | 7/21/1992 | | 9.80 | .50 | ug/L |
| Benzene | MW-9A | 10/21/1992 | | 12.50 | .50 | ug/L |
| Benzene | MW-9A | 1/11/1993 | | 11.00 | .50 | ug/L |
| Benzene | MW-9A | 4/26/1993 | | 11.60 | .50 | ug/L |
| Benzene | MW-9A | 10/06/1993 | | 10.90 | .50 | ug/L |
| Benzene | MW-9A | 5/10/1994 | | 9.60 | .50 | ug/L |
| Benzene | MW-9A | 10/28/1994 | | 10.10 | .50 | ug/L |
| Benzene | MW-9A | 5/03/1995 | | 8.40 | .50 | ug/L |
| Benzene | MW-9A | 4/05/1996 | | 10.70 | .50 | ug/L |
| Benzene | MW-9A | 7/30/1996 | | 9.60 | .50 | ug/L |
| Benzene | MW-9A | 10/24/1996 | | 9.20 | .50 | ug/L |
| Benzene | MW-9A | 2/27/1997 | | 10.60 | .50 | ug/L |
| Benzene | MW-9A | 4/29/1997 | | 11.60 | .50 | ug/L |
| Benzene | MW-9A | 7/30/1997 | | 10.70 | .50 | ug/L |
| Benzene | MW-9A | 10/10/1997 | | 11.40 | .50 | ug/L |
| Benzene | MW-9A | 3/20/1998 | | 10.90 | .50 | ug/L |
| Benzene | MW-9A | 5/08/1998 | | 10.20 | .50 | ug/L |
| Benzene | MW-9A | 7/24/1998 | | 9.00 | .50 | ug/L |
| Benzene | MW-9A | 10/21/1998 | | 10.60 | .50 | ug/L |
| Benzene | MW-9A | 3/03/1999 | | 6.90 | .50 | ug/L |
| Benzene | MW-9A | 5/14/1999 | | 5.50 | .50 | ug/L |
| Benzene | MW-9A | 7/20/1999 | | 5.00 | .50 | ug/L |
| Benzene | MW-9A | 10/28/1999 | | 5.60 | .50 | ug/L |
| Benzene | MW-9A | 3/29/2000 | | 7.00 | .50 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Benzene | MW-9A | 6/27/2000 | | 6.60 | .50 | ug/L |
| Benzene | MW-9A | 10/03/2000 | | 6.10 | .50 | ug/L |
| Benzene | MW-9A | 1/03/2001 | | 7.40 | .50 | ug/L |
| Benzene | MW-9A | 11/12/2001 | | 4.50 | .50 | ug/L |
| Benzene | MW-9A | 2/28/2002 | | 5.50 | .50 | ug/L |
| Benzene | MW-9A | 5/02/2002 | | 4.70 | .50 | ug/L |
| Benzene | MW-9A | 10/31/2002 | | 4.70 | .50 | ug/L |
| Benzene | MW-9A | 11/22/2002 | | 4.60 | .50 | ug/L |
| Benzene | MW-9A | 4/22/2003 | | 4.40 | .50 | ug/L |
| Benzene | MW-9A | 11/11/2003 | | 5.84 | .50 | ug/L |
| Benzene | MW-9A | 11/18/2003 | | 5.97 | .50 | ug/L |
| Benzene | MW-9A | 12/01/2003 | | 6.11 | .50 | ug/L |
| Benzene | MW-9A | 2/24/2004 | | 4.10 | .50 | ug/L |
| Benzene | MW-9A | 4/14/2004 | | 2.25 | .50 | ug/L |
| Benzene | MW-9A | 8/16/2004 | | 3.59 | .50 | ug/L |
| Benzene | MW-9A | 9/27/2004 | | 4.99 | .50 | ug/L |
| Benzene | MW-9A | 10/26/2004 | | 3.17 | .50 | ug/L |
| Benzene | MW-9A | 2/25/2005 | | 2.62 | .50 | ug/L |
| Benzene | MW-9A | 6/15/2005 | | 5.85 | .50 | ug/L |
| Benzene | MW-9A | 11/10/2005 | | 4.46 | .50 | ug/L |
| Benzene | MW-9A | 2/14/2006 | | 4.20 | .50 | ug/L |
| Benzene | MW-9A | 6/28/2006 | | 2.90 | .50 | ug/L |
| Benzene | MW-9A | 8/07/2006 | | 3.84 | .50 | ug/L |
| Benzene | MW-9A | 10/23/2006 | | 4.74 | .50 | ug/L |
| Benzene | MW-9A | 12/05/2006 | | 4.52 | .50 | ug/L |
| Benzene | MW-9A | 3/29/2007 | | 4.76 | .50 | ug/L |
| Benzene | MW-9A | 5/17/2007 | | 3.85 | .50 | ug/L |
| Benzene | MW-9A | 7/11/2007 | | 3.30 | .50 | ug/L |
| Benzene | MW-9A | 3/25/2008 | | 4.40 | 1.00 | ug/L |
| Benzene | MW-9A | 5/30/2008 | | 4.50 | 1.00 | ug/L |
| Benzene | MW-9A | 7/17/2008 | | 5.30 | 1.00 | ug/L |
| Benzene | MW-9A | 9/11/2008 | | 4.20 | 1.00 | ug/L |
| Benzene | MW-9A | 12/20/2008 | | 3.80 | 1.00 | ug/L |
| Benzene | MW-9A | 4/22/2009 | | 3.20 | 1.00 | ug/L |
| Benzene | MW-9A | 6/08/2009 | | 5.10 | 1.00 | ug/L |
| Benzene | MW-9A | 10/23/2009 | | 4.60 | 1.00 | ug/L |
| Benzene | MW-9A | 3/19/2010 | | 3.40 | 1.00 | ug/L |
| Benzene | MW-9A | 9/14/2010 | | 3.40 | 1.00 | ug/L |
| Benzene | MW-9A | 3/04/2011 | | 5.60 | 1.00 | ug/L |
| Benzene | MW-9A | 9/27/2011 | | 3.40 | 1.00 | ug/L |
| Benzene | MW-9A | 3/13/2012 | | 4.80 | 1.00 | ug/L |
| Benzene | MW-9A | 9/19/2012 | | 5.00 | 1.00 | ug/L |
| Benzene | MW-9A | 3/25/2013 | | 5.20 | 1.00 | ug/L |
| Benzene | MW-9A | 7/17/2013 | | 4.80 | 1.00 | ug/L |
| Benzene | MW-9A | 9/20/2013 | | 3.50 | 1.00 | ug/L |
| Benzene | MW-9A | 3/28/2014 | | 4.30 | 1.00 | ug/L |
| Benzene | MW-9A | 9/23/2014 | | 4.60 | 1.00 | ug/L |
| Benzene | MW-9A | 3/19/2015 | | 5.30 | 1.00 | ug/L |
| Benzene | MW-9A | 8/27/2015 | | 5.00 | 1.00 | ug/L |
| Benzene | MW-9A | 3/03/2016 | | 2.60 | 1.00 | ug/L |
| Benzene | MW-9A | 9/20/2016 | | 2.50 | 1.00 | ug/L |
| Benzene | MW-9A | 3/09/2017 | | 3.00 | 1.00 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-9A | 9/14/2010 | | 9 | 8 | ug/L |
| Chlorobenzene | MW-9A | 3/25/2008 | | 6.8 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 5/30/2008 | | 8.4 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 7/17/2008 | | 11.2 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 9/11/2008 | | 6.3 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 12/20/2008 | | 4.3 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 4/22/2009 | | 3.1 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 6/08/2009 | | 5.1 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 10/23/2009 | | 6.3 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 3/19/2010 | | 4.7 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 9/14/2010 | | 5.5 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 3/04/2011 | | 7.1 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 9/27/2011 | | 3.6 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 3/13/2012 | | 3.4 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 9/19/2012 | | 3.7 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 3/25/2013 | | 5.6 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 7/17/2013 | | 5.0 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 9/20/2013 | | 2.0 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 3/28/2014 | | 5.2 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 9/23/2014 | | 5.1 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 3/19/2015 | | 6.4 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 8/27/2015 | | 5.9 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 3/03/2016 | | 4.0 | 1.0 | ug/L |
| Chlorobenzene | MW-9A | 9/20/2016 | | 4.2 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Chlorobenzene | MW-9A | 3/09/2017 | | 5.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 3/25/2008 | | 76.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 5/30/2008 | | 71.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 7/17/2008 | | 29.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 9/11/2008 | | 76.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 12/20/2008 | | 35.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 4/22/2009 | | 108.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 6/08/2009 | | 73.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 10/23/2009 | | 77.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 3/19/2010 | | 82.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 9/14/2010 | | 118.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 3/04/2011 | | 62.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 9/27/2011 | | 137.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 3/13/2012 | | 50.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 9/19/2012 | | 56.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 3/25/2013 | | 47.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 7/17/2013 | | 49.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 9/20/2013 | | 49.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 3/28/2014 | | 103.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 9/23/2014 | | 48.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 3/19/2015 | | 43.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 8/27/2015 | | 37.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 3/03/2016 | | 169.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 9/20/2016 | | 31.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9A | 3/09/2017 | | 120.0 | 1.0 | ug/L |
| Ethylbenzene | MW-9A | 7/17/2008 | | 5.8 | 1.0 | ug/L |
| Ethylbenzene | MW-9A | 9/11/2008 | | 1.6 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 3/25/2008 | | 2.6 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 5/30/2008 | | 1.2 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 7/17/2008 | | 1.0 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 9/11/2008 | | 1.2 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 4/22/2009 | | 2.0 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 10/23/2009 | | 1.2 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 3/19/2010 | | 1.3 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 9/14/2010 | | 1.7 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 9/27/2011 | | 2.9 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 3/13/2012 | | 1.9 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 9/19/2012 | | 3.2 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 7/17/2013 | | 1.1 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 9/20/2013 | | 3.4 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 3/28/2014 | | 1.6 | 1.0 | ug/L |
| Tetrachloroethylene | MW-9A | 3/03/2016 | | 1.2 | 1.0 | ug/L |
| Toluene | MW-9A | 7/17/2008 | | 142.0 | 1.0 | ug/L |
| Toluene | MW-9A | 9/11/2008 | | 117.0 | 1.0 | ug/L |
| Toluene | MW-9A | 12/20/2008 | | 3.5 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 3/25/2008 | | 1.9 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 5/30/2008 | | 2.4 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 7/17/2008 | | 2.1 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 9/11/2008 | | 4.0 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 12/20/2008 | | 3.4 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 4/22/2009 | | 3.3 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 6/08/2009 | | 3.7 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 10/23/2009 | | 2.7 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 3/19/2010 | | 2.2 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 9/14/2010 | | 3.1 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 3/04/2011 | | 2.2 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 9/27/2011 | | 3.6 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 3/13/2012 | | 2.1 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 9/19/2012 | | 2.7 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 3/25/2013 | | 1.8 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 7/17/2013 | | 1.6 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 9/20/2013 | | 2.1 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 3/28/2014 | | 2.3 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 9/23/2014 | | 1.7 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 3/19/2015 | | 3.4 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 8/27/2015 | | 3.7 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 3/03/2016 | | 3.5 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 9/20/2016 | | 1.3 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9A | 3/09/2017 | | 2.7 | 1.0 | ug/L |
| Trichloroethylene | MW-9A | 10/21/1992 | | 4.40 | .17 | ug/L |
| Trichloroethylene | MW-9A | 4/26/1993 | | 6.00 | .17 | ug/L |
| Trichloroethylene | MW-9A | 10/06/1993 | | 3.70 | .17 | ug/L |
| Trichloroethylene | MW-9A | 5/03/1995 | | 5.70 | .17 | ug/L |
| Trichloroethylene | MW-9A | 4/05/1996 | | 8.20 | .17 | ug/L |
| Trichloroethylene | MW-9A | 7/30/1996 | | 10.60 | .17 | ug/L |
| Trichloroethylene | MW-9A | 10/24/1996 | | 11.00 | .17 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Trichloroethylene | MW-9A | 2/27/1997 | | 9.50 | .17 | ug/L |
| Trichloroethylene | MW-9A | 4/29/1997 | | 11.60 | .17 | ug/L |
| Trichloroethylene | MW-9A | 7/30/1997 | | 9.20 | .17 | ug/L |
| Trichloroethylene | MW-9A | 10/10/1997 | | 9.40 | .17 | ug/L |
| Trichloroethylene | MW-9A | 3/20/1998 | | 15.00 | .17 | ug/L |
| Trichloroethylene | MW-9A | 5/08/1998 | | 9.50 | .17 | ug/L |
| Trichloroethylene | MW-9A | 7/24/1998 | | 8.90 | .17 | ug/L |
| Trichloroethylene | MW-9A | 10/21/1998 | | 12.70 | .17 | ug/L |
| Trichloroethylene | MW-9A | 3/03/1999 | | 11.10 | .17 | ug/L |
| Trichloroethylene | MW-9A | 5/14/1999 | | 17.60 | .17 | ug/L |
| Trichloroethylene | MW-9A | 7/20/1999 | | 10.90 | .17 | ug/L |
| Trichloroethylene | MW-9A | 10/28/1999 | | 20.00 | .17 | ug/L |
| Trichloroethylene | MW-9A | 3/29/2000 | | 8.70 | .17 | ug/L |
| Trichloroethylene | MW-9A | 6/27/2000 | | 9.40 | .17 | ug/L |
| Trichloroethylene | MW-9A | 10/03/2000 | | 10.80 | .17 | ug/L |
| Trichloroethylene | MW-9A | 1/03/2001 | | 10.50 | .17 | ug/L |
| Trichloroethylene | MW-9A | 11/12/2001 | | 16.20 | .17 | ug/L |
| Trichloroethylene | MW-9A | 2/28/2002 | | 11.30 | .17 | ug/L |
| Trichloroethylene | MW-9A | 5/02/2002 | | 13.80 | .17 | ug/L |
| Trichloroethylene | MW-9A | 10/31/2002 | | 17.90 | .17 | ug/L |
| Trichloroethylene | MW-9A | 11/22/2002 | | 26.90 | .17 | ug/L |
| Trichloroethylene | MW-9A | 4/22/2003 | | 21.40 | .17 | ug/L |
| Trichloroethylene | MW-9A | 11/11/2003 | | 15.20 | .17 | ug/L |
| Trichloroethylene | MW-9A | 11/18/2003 | | 14.20 | .17 | ug/L |
| Trichloroethylene | MW-9A | 12/01/2003 | | 10.60 | .17 | ug/L |
| Trichloroethylene | MW-9A | 4/14/2004 | | 16.40 | .17 | ug/L |
| Trichloroethylene | MW-9A | 8/16/2004 | | 14.80 | .17 | ug/L |
| Trichloroethylene | MW-9A | 10/26/2004 | | 10.60 | .17 | ug/L |
| Trichloroethylene | MW-9A | 2/25/2005 | | 20.80 | .17 | ug/L |
| Trichloroethylene | MW-9A | 6/15/2005 | | 4.00 | .17 | ug/L |
| Trichloroethylene | MW-9A | 9/27/2005 | | 6.03 | .17 | ug/L |
| Trichloroethylene | MW-9A | 11/10/2005 | | 13.50 | .17 | ug/L |
| Trichloroethylene | MW-9A | 2/14/2006 | | 9.80 | .17 | ug/L |
| Trichloroethylene | MW-9A | 6/28/2006 | | 15.00 | .17 | ug/L |
| Trichloroethylene | MW-9A | 8/07/2006 | | 14.60 | .17 | ug/L |
| Trichloroethylene | MW-9A | 10/23/2006 | | 12.10 | .17 | ug/L |
| Trichloroethylene | MW-9A | 12/05/2006 | | 10.90 | .17 | ug/L |
| Trichloroethylene | MW-9A | 3/29/2007 | | 8.29 | .17 | ug/L |
| Trichloroethylene | MW-9A | 5/17/2007 | | 17.40 | .17 | ug/L |
| Trichloroethylene | MW-9A | 7/11/2007 | | 10.70 | .17 | ug/L |
| Trichloroethylene | MW-9A | 3/25/2008 | | 15.50 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 5/30/2008 | | 16.10 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 7/17/2008 | | 6.80 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 9/11/2008 | | 13.00 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 12/20/2008 | | 3.80 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 4/22/2009 | | 22.10 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 6/08/2009 | | 11.80 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 10/23/2009 | | 14.60 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 3/19/2010 | | 15.00 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 9/14/2010 | | 21.20 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 3/04/2011 | | 11.10 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 9/27/2011 | | 32.80 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 3/13/2012 | | 23.20 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 9/19/2012 | | 31.00 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 3/25/2013 | | 9.50 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 7/17/2013 | | 13.10 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 9/20/2013 | | 33.60 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 3/28/2014 | | 20.40 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 9/23/2014 | | 6.40 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 3/19/2015 | | 3.40 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 3/03/2016 | | 18.90 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 9/20/2016 | | 4.60 | 1.00 | ug/L |
| Trichloroethylene | MW-9A | 3/09/2017 | | 13.90 | 1.00 | ug/L |
| Vinyl chloride | MW-9A | 3/25/2008 | | 19.8 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 5/30/2008 | | 25.8 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 7/17/2008 | | 6.7 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 9/11/2008 | | 18.0 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 12/20/2008 | | 22.0 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 4/22/2009 | | 29.4 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 6/08/2009 | | 27.1 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 10/23/2009 | | 21.4 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 3/19/2010 | | 23.0 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 9/14/2010 | | 35.0 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 3/04/2011 | | 45.0 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 9/27/2011 | | 41.4 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 3/13/2012 | | 80.7 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Vinyl chloride | MW-9A | 9/19/2012 | | 109.0 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 3/25/2013 | | 49.0 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 7/17/2013 | | 83.1 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 9/20/2013 | | 105.0 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 3/28/2014 | | 40.8 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 9/23/2014 | | 80.3 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 3/19/2015 | | 93.2 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 8/27/2015 | | 113.0 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 3/03/2016 | | 56.8 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 9/20/2016 | | 43.0 | 1.0 | ug/L |
| Vinyl chloride | MW-9A | 3/09/2017 | | 29.2 | 1.0 | ug/L |
| Xylenes, total | MW-9A | 7/17/2008 | | 17.0 | 2.0 | ug/L |
| Xylenes, total | MW-9A | 9/11/2008 | | 4.6 | 2.0 | ug/L |
| Xylenes, total | MW-9A | 3/19/2010 | | 2.0 | 2.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 12/13/2017 | | 2.1 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/12/2018 | | 2.1 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 6/06/2018 | | 1.6 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/10/2018 | | 1.9 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/26/2019 | | 1.7 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/16/2019 | | 1.5 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/24/2020 | | 1.5 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/02/2020 | | 1.4 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/08/2021 | | 1.4 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/14/2021 | | 1.4 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/28/2022 | | 1.3 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/13/2022 | | 1.2 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/05/2023 | | 1.5 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/06/2024 | | 1.3 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9AR | 3/12/2018 | | 1.1 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9AR | 9/14/2021 | | 1.0 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9AR | 3/28/2022 | | 1.4 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9AR | 3/23/2023 | | 1.3 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9AR | 3/06/2024 | | 1.1 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-9AR | 6/06/2018 | | 1.4 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-9AR | 9/10/2018 | | 1.4 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-9AR | 3/26/2019 | | 1.2 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-9AR | 3/06/2024 | | 1.0 | 1.0 | ug/L |
| Benzene | MW-9AR | 12/13/2017 | | 2.4 | 1.0 | ug/L |
| Benzene | MW-9AR | 3/12/2018 | | 2.6 | 1.0 | ug/L |
| Benzene | MW-9AR | 6/06/2018 | | 2.8 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/10/2018 | | 3.2 | 1.0 | ug/L |
| Benzene | MW-9AR | 3/26/2019 | | 2.0 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/16/2019 | | 1.6 | 1.0 | ug/L |
| Benzene | MW-9AR | 3/24/2020 | | 1.5 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/02/2020 | | 2.0 | 1.0 | ug/L |
| Benzene | MW-9AR | 3/08/2021 | | 1.4 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/14/2021 | | 1.2 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/13/2022 | | 2.1 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/05/2023 | | 2.0 | 1.0 | ug/L |
| Benzene | MW-9AR | 3/06/2024 | | 2.4 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/18/2024 | | 1.5 | 1.0 | ug/L |
| Carbon disulfide | MW-9AR | 3/24/2020 | | 1.2 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 12/13/2017 | | 1.7 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 3/12/2018 | | 1.5 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 6/06/2018 | | 4.4 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/10/2018 | | 4.7 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 3/26/2019 | | 4.3 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/16/2019 | | 5.5 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 3/24/2020 | | 3.8 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/02/2020 | | 5.9 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 3/08/2021 | | 3.6 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/14/2021 | | 3.4 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/13/2022 | | 3.0 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/05/2023 | | 5.8 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 3/06/2024 | | 5.8 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/18/2024 | | 4.3 | 1.0 | ug/L |
| Chloroethane | MW-9AR | 9/10/2018 | | 2.6 | 1.0 | ug/L |
| Chloroethane | MW-9AR | 3/26/2019 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 12/13/2017 | | 120.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/12/2018 | | 94.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 6/06/2018 | | 58.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/10/2018 | | 69.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/26/2019 | | 58.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/16/2019 | | 82.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/24/2020 | | 70.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/02/2020 | | 83.9 | 1.0 | ug/L |

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

## Table 1

## Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Cis-1,2-dichloroethylene | MW-9AR | 3/08/2021 | | 99.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/14/2021 | | 102.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/28/2022 | | 148.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/13/2022 | | 88.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/23/2023 | | 70.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/05/2023 | | 70.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/06/2024 | | 58.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/18/2024 | | 43.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/11/2025 | | 56.4 | 1.0 | ug/L |
| Methane | MW-9AR | 3/24/2020 | | 1940 | 187 | ug/L |
| Methane | MW-9AR | 9/02/2020 | | 1180 | 704 | ug/L |
| Methane | MW-9AR | 3/08/2021 | | 582 | 292 | ug/L |
| Methane | MW-9AR | 9/18/2024 | | 659 | 5 | ug/L |
| Methane | MW-9AR | 3/11/2025 | | 146 | 5 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 12/13/2017 | | 6.8 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/12/2018 | | 86.4 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 6/06/2018 | | 4.2 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/10/2018 | | 5.3 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/26/2019 | | 3.3 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/16/2019 | | 4.5 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/24/2020 | | 4.3 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/02/2020 | | 5.8 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/08/2021 | | 4.4 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/14/2021 | | 4.0 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/28/2022 | | 4.6 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/13/2022 | | 6.8 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/23/2023 | | 4.4 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/05/2023 | | 5.0 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/06/2024 | | 5.1 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/18/2024 | | 4.0 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/11/2025 | | 3.3 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/12/2018 | | 1.7 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 6/06/2018 | | 1.3 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/10/2018 | | 1.3 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/26/2019 | | 1.9 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/24/2020 | | 1.4 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/02/2020 | | 1.9 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/08/2021 | | 2.2 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/14/2021 | | 2.7 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/28/2022 | | 9.0 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/13/2022 | | 1.7 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/23/2023 | | 7.4 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/05/2023 | | 2.4 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/06/2024 | | 1.7 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/18/2024 | | 2.1 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/11/2025 | | 6.6 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 12/13/2017 | | 19.7 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/12/2018 | | 31.5 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 6/06/2018 | | 39.2 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/10/2018 | | 50.7 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/26/2019 | | 24.7 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/16/2019 | | 27.6 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/24/2020 | | 30.4 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/02/2020 | | 33.5 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/08/2021 | | 24.4 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/14/2021 | | 24.1 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/28/2022 | | 1.4 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/13/2022 | | 39.3 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/23/2023 | | 1.2 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/05/2023 | | 32.8 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/06/2024 | | 45.1 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/18/2024 | | 28.2 | 1.0 | ug/L |
| Acetone | Pond-109 | 9/14/2017 | | 14.5 | 10.0 | ug/L |
| Cis-1,2-dichloroethylene | Pond-109 | 3/26/2019 | | 21.4 | 5.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-1 | 9/16/2019 | | 1.2 | 1.0 | ug/L |
| Acetone | SW-101 | 9/14/2017 | | 13.7 | 10.0 | ug/L |
| Bis(2-ethylhexyl) phthalate | SW-101 | 3/09/2017 | | 25 | 8 | ug/L |
| Acetone | SW-102 | 9/14/2017 | | 12.3 | 10.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-102 | 9/26/2011 | | 2 | 1 | ug/L |
| Acetone | SW-103 | 9/14/2017 | | 16.6 | 10.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 9/24/2014 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 12/02/2014 | | 6.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 3/19/2015 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 3/04/2016 | | 25.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 5/10/2016 | | 6.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 3/09/2017 | | 1.7 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Cis-1,2-dichloroethylene | SW-103 | 9/14/2017 | | 2.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 3/12/2018 | | 4.5 | 1.0 | ug/L |
| Vinyl chloride | SW-103 | 12/02/2014 | | 11.5 | 1.0 | ug/L |
| Vinyl chloride | SW-103 | 3/04/2016 | | 10.7 | 1.0 | ug/L |
| Vinyl chloride | SW-103 | 3/09/2017 | | 1.6 | 1.0 | ug/L |
| Vinyl chloride | SW-103 | 9/14/2017 | | 5.4 | 1.0 | ug/L |
| Vinyl chloride | SW-103 | 3/12/2018 | | 3.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-106 | 3/03/2016 | | 1 | 1 | ug/L |
| Cis-1,2-dichloroethylene | SW-109 | 2/11/2016 | | 7.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-109 | 3/04/2016 | | 6.1 | 1.0 | ug/L |
| 1,1-dichloroethane | SW-2A-1 | 3/25/2008 | | 1.5 | 1.0 | ug/L |
| 1,1-dichloroethane | SW-2A-1 | 7/17/2008 | | 1.3 | 1.0 | ug/L |
| 1,1-dichloroethane | SW-2A-1 | 9/11/2008 | | 1.3 | 1.0 | ug/L |
| 1,1-dichloroethane | SW-2A-1 | 4/22/2009 | | 1.3 | 1.0 | ug/L |
| 1,1-dichloroethane | SW-2A-1 | 6/08/2009 | | 1.6 | 1.0 | ug/L |
| 1,1-dichloroethane | SW-2A-1 | 10/30/2009 | | 1.2 | 1.0 | ug/L |
| 1,1-dichloroethane | SW-2A-1 | 3/19/2010 | | 1.2 | 1.0 | ug/L |
| 1,2-dichloroethane | SW-2A-1 | 2/27/1997 | | 4.70 | .16 | ug/L |
| 1,4-dichlorobenzene | SW-2A-1 | 4/26/1993 | | 1.10 | .12 | ug/L |
| 1,4-dichlorobenzene | SW-2A-1 | 4/14/2004 | | 1.25 | .12 | ug/L |
| 1,4-dichlorobenzene | SW-2A-1 | 8/16/2004 | | 1.45 | .12 | ug/L |
| 1,4-dichlorobenzene | SW-2A-1 | 10/23/2006 | | 1.01 | .12 | ug/L |
| 1,4-dichlorobenzene | SW-2A-1 | 3/29/2007 | | .58 | .12 | ug/L |
| 1,4-dichlorobenzene | SW-2A-1 | 5/17/2007 | | .81 | .12 | ug/L |
| 1,4-dichlorobenzene | SW-2A-1 | 7/11/2007 | | 1.01 | .12 | ug/L |
| 1,4-dichlorobenzene | SW-2A-1 | 3/25/2008 | | 1.20 | 1.00 | ug/L |
| 1,4-dichlorobenzene | SW-2A-1 | 7/17/2008 | | 1.20 | 1.00 | ug/L |
| 1,4-dichlorobenzene | SW-2A-1 | 9/11/2008 | | 1.00 | 1.00 | ug/L |
| 1,4-dichlorobenzene | SW-2A-1 | 4/22/2009 | | 1.00 | 1.00 | ug/L |
| 2-butanone (mek) | SW-2A-1 | 7/17/2008 | | 6.8 | 5.0 | ug/L |
| Benzene | SW-2A-1 | 7/21/1992 | | 2.50 | .50 | ug/L |
| Benzene | SW-2A-1 | 10/21/1992 | | 2.90 | .50 | ug/L |
| Benzene | SW-2A-1 | 1/11/1993 | | 3.60 | .50 | ug/L |
| Benzene | SW-2A-1 | 4/26/1993 | | 4.80 | .50 | ug/L |
| Benzene | SW-2A-1 | 10/06/1993 | | 3.00 | .50 | ug/L |
| Benzene | SW-2A-1 | 5/10/1994 | | 2.10 | .50 | ug/L |
| Benzene | SW-2A-1 | 10/28/1994 | | 1.60 | .50 | ug/L |
| Benzene | SW-2A-1 | 5/03/1995 | | 3.50 | .50 | ug/L |
| Benzene | SW-2A-1 | 4/05/1996 | | 1.00 | .50 | ug/L |
| Benzene | SW-2A-1 | 7/30/1996 | | 2.50 | .50 | ug/L |
| Benzene | SW-2A-1 | 10/24/1996 | | 1.70 | .50 | ug/L |
| Benzene | SW-2A-1 | 2/27/1997 | | 1.80 | .50 | ug/L |
| Benzene | SW-2A-1 | 7/30/1997 | | 1.70 | .50 | ug/L |
| Benzene | SW-2A-1 | 3/20/1998 | | 1.50 | .50 | ug/L |
| Benzene | SW-2A-1 | 10/28/1999 | | 1.10 | .50 | ug/L |
| Benzene | SW-2A-1 | 3/29/2000 | | .68 | .50 | ug/L |
| Benzene | SW-2A-1 | 6/27/2000 | | .90 | .50 | ug/L |
| Benzene | SW-2A-1 | 10/03/2000 | | .84 | .50 | ug/L |
| Benzene | SW-2A-1 | 11/12/2001 | | 1.10 | .50 | ug/L |
| Benzene | SW-2A-1 | 2/28/2002 | | .50 | .50 | ug/L |
| Benzene | SW-2A-1 | 5/02/2002 | | .90 | .50 | ug/L |
| Benzene | SW-2A-1 | 10/31/2002 | | 1.90 | .50 | ug/L |
| Benzene | SW-2A-1 | 11/22/2002 | | 1.40 | .50 | ug/L |
| Benzene | SW-2A-1 | 4/22/2003 | | .80 | .50 | ug/L |
| Benzene | SW-2A-1 | 11/11/2003 | | 1.40 | .50 | ug/L |
| Benzene | SW-2A-1 | 11/18/2003 | | 1.43 | .50 | ug/L |
| Benzene | SW-2A-1 | 12/01/2003 | | 1.53 | .50 | ug/L |
| Benzene | SW-2A-1 | 2/24/2004 | | .62 | .50 | ug/L |
| Benzene | SW-2A-1 | 4/14/2004 | | 1.76 | .50 | ug/L |
| Benzene | SW-2A-1 | 8/16/2004 | | 1.89 | .50 | ug/L |
| Benzene | SW-2A-1 | 9/27/2004 | | 1.18 | .50 | ug/L |
| Benzene | SW-2A-1 | 10/26/2004 | | .74 | .50 | ug/L |
| Benzene | SW-2A-1 | 2/25/2005 | | 1.27 | .50 | ug/L |
| Benzene | SW-2A-1 | 6/15/2005 | | 1.27 | .50 | ug/L |
| Benzene | SW-2A-1 | 11/10/2005 | | .84 | .50 | ug/L |
| Benzene | SW-2A-1 | 6/28/2006 | | 1.28 | .50 | ug/L |
| Benzene | SW-2A-1 | 10/23/2006 | | 1.39 | .50 | ug/L |
| Benzene | SW-2A-1 | 12/05/2006 | | 1.06 | .50 | ug/L |
| Benzene | SW-2A-1 | 3/29/2007 | | .81 | .50 | ug/L |
| Benzene | SW-2A-1 | 5/17/2007 | | .76 | .50 | ug/L |
| Benzene | SW-2A-1 | 7/11/2007 | | 1.28 | .50 | ug/L |
| Benzene | SW-2A-1 | 3/25/2008 | | 1.00 | 1.00 | ug/L |
| Benzene | SW-2A-1 | 7/17/2008 | | 1.00 | 1.00 | ug/L |
| Benzene | SW-2A-1 | 6/08/2009 | | 1.00 | 1.00 | ug/L |
| Chloromethane | SW-2A-1 | 5/30/2008 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-1 | 3/25/2008 | | 26.7 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Cis-1,2-dichloroethylene | SW-2A-1 | 5/30/2008 | | 26.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-1 | 7/17/2008 | | 25.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-1 | 9/11/2008 | | 27.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-1 | 12/20/2008 | | 18.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-1 | 4/22/2009 | | 31.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-1 | 6/08/2009 | | 39.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-1 | 10/30/2009 | | 26.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-1 | 3/19/2010 | | 19.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-1 | 9/14/2010 | | 16.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-1 | 3/04/2011 | | 7.6 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | SW-2A-1 | 3/25/2008 | | 1.0 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | SW-2A-1 | 7/17/2008 | | 1.0 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | SW-2A-1 | 9/11/2008 | | 1.1 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | SW-2A-1 | 4/22/2009 | | 1.3 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | SW-2A-1 | 6/08/2009 | | 1.7 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | SW-2A-1 | 10/30/2009 | | 1.1 | 1.0 | ug/L |
| Trichloroethylene | SW-2A-1 | 10/21/1992 | | 16.50 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 1/11/1993 | | 17.50 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 4/26/1993 | | 22.60 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 10/06/1993 | | 8.40 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 10/28/1994 | | 3.30 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 4/05/1996 | | 3.80 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 7/30/1996 | | 5.10 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 10/24/1996 | | 3.40 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 2/27/1997 | | 3.10 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 7/30/1997 | | 4.40 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 3/20/1998 | | 2.40 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 10/28/1999 | | 1.70 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 3/29/2000 | | 1.70 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 6/27/2000 | | 1.90 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 10/03/2000 | | 1.20 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 1/03/2001 | | 1.20 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 11/12/2001 | | 1.10 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 5/02/2002 | | 1.20 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 10/31/2002 | | 1.30 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 11/22/2002 | | 1.20 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 11/11/2003 | | 1.11 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 11/18/2003 | | 1.04 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 4/14/2004 | | 1.05 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 8/16/2004 | | 1.15 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 6/15/2005 | | 2.06 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 3/29/2007 | | .61 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 5/17/2007 | | .61 | .17 | ug/L |
| Trichloroethylene | SW-2A-1 | 7/11/2007 | | .72 | .17 | ug/L |
| Vinyl chloride | SW-2A-1 | 3/25/2008 | | 3.1 | 1.0 | ug/L |
| Vinyl chloride | SW-2A-1 | 5/30/2008 | | 1.8 | 1.0 | ug/L |
| Vinyl chloride | SW-2A-1 | 7/17/2008 | | 4.1 | 1.0 | ug/L |
| Vinyl chloride | SW-2A-1 | 9/11/2008 | | 3.3 | 1.0 | ug/L |
| Vinyl chloride | SW-2A-1 | 12/20/2008 | | 1.7 | 1.0 | ug/L |
| Vinyl chloride | SW-2A-1 | 4/22/2009 | | 3.2 | 1.0 | ug/L |
| Vinyl chloride | SW-2A-1 | 6/08/2009 | | 4.0 | 1.0 | ug/L |
| Vinyl chloride | SW-2A-1 | 10/30/2009 | | 3.0 | 1.0 | ug/L |
| Vinyl chloride | SW-2A-1 | 3/19/2010 | | 2.0 | 1.0 | ug/L |
| Vinyl chloride | SW-2A-1 | 9/14/2010 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-2 | 3/19/2010 | | 1.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-2A-2 | 9/14/2010 | | 1.8 | 1.0 | ug/L |
| 2-butanone (mek) | SW-2B | 10/29/2009 | | 237 | 5 | ug/L |
| Acetone | SW-2B | 10/29/2009 | | 124 | 10 | ug/L |
| Trichloroethylene | SW-2B | 6/15/2005 | | 1.61 | .17 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/20/2016 | | 1.3 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 11/09/2016 | | 1.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/09/2017 | | 2.6 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/14/2017 | | 4.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/12/2018 | | 5.6 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/10/2018 | | 1.7 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/26/2019 | | 1.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/24/2020 | | 1.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/02/2020 | | 3.7 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/08/2021 | | 1.6 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/14/2021 | | 2.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/28/2022 | | 1.4 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/13/2022 | | 2.3 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/23/2023 | | 1.6 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/05/2023 | | 4.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/06/2024 | | 1.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/18/2024 | | 3.3 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| 1,4-dichlorobenzene | TILE 1 | 3/10/2025 | | 1.5 | 1.0 | ug/L |
| Acetone | TILE 1 | 9/14/2017 | | 18.1 | 10.0 | ug/L |
| Benzene | TILE 1 | 11/09/2016 | | 1.6 | 1.0 | ug/L |
| Benzene | TILE 1 | 3/09/2017 | | 2.2 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/14/2017 | | 2.7 | 1.0 | ug/L |
| Benzene | TILE 1 | 3/12/2018 | | 3.7 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/02/2020 | | 1.9 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/14/2021 | | 1.1 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/13/2022 | | 2.1 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/05/2023 | | 3.0 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/18/2024 | | 1.8 | 1.0 | ug/L |
| Benzene | TILE 1 | 3/10/2025 | | 1.6 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/20/2016 | | 3.4 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 11/09/2016 | | 3.6 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/09/2017 | | 7.9 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/14/2017 | | 5.8 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/12/2018 | | 7.2 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/10/2018 | | 4.3 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/26/2019 | | 3.0 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 6/05/2019 | | 4.9 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/16/2019 | | 4.1 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/24/2020 | | 3.9 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/02/2020 | | 4.4 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/08/2021 | | 2.7 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/14/2021 | | 2.7 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/28/2022 | | 2.9 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/13/2022 | | 3.0 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/23/2023 | | 2.9 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/05/2023 | | 5.6 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/06/2024 | | 1.8 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/18/2024 | | 4.3 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/10/2025 | | 5.7 | 1.0 | ug/L |
| Chloroform | TILE 1 | 9/16/2019 | | 1.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 9/20/2016 | | 7.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 11/09/2016 | | 2.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 3/09/2017 | | 3.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 3/12/2018 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 3/26/2019 | | 3.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 6/05/2019 | | 5.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 9/16/2019 | | 3.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 3/24/2020 | | 3.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 9/02/2020 | | 1.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 9/14/2021 | | 1.0 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | TILE 1 | 3/12/2018 | | 1.1 | 1.0 | ug/L |
| Vinyl chloride | TILE 1 | 9/20/2016 | | 3.0 | 1.0 | ug/L |
| Vinyl chloride | TILE 1 | 11/09/2016 | | 3.6 | 1.0 | ug/L |
| Vinyl chloride | TILE 1 | 3/09/2017 | | 4.0 | 1.0 | ug/L |
| Vinyl chloride | TILE 1 | 9/02/2020 | | 1.2 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 2 | 3/26/2019 | | 1 | 1 | ug/L |
| Chlorobenzene | TILE 2 | 3/26/2019 | | 2.0 | 1.0 | ug/L |
| Chlorobenzene | TILE 2 | 6/05/2019 | | 1.2 | 1.0 | ug/L |
| Chlorobenzene | TILE 2 | 9/16/2019 | | 2.2 | 1.0 | ug/L |
| Chlorobenzene | TILE 2 | 3/24/2020 | | 1.0 | 1.0 | ug/L |
| Chlorobenzene | TILE 2 | 9/02/2020 | | 1.1 | 1.0 | ug/L |
| Chlorobenzene | TILE 2 | 9/18/2024 | | 1.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/10/2018 | | 6.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/26/2019 | | 19.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 6/05/2019 | | 18.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/16/2019 | | 5.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/24/2020 | | 10.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/02/2020 | | 1.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/08/2021 | | 8.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/14/2021 | | 3.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/28/2022 | | 2.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/13/2022 | | 4.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/23/2023 | | 6.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/05/2023 | | 2.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/06/2024 | | 6.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/18/2024 | | 2.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/10/2025 | | 1.1 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 3/26/2019 | | 6.2 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/16/2019 | | 8.3 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 3/24/2020 | | 3.5 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/02/2020 | | 4.7 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 3/08/2021 | | 2.4 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/14/2021 | | 3.3 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Vinyl chloride | TILE 2 | 3/28/2022 | | 1.3 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/13/2022 | | 1.6 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 3/23/2023 | | 1.9 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/05/2023 | | 1.6 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 3/06/2024 | | 1.0 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/18/2024 | | 2.7 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TMW-25 | 3/28/2014 | | 2.5 | 1.0 | ug/L |
| Benzene | TMW-25 | 9/20/2013 | | 1.8 | 1.0 | ug/L |
| Benzene | TMW-25 | 3/28/2014 | | 3.1 | 1.0 | ug/L |
| Chlorobenzene | TMW-25 | 9/20/2013 | | 5.2 | 1.0 | ug/L |
| Chlorobenzene | TMW-25 | 3/28/2014 | | 10.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TMW-25 | 9/20/2013 | | 1.8 | 1.0 | ug/L |
| Vinyl chloride | TMW-25 | 9/20/2013 | | 2.2 | 1.0 | ug/L |
| Vinyl chloride | TMW-25 | 3/28/2014 | | 2.8 | 1.0 | ug/L |
| 1,1-dichloroethane | TMW-26 | 9/20/2013 | | 4.9 | 1.0 | ug/L |
| 1,1-dichloroethane | TMW-26 | 3/28/2014 | | 4.2 | 1.0 | ug/L |
| Benzene | TMW-26 | 3/28/2014 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TMW-26 | 9/20/2013 | | 11.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TMW-26 | 3/28/2014 | | 9.1 | 1.0 | ug/L |
| Vinyl chloride | TMW-26 | 9/20/2013 | | 2.8 | 1.0 | ug/L |
| Vinyl chloride | TMW-26 | 3/28/2014 | | 1.5 | 1.0 | ug/L |

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

**Attachment H**

Assessment Statistics for Verified VOCs

## Table 1

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

| Constituent | Units | Well | N | Mean | SD | Factor | 95% LCL | 95% UCL | Standard | Trend | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-dichloroethane | ug/L | MW-14D | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | | |
| 1,2-dichloropropane | ug/L | MW-14D | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | MW-14D | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| Benzene | ug/L | MW-14D | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-14D | 4 | 4.750 | 3.500 | 1.176 | 0.633 | 8.867 | 6.000 | | |
| Chlorobenzene | ug/L | MW-14D | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-14D | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 70.000 | | |
| Toluene | ug/L | MW-14D | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 1000.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-14D | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | MW-14D | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinyl chloride | ug/L | MW-14D | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |
| 1,1-dichloroethane | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | | |
| 1,2-dichloropropane | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| Benzene | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-17R | 4 | 6.250 | 4.500 | 1.176 | 0.957 | 11.543 | 6.000 | | |
| Chlorobenzene | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-17R | 4 | 1.725 | 1.391 | 1.176 | 0.088 | 3.362 | 70.000 | | |
| Toluene | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 1000.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinyl chloride | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |
| 1,1-dichloroethane | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | | |
| 1,2-dichloropropane | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| Benzene | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-28 | 2 | | | | | | | | * |
| Chlorobenzene | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-28 | 4 | 9.275 | 3.164 | 1.176 | 5.554 | 12.996 | 70.000 | | |
| Toluene | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 1000.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinyl chloride | ug/L | MW-28 | 4 | 0.700 | 0.400 | 1.176 | 0.229 | 1.171 | 2.000 | | |
| 1,1-dichloroethane | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | | |
| 1,2-dichloropropane | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| Benzene | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-32 | 0 | | | | | | | | * |
| Chlorobenzene | ug/L | MW-32 | 4 | 1.650 | 0.896 | 1.176 | 0.596 | 2.704 | 100.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-32 | 4 | 0.625 | 0.250 | 1.176 | 0.331 | 0.919 | 70.000 | | |
| Toluene | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 1000.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinyl chloride | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |
| 1,1-dichloroethane | ug/L | MW-44 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | | |
| 1,2-dichloropropane | ug/L | MW-44 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | MW-44 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| Benzene | ug/L | MW-44 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-44 | 3 | | | | | | | | * |
| Chlorobenzene | ug/L | MW-44 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Cis-1,2-dichloroethylene | ug/L | MW-44 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 70.000 | | |
| Toluene | ug/L | MW-44 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 1000.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-44 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | MW-44 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinyl chloride | ug/L | MW-44 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |
| 1,1-dichloroethane | ug/L | MW-45D | 3 | | | | | | | | * |
| 1,2-dichloropropane | ug/L | MW-45D | 3 | | | | | | | | * |
| 1,4-dichlorobenzene | ug/L | MW-45D | 3 | | | | | | | | * |
| Benzene | ug/L | MW-45D | 3 | | | | | | | | * |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-45D | 0 | | | | | | | | * |
| Chlorobenzene | ug/L | MW-45D | 3 | | | | | | | | * |
| Cis-1,2-dichloroethylene | ug/L | MW-45D | 3 | | | | | | | | * |
| Toluene | ug/L | MW-45D | 3 | | | | | | | | * |
| Trans-1,2-dichloroethylene | ug/L | MW-45D | 3 | | | | | | | | * |
| Trichloroethylene | ug/L | MW-45D | 3 | | | | | | | | * |
| Vinyl chloride | ug/L | MW-45D | 3 | | | | | | | | * |
| 1,1-dichloroethane | ug/L | MW-9AR | 4 | 0.950 | 0.526 | 1.176 | 0.331 | 1.569 | 140.000 | dec | |
| 1,2-dichloropropane | ug/L | MW-9AR | 4 | 0.650 | 0.300 | 1.176 | 0.297 | 1.003 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | MW-9AR | 4 | 0.625 | 0.250 | 1.176 | 0.331 | 0.919 | 75.000 | | |
| Benzene | ug/L | MW-9AR | 4 | 1.600 | 0.821 | 1.176 | 0.635 | 2.565 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | MW-9AR | 0 | | | | | | | | * |
| Chlorobenzene | ug/L | MW-9AR | 4 | 4.100 | 2.502 | 1.176 | 1.157 | 7.043 | 100.000 | | |

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

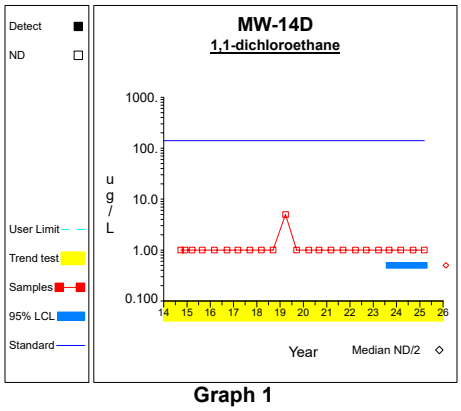
## Table 1

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

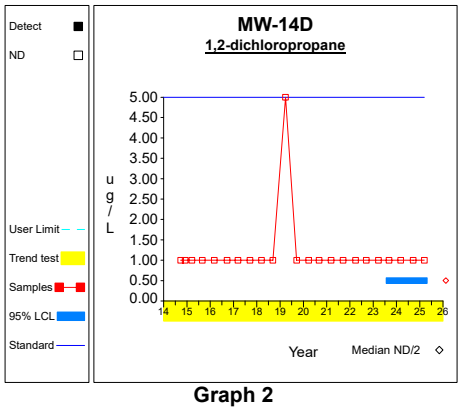
| Constituent | Units | Well | N | Mean | SD | Factor | 95% LCL | 95% UCL | Standard | Trend | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cis-1,2-dichloroethylene | ug/L | MW-9AR | 4 | 57.425 | 11.154 | 1.176 | 44.304 | 70.546 | 70.000 | | |
| Toluene | ug/L | MW-9AR | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 1000.000 | | |
| Trans-1,2-dichloroethylene | ug/L | MW-9AR | 4 | 4.350 | 0.858 | 1.176 | 3.340 | 5.360 | 100.000 | | |
| Trichloroethylene | ug/L | MW-9AR | 4 | 3.200 | 2.285 | 1.176 | 0.512 | 5.888 | 5.000 | | |
| Vinyl chloride | ug/L | MW-9AR | 4 | 26.650 | 18.837 | 1.176 | 4.493 | 48.807 | 2.000 | | ** |
| 1,1-dichloroethane | ug/L | TILE 1 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | | |
| 1,2-dichloropropane | ug/L | TILE 1 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | TILE 1 | 4 | 2.775 | 1.394 | 1.176 | 1.136 | 4.414 | 75.000 | | |
| Benzene | ug/L | TILE 1 | 4 | 1.725 | 1.024 | 1.176 | 0.520 | 2.930 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | TILE 1 | 2 | | | | | | | | * |
| Chlorobenzene | ug/L | TILE 1 | 4 | 4.350 | 1.816 | 1.176 | 2.214 | 6.486 | 100.000 | | |
| Cis-1,2-dichloroethylene | ug/L | TILE 1 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 70.000 | | |
| Toluene | ug/L | TILE 1 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 1000.000 | | |
| Trans-1,2-dichloroethylene | ug/L | TILE 1 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | TILE 1 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinyl chloride | ug/L | TILE 1 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | | |
| 1,1-dichloroethane | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | | |
| 1,2-dichloropropane | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| 1,4-dichlorobenzene | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | | |
| Benzene | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Bis(2-ethylhexyl) phthalate | ug/L | TILE 2 | 2 | | | | | | | | * |
| Chlorobenzene | ug/L | TILE 2 | 4 | 0.650 | 0.300 | 1.176 | 0.297 | 1.003 | 100.000 | | |
| Cis-1,2-dichloroethylene | ug/L | TILE 2 | 4 | 3.100 | 2.587 | 1.176 | 0.057 | 6.143 | 70.000 | | |
| Toluene | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 1000.000 | | |
| Trans-1,2-dichloroethylene | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | | |
| Trichloroethylene | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | | |
| Vinyl chloride | ug/L | TILE 2 | 4 | 1.450 | 0.947 | 1.176 | 0.336 | 2.564 | 2.000 | | |

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

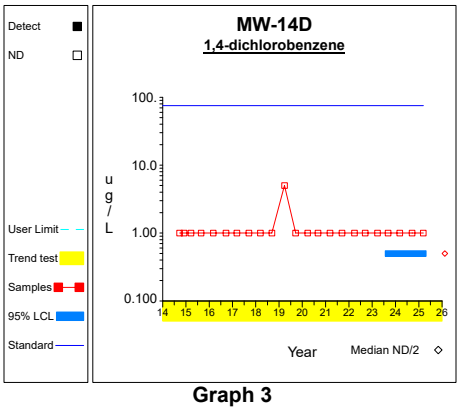
# Confidence Limits (Assessment)



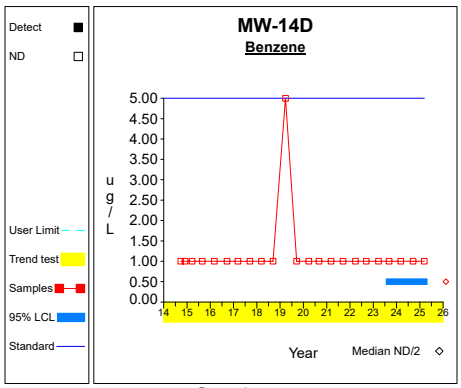

Graph 1



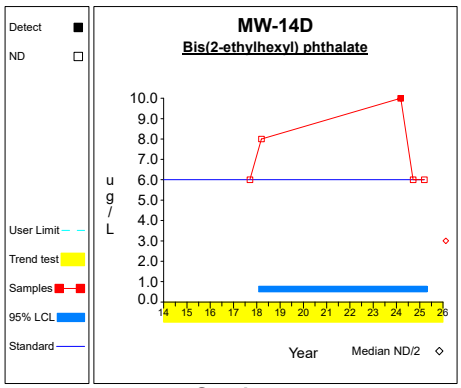

Graph 2



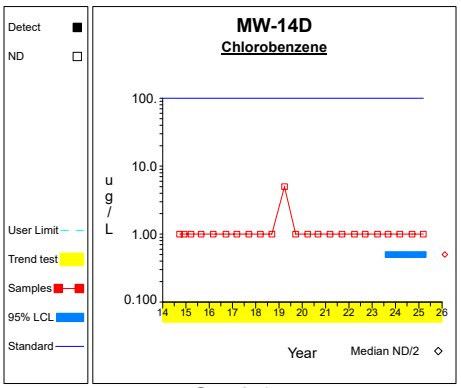

Graph 3



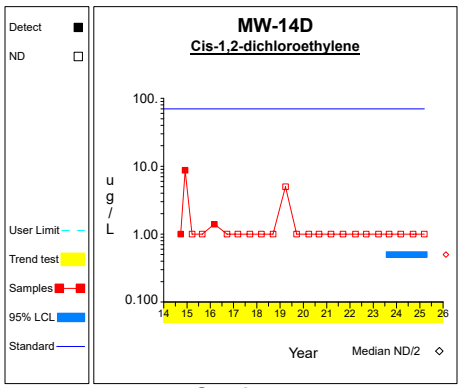

Graph 4



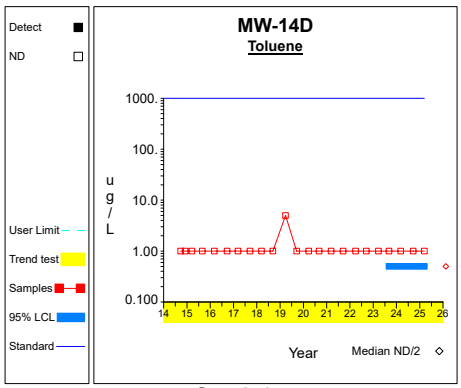

Graph 5



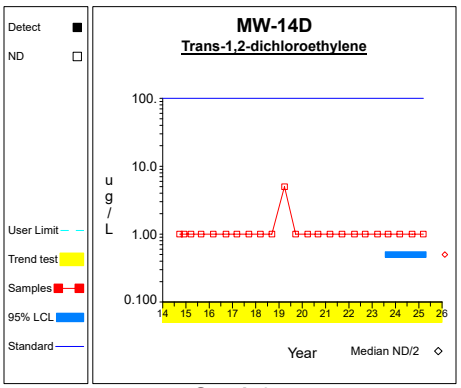

Graph 6



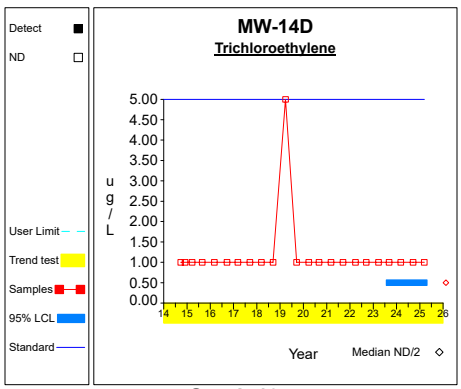

Graph 7



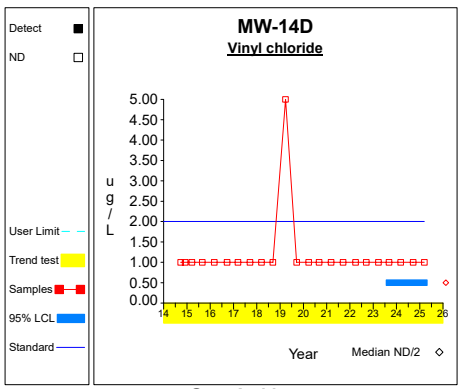

Graph 8




Graph 9



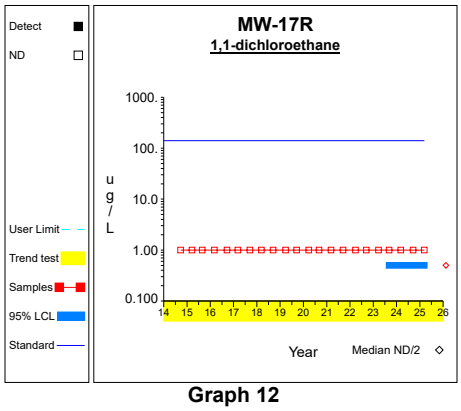

Graph 10



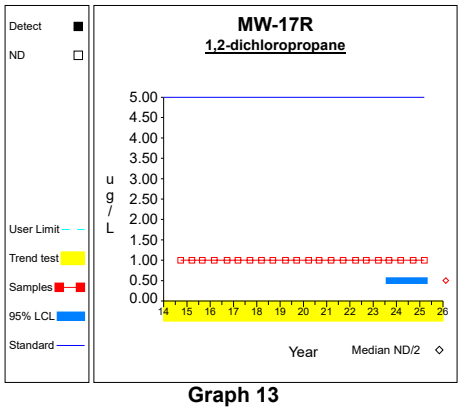

Graph 11

Prepared by: Otter Creek Environmental

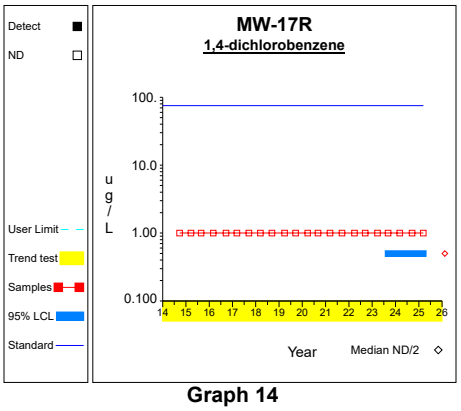
# Confidence Limits (Assessment)



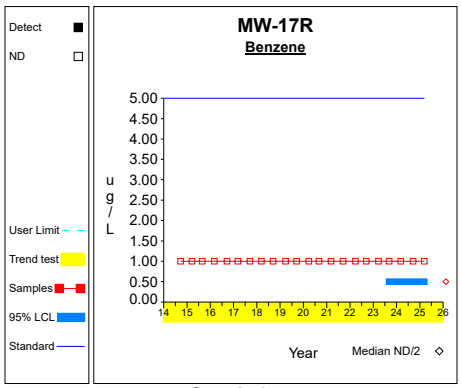

Graph 12



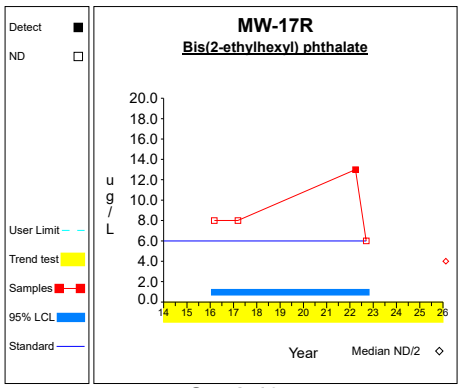

Graph 13



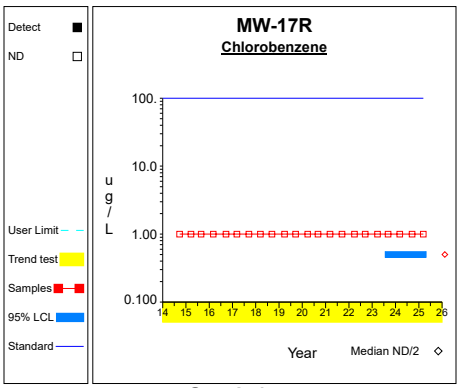

Graph 14



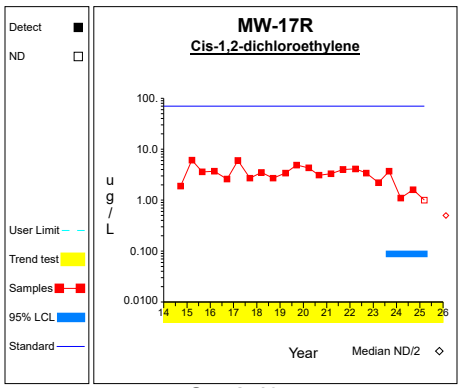

Graph 15



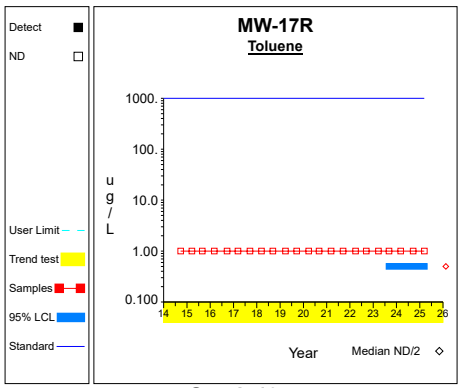

Graph 16



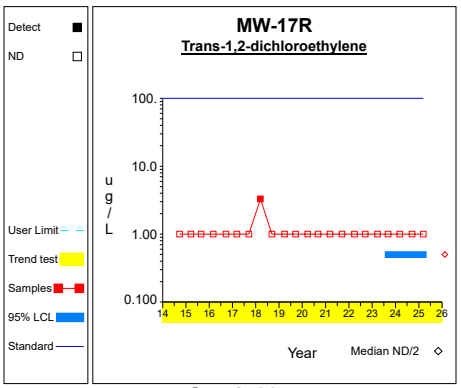

Graph 17



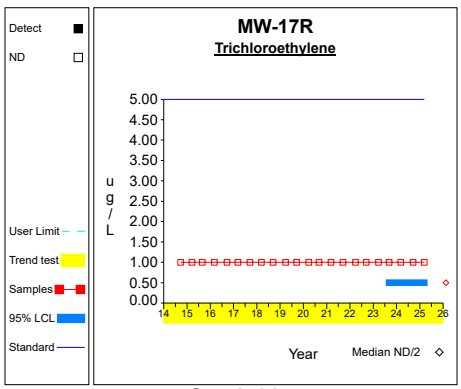

Graph 18



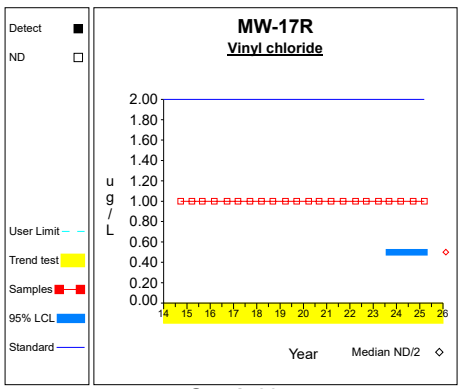

Graph 19




Graph 20



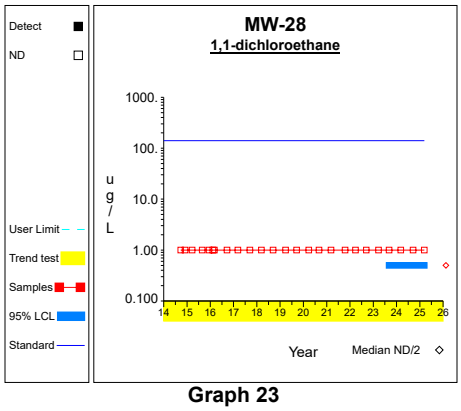

Graph 21



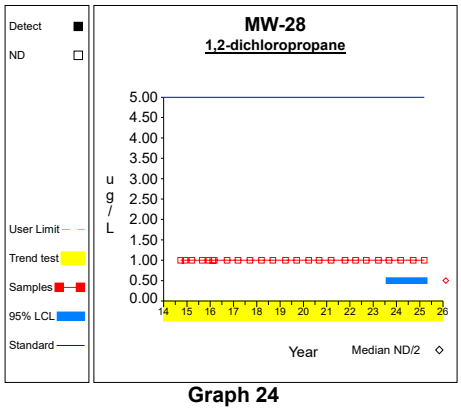

Graph 22

Prepared by: Otter Creek Environmental

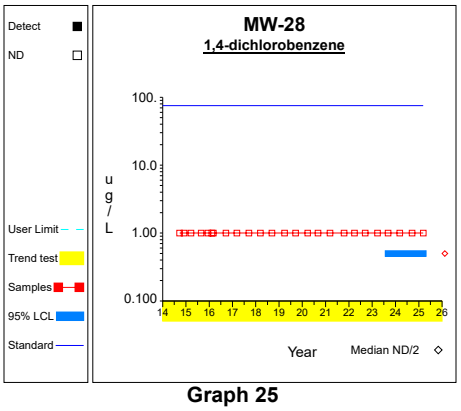
# Confidence Limits (Assessment)



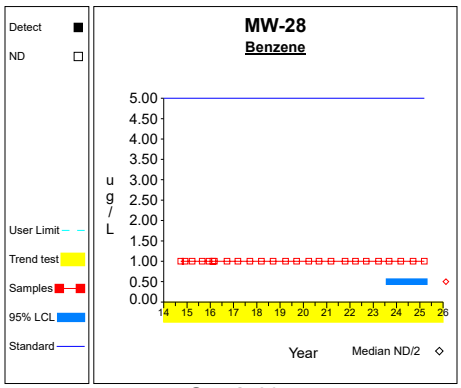

Graph 23



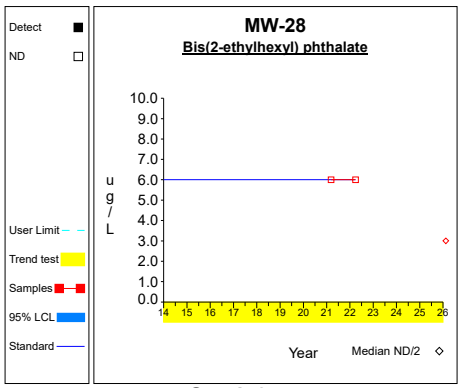

Graph 24



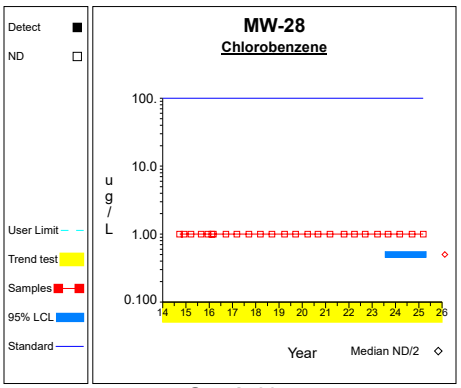

Graph 25



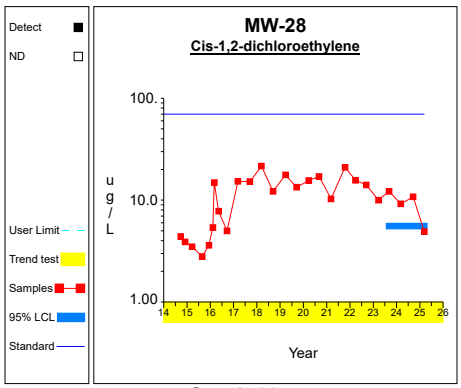

Graph 26



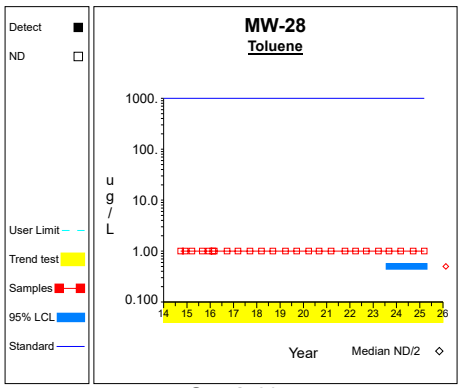

Graph 27



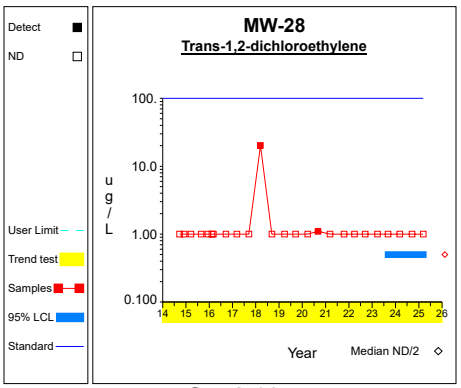

Graph 28



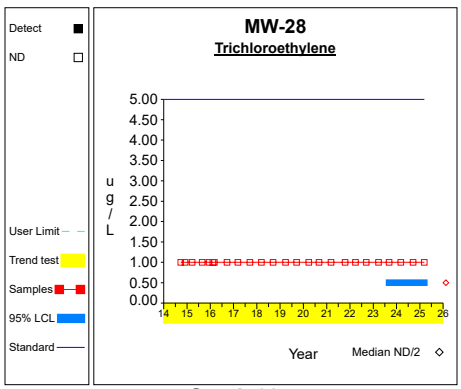

Graph 29



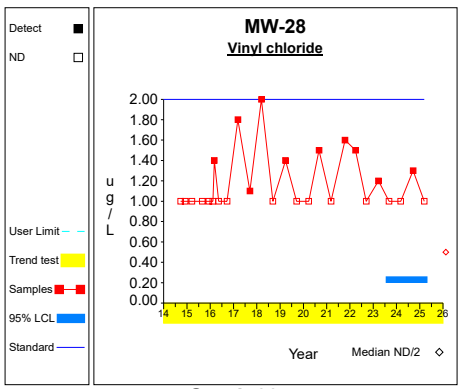

Graph 30




Graph 31




Graph 32




Graph 33

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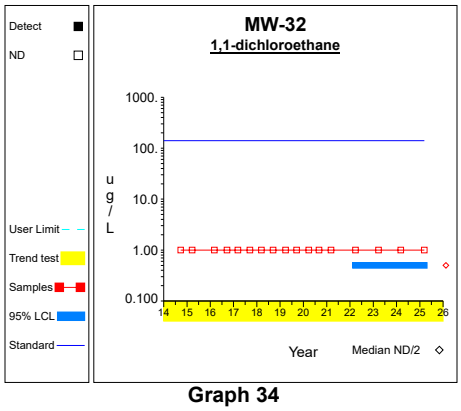
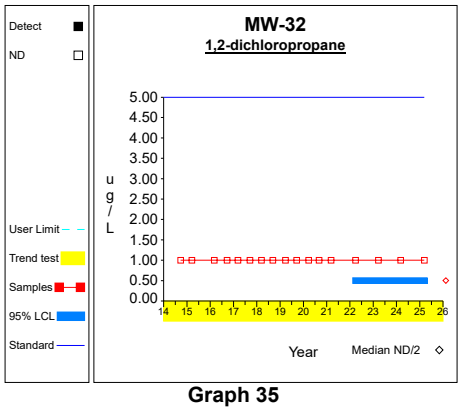
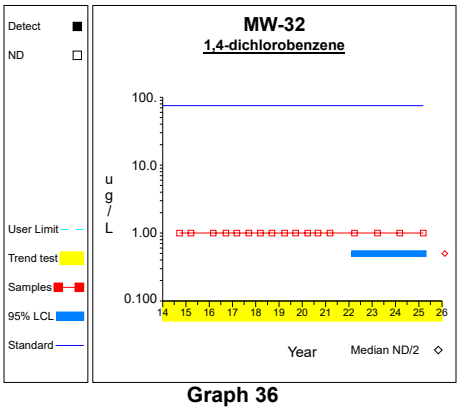
# Confidence Limits (Assessment)



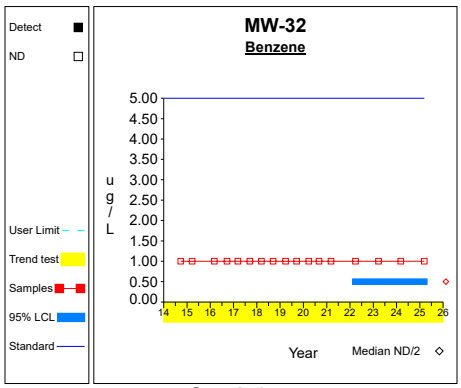

Graph 34



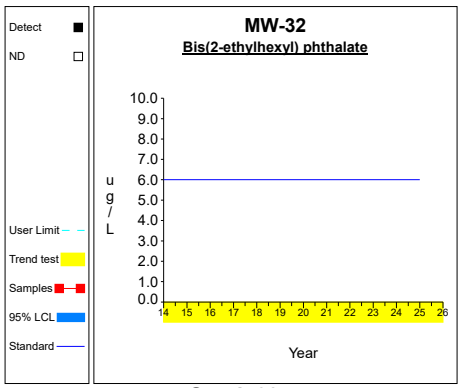

Graph 35



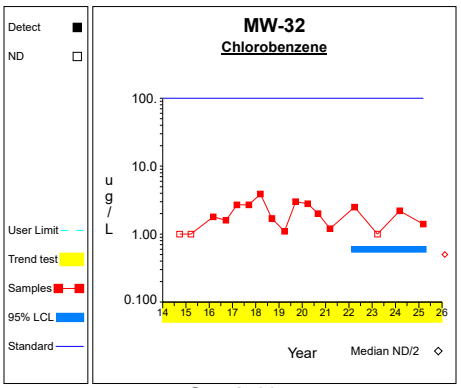

Graph 36



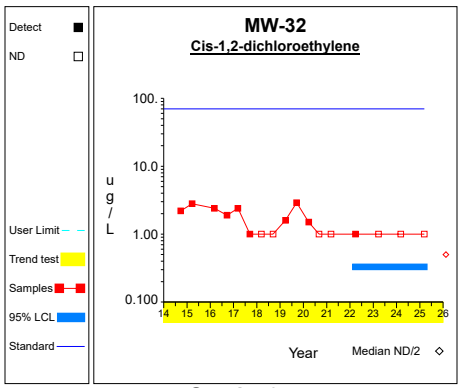

Graph 37



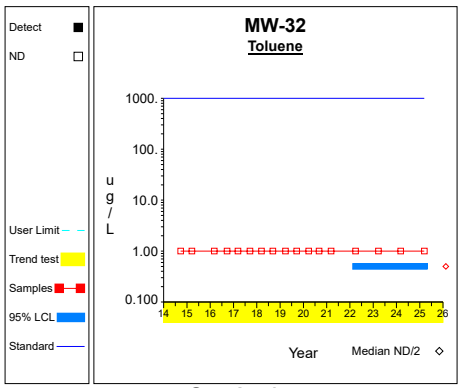

Graph 38



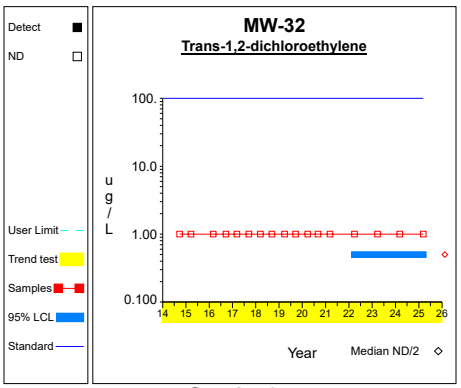

Graph 39



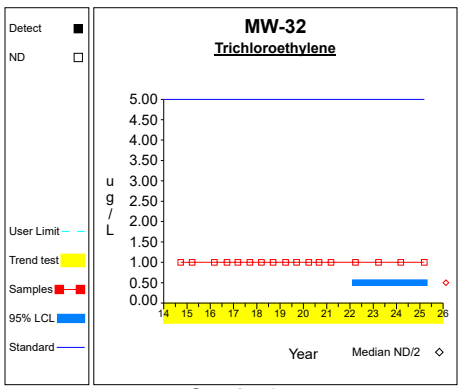

Graph 40



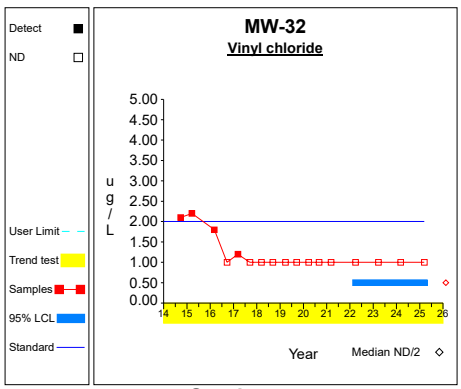

Graph 41




Graph 42

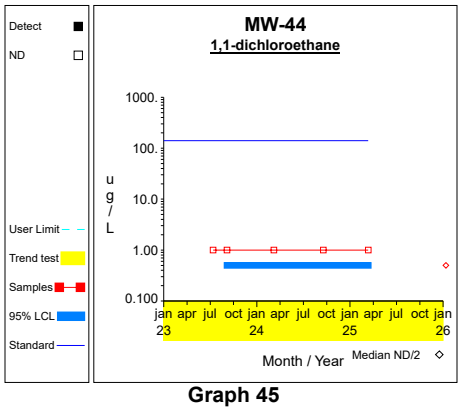



Graph 43

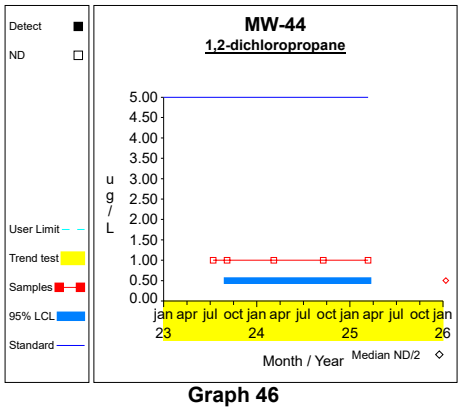



Graph 44

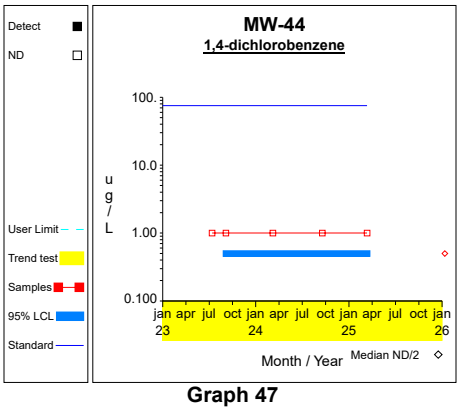
# Confidence Limits (Assessment)



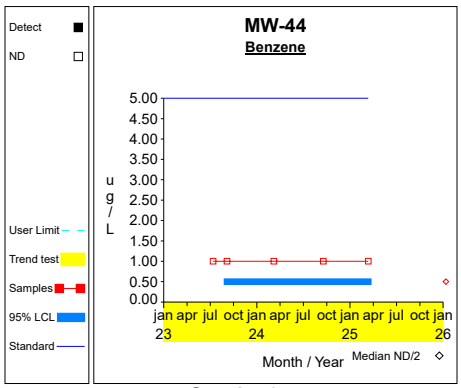

Graph 45



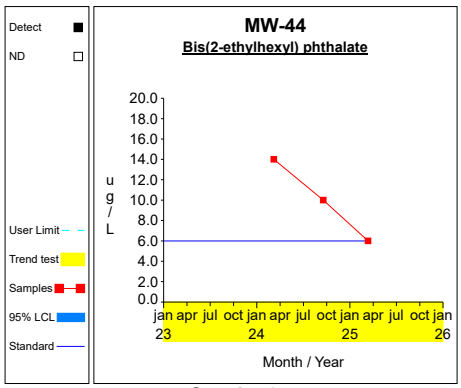

Graph 46



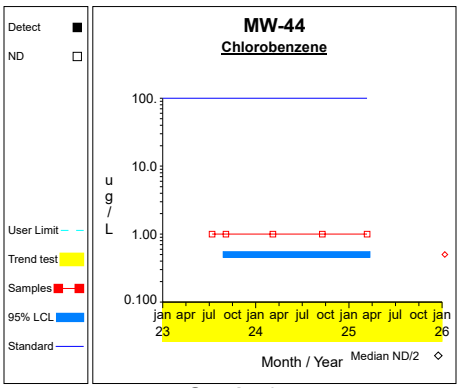

Graph 47



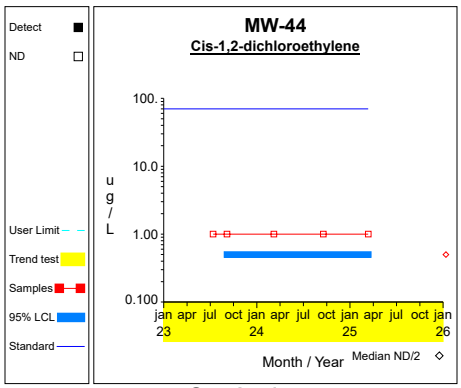

Graph 48



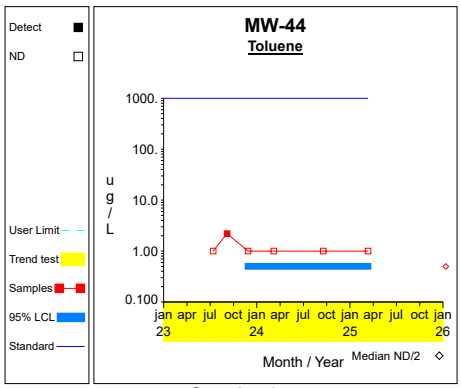

Graph 49



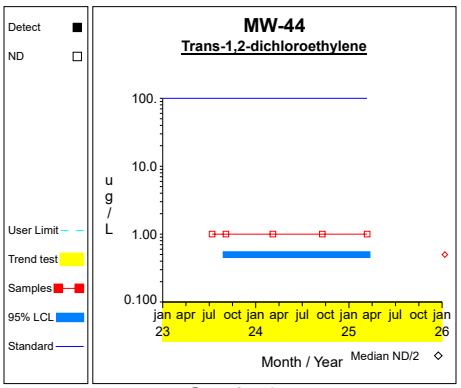

Graph 50



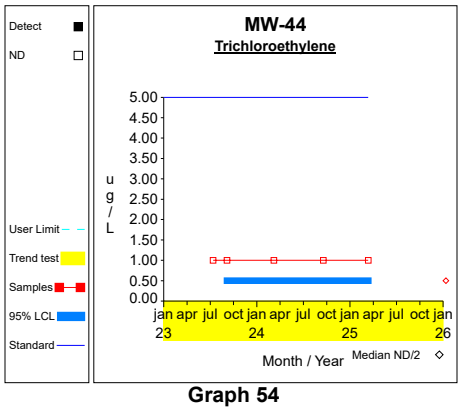

Graph 51



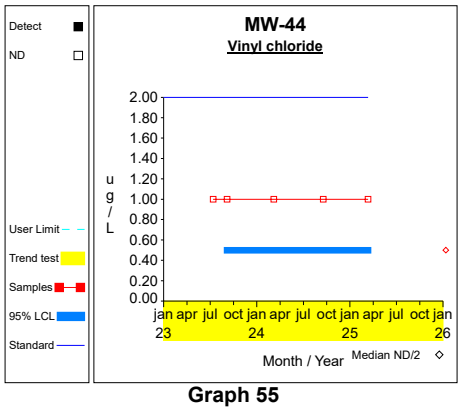

Graph 52




Graph 53

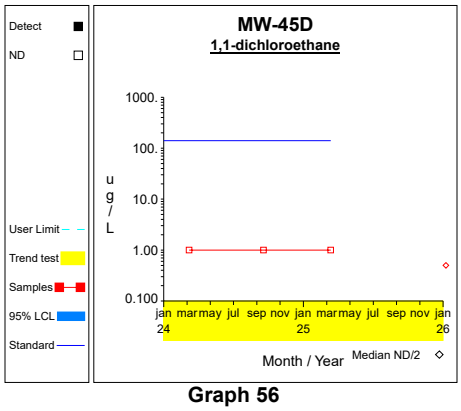



Graph 54

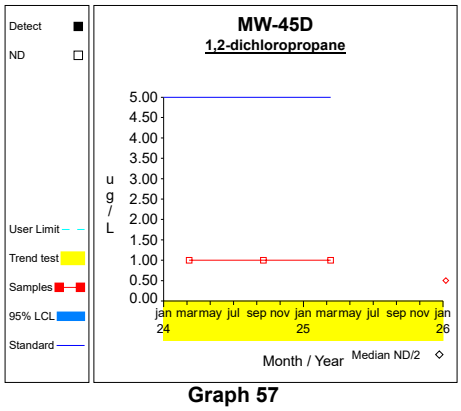



Graph 55

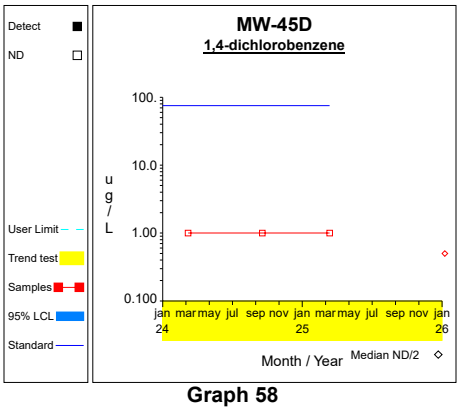
# Confidence Limits (Assessment)



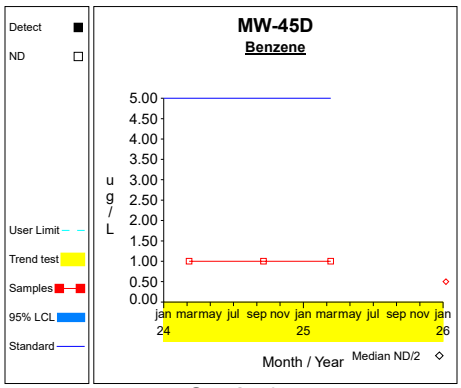

Graph 56



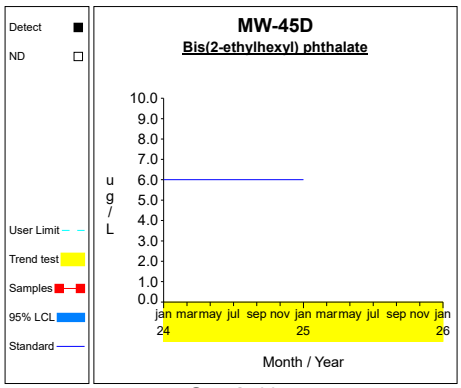

Graph 57



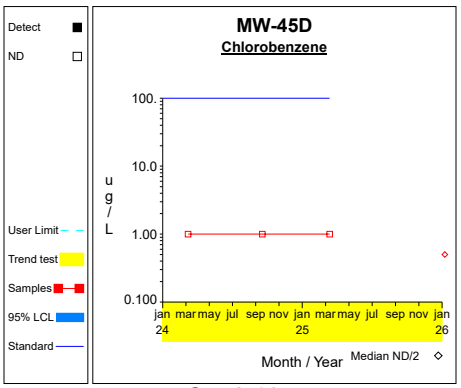

Graph 58



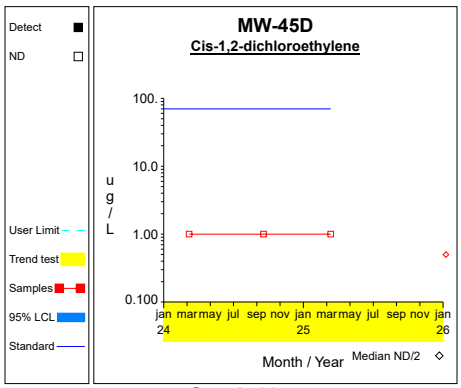

Graph 59



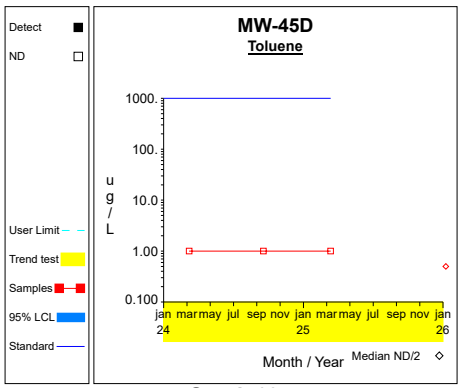

Graph 60



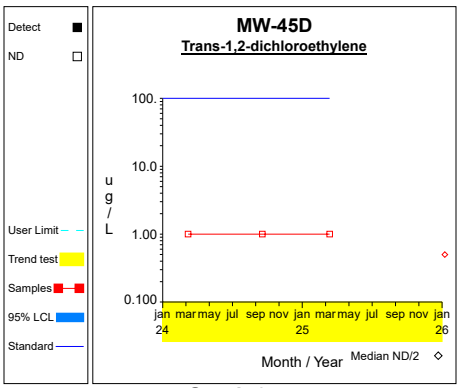

Graph 61



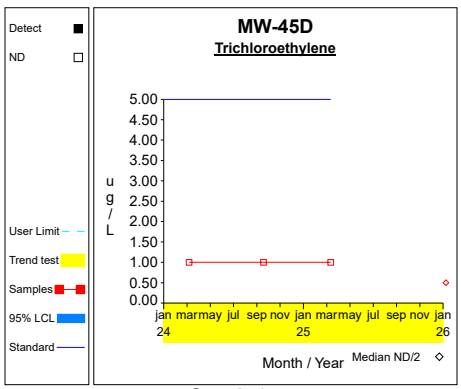

Graph 62



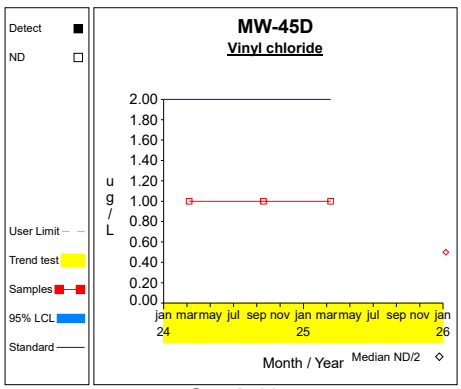

Graph 63




Graph 64

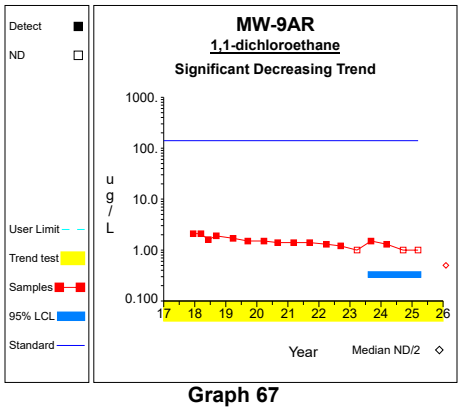



Graph 65

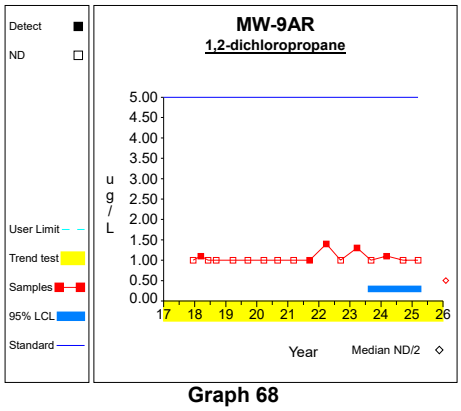



Graph 66

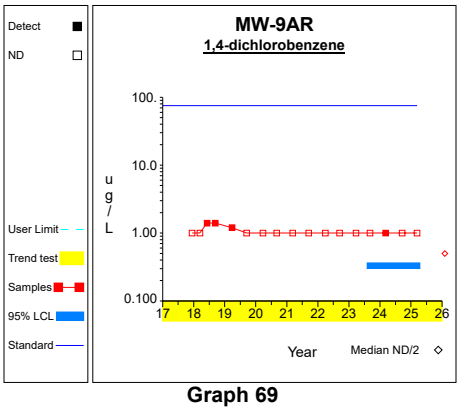
# Confidence Limits (Assessment)



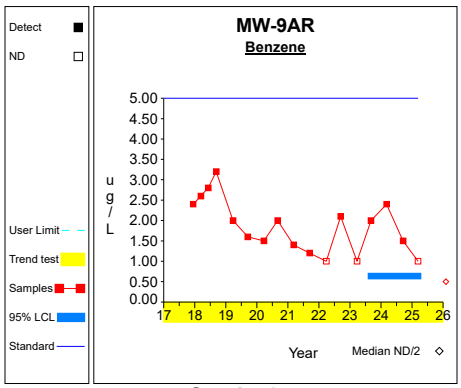

Graph 67



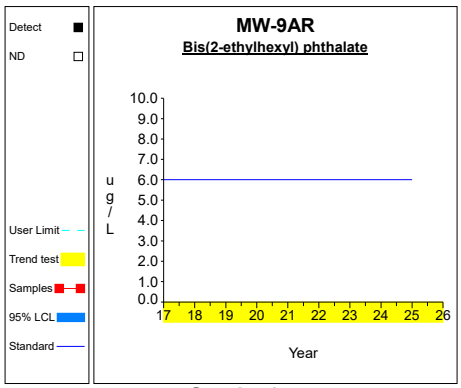

Graph 68



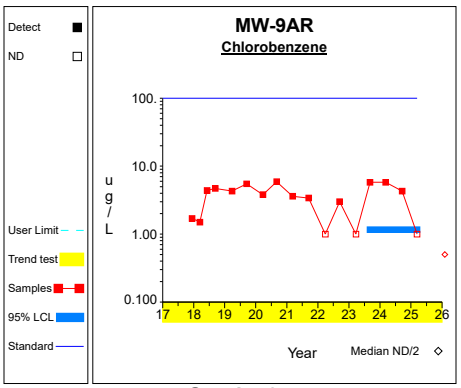

Graph 69



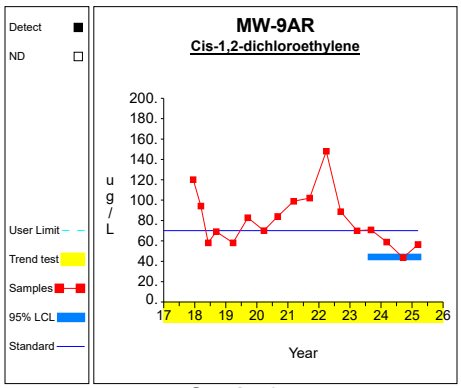

Graph 70



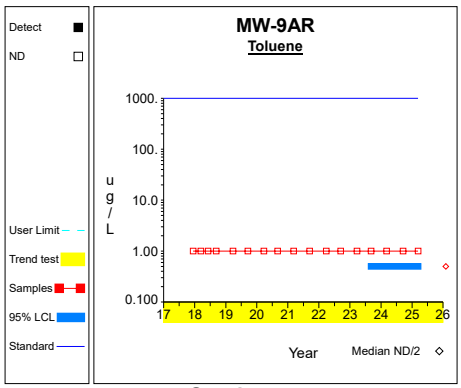

Graph 71



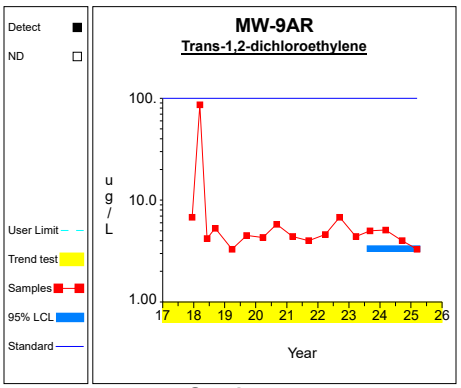

Graph 72



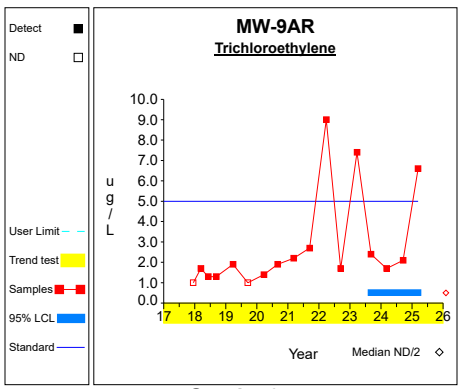

Graph 73



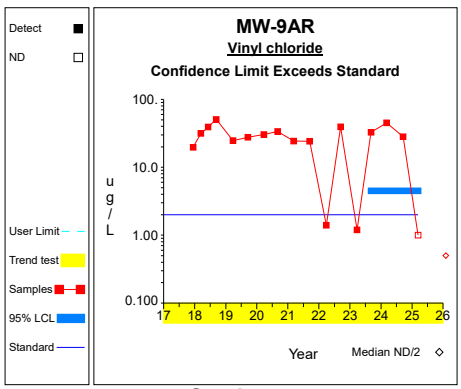

Graph 74




Graph 75



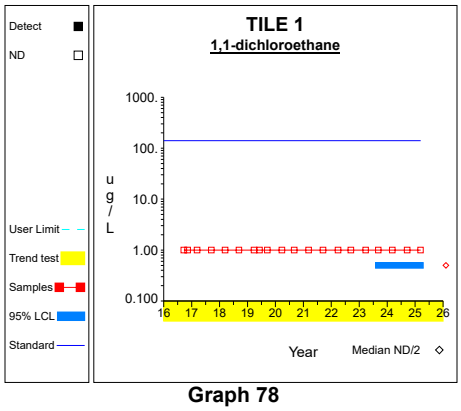

Graph 76



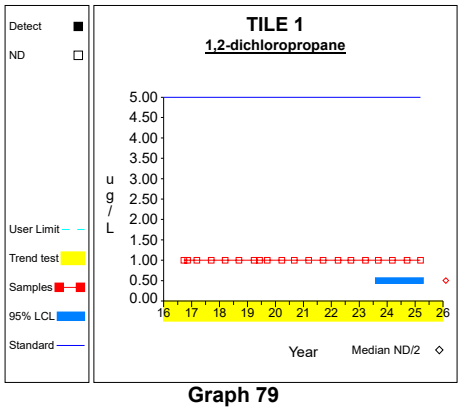

Graph 77

Prepared by: Otter Creek Environmental

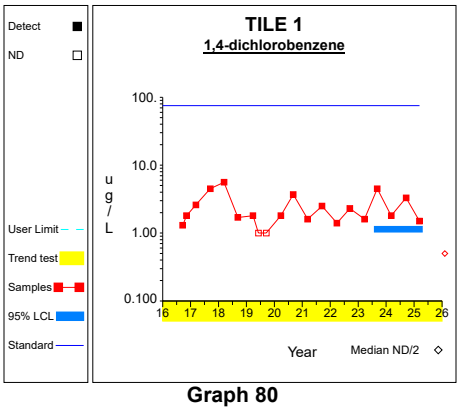
# Confidence Limits (Assessment)



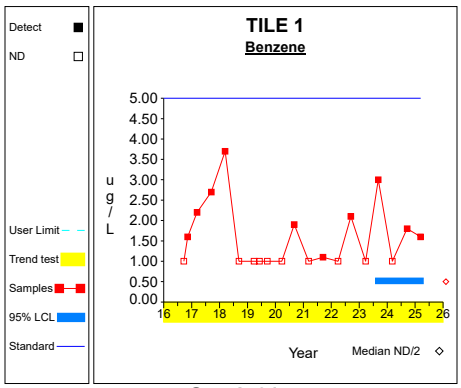

Graph 78



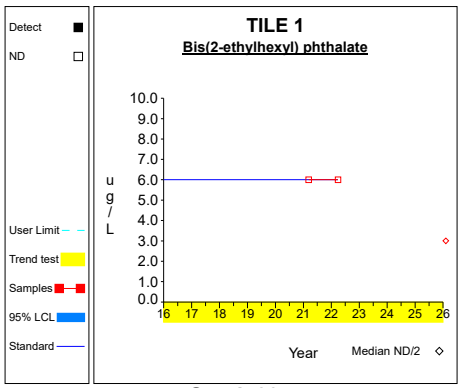

Graph 79




Graph 80




Graph 81

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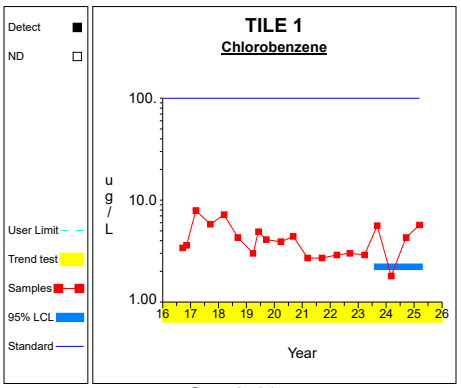


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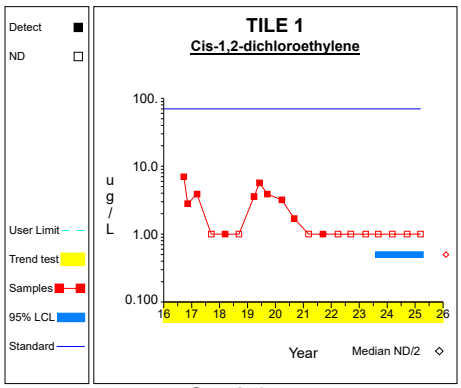


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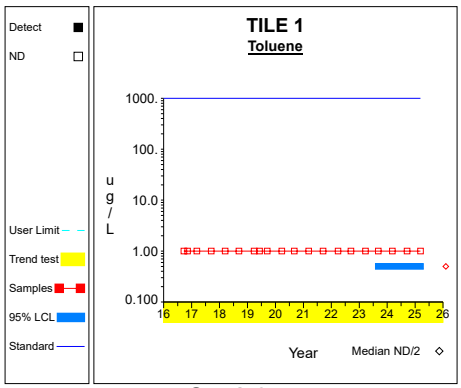


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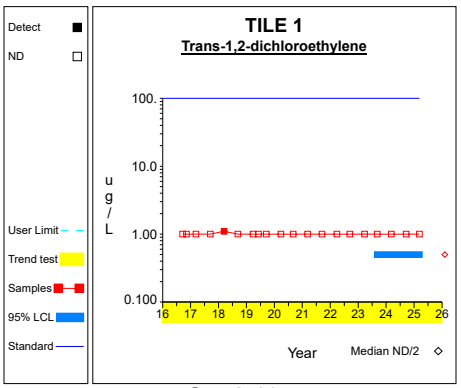


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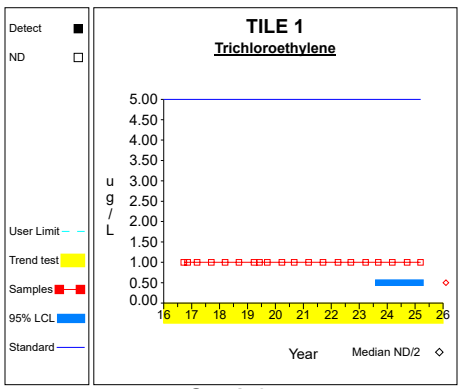
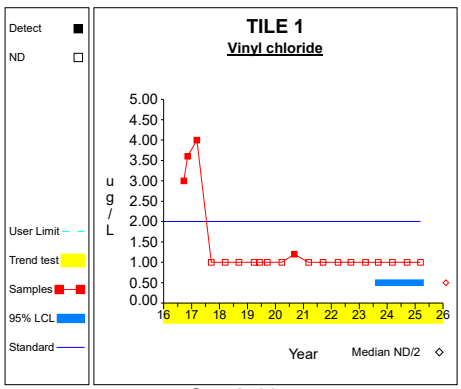


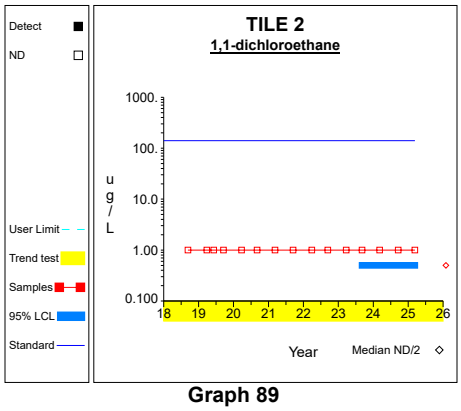

Graph 87



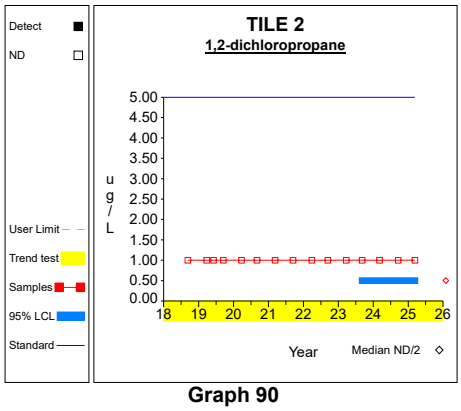

Graph 88

Prepared by: Otter Creek Environmental

# Confidence Limits (Assessment)




Graph 89

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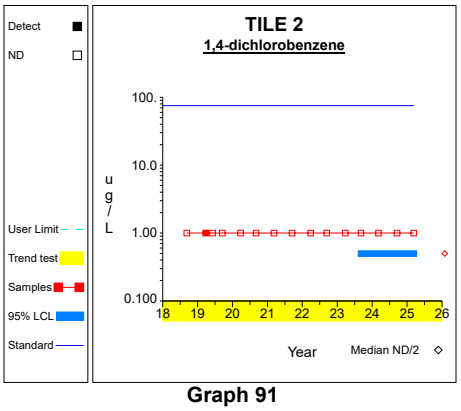


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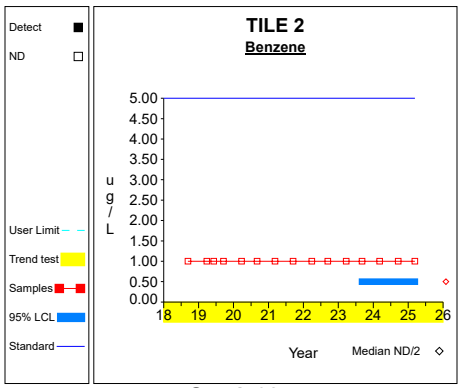


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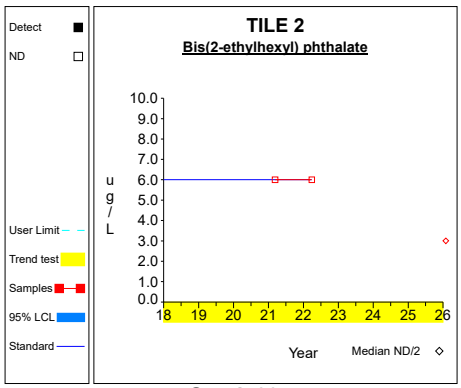


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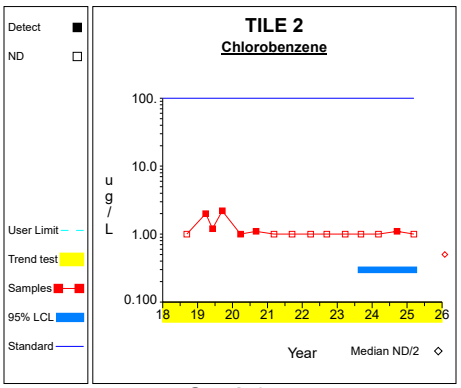
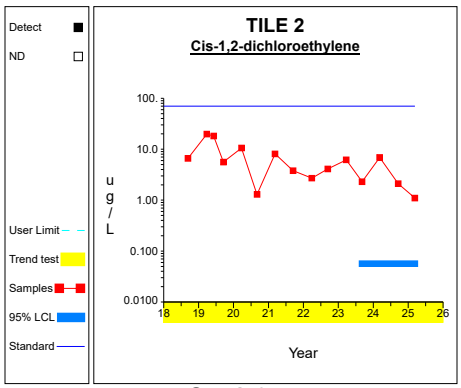
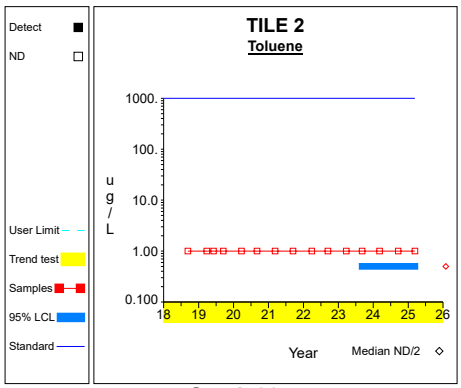



Graph 94




Graph 95

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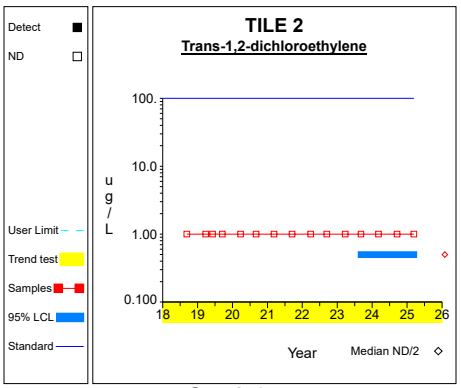


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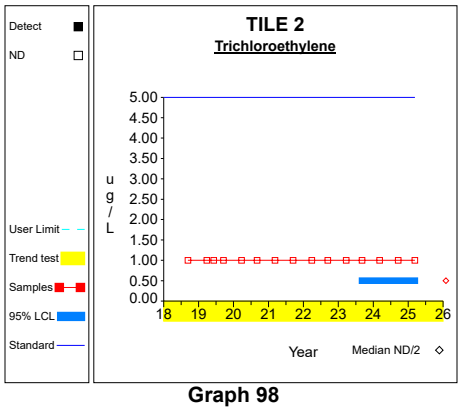


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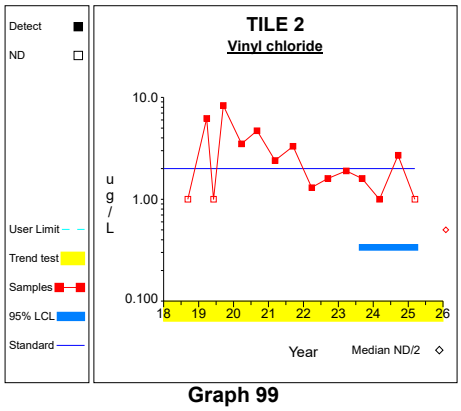


Graph 99

Appendix C.2 – Fall - Otter Creek Statistical Report

# GROUND WATER STATISTICS

# FOR THE

# SOUTH CENTRAL IOWA LANDFILL

**Second Semi-Annual Monitoring Event in 2025**

Prepared for:
**South Central Iowa Landfill Agency**
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Winterset, Madison County, IA

Prepared by:
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Elgin, IL
(847) 464-1355

**September 2025**

## INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the second semi-annual monitoring event in 2025 at the South Central Iowa Landfill in Winterset, 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 statistical method was applied to the current data. The statistical plan conforms with IAC 567, Chapter 113.10, USEPA Guidance document ("*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance"*, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

### Ground Water Monitoring Program

The shallow groundwater monitoring network for the South Central Iowa Landfill includes sample points MW-4A, MW-18, GU-1, GU-2, GU-A, GU-B, MW-1R, MW-6A, MW-21, Tile 1, Tile 2, MW-38A, MW-44, MW-45A, and MW-34A. The deep groundwater monitoring network for the South Central Iowa Landfill includes sample points MW-11C, MW-39D, MW-41D, MW-42D, MW-45D, MW-14D, MW-17R, and MW-28. Supplemental wells monitored include MW-8B, MW-9AR, and MW-15R. Additionally, surface water is monitored from a stream on the western edge of the property at sample points SW-1, SW-101, SW-102, SW-103, SW-104, SW-105, SW-106, and SW-2B. Each of the groundwater monitoring wells and surface waters are to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

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

*Organic Compounds:*

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

*Inorganic constituents:*

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

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

## STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The prediction limit method was applied to the South Central Iowa 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.

Since there is limited background, Poisson prediction limits were previously computed for those rarely detected parameters. Poisson prediction limits are appropriate for small data sets. Once twelve rounds of data are available, it was recommended that nonparametric prediction limits be used for parameters detected at a frequency less than 25%. Since the Unified Guidance recommends nonparametric limits over Poisson limits, nonparametric limits were used for the current comparisons.

### Results of the Interwell Statistics (Shallow Ground Water Samples)

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-4A, MW-34A, and MW-18 during the period from September 2014 through the current data. A summary of the background data from monitoring wells MW-4A, MW-34A, and MW-18, 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 GU-2, GU-A, GU-B, MW-21, MW-44, MW-45A, MW-6A, Tile 1, and Tile 2, compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the table below.

**Trace Metal Prediction Limit Exceedances during the Second Semi-Annual Monitoring Event in 2025**

| Well | Trace Metal Detected | Result, µg/L | Prediction Limit, µg/L | Prediction Limit Type | Verified/ Awaiting verification |
|---|---|---|---|---|---|
| GU-A | Zinc | 362 | 73.5000 | Nonparametric | Verified |
| MW-44 | Barium | 848 | 709.8041 | Normal | Verified |
| Tile 1 | Barium | 1990 | 709.8041 | Normal | Verified |

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

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 2% and the test becomes sensitive to 4 standard deviation unit increases over background.

The verified trace metal 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 Tile 1 (2.100 µg/L) equals the GWPS of 2.1 µg/L. The remainder of the calculated 95% LCLs are below GWPS.

**Results of the Interwell Statistics (Bedrock Ground Water Samples)**

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-11C, MW-39D, MW-41D, and MW-42D during the period from September 2014 through the current data. A summary of the background data from monitoring wells MW-11C, MW-39D, MW-41D, and MW-42D, used to determine the site prediction limits, is listed in Attachment D, 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-14D, MW-17R, MW-28, and MW-45D compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the table below.

**Trace Metal Prediction Limit Exceedances during the Second Semi-Annual Monitoring Event in 2025**

| Well | Trace Metal Detected | Result, µg/L | Prediction Limit, µg/L | Prediction Limit Type | Verified/ Awaiting verification |
|---|---|---|---|---|---|
| MW-17R | Barium | 459 | 105.9278 | Normal | Verified |
| | Nickel | 22.5 | 11.8000 | Nonparametric | Verified |
| MW-28 | Barium | 688 | 105.9278 | Normal | Verified |
| | Cobalt | 17.2 | 5.4000 | Nonparametric | Verified |

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached. 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 trace metal exceedances were evaluated against the GWPS (Attachment E). The 95% LCL for cobalt MW-28 (11.309 µg/L) exceeds the GWPS of 2.1 µg/L. The remainder of the calculated 95% LCLs are below GWPS.

**Supplemental Downgradient Attenuation Zone**

Time series plots of the Appendix I trace metals at wells MW-8B, MW-9AR, and MW-15R are provided in Attachment F.

**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 South Central Iowa Landfill during the second semi-annual monitoring event in 2025 are summarized below. Historical VOC detections are summarized in Attachment G.

**VOCs Detected at SCILA during the Second Semi-Annual Monitoring Event in 2025**

| Well | VOC Detected | Result µg/L | Reporting Limit µg/L | Verified/Awaiting Verification | Ground Water Standard, µg/L |
|---|---|---|---|---|---|
| MW-15R | Carbon disulfide | 1.0 | 1 | Awaiting Verification | 700[b] |
| MW-28 | *cis*-1,2-Dichloroethene | 3.4 | 1 | Verified | 70[a] |
| MW-32 | Chlorobenzene | 1.1 | 1 | Verified | 100[a] |
| MW-44 | Carbon disulfide | 1.0 | 1 | Awaiting Verification | 700[b] |
| MW-8B | Carbon disulfide | 1.3 | 1 | Awaiting Verification | 700[b] |
| MW-9AR | Carbon disulfide | 1.1 | 1 | Awaiting Verification | 700[b] |
| | Chlorobenzene | 1.8 | 1 | Awaiting Verification | 100[a] |
| | *cis*-1,2-Dichloroethene | 34.5 | 1 | Verified | 70[a] |
| | *trans*-1,2-Dichloroethene | 1.9 | 1 | Verified | 100[a] |
| | Trichloroethene | 2.5 | 1 | Verified | 5[a] |
| | Vinyl chloride | 8.2 | 1 | Awaiting Verification | 2[a] |
| Tile 1 | 1,4-Dichlorobenzene | 3.9 | 1 | Verified | 75[a] |
| | Benzene | 2.5 | 1 | Verified | 5[a] |
| | Chlorobenzene | 7.0 | 1 | Verified | 100[a] |
| | *cis*-1,2-Dichloroethene | 1.8 | 1 | Awaiting Verification | 70[a] |
| | Vinyl chloride | 1.4 | 1 | Awaiting Verification | 2[a] |
| Tile 2 | Chlorobenzene | 2.2 | 1 | Awaiting Verification | 100[a] |
| | *cis*-1,2-Dichloroethene | 4.1 | 1 | Verified | 70[a] |
| | Vinyl chloride | 4.2 | 1 | Awaiting Verification | 2[a] |

a – USEPA MCL,
b – Iowa Statewide Standard

Carbon disulfide detections at MW-15R, MW-44, MW-8B, and MW-9AR are likely artifacts of the sampling or analysis. Methane was monitored for and detected in the ground water at MW-15R (7590 µg/L), MW-8B (166 µg/L), and MW-9AR (250 µg/L).

The past and current 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 H). 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 calculated 95% LCLs are below GWPS.

Surface water sample points SW-102 and SW-2B were sampled and analyzed for VOCs. No VOCs were detected above the site-specific reporting limits.

**Attachment A**

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

## Table 1

## Analytical Data Summary for 9/4/2025

| Constituents | Units | GU-2 | GU-A | GU-B | LW26 | MW-11C | MW-14D | MW-15R | MW-17R | MW-18 | MW-21 | MW-28 | MW-32 | MW-34A | MW-39D | MW-41D | MW-42D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 1,1,1-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 1,1,2,2-tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 1,1,2-trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 1,1-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 1,1-dichloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 1,2,3-trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 1,2-dibromo-3-chloropropane | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | | |
| 1,2-dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 1,2-dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 1,2-dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 1,2-dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 1,4-dichlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | 3.4 | <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 | | | |
| 2-hexanone (mbk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | | |
| 4-methyl-2-pentanone (mibk) | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | | |
| Acetone | ug/L | <10.0 | <10.0 | <10.0 | 13.8 | <10.0 | <10.0 | <10.0 | <10.0 | | <10.0 | <10.0 | <10.0 | <10.0 | | | |
| Acrylonitrile | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | | |
| Antimony, total | ug/L | 1.7 | <1.0 | <1.0 | | <1.0 | 2.1 | <1.0 | <1.0 | 1.0 | <1.0 | <1.0 | | 1.1 | <1.0 | <1.0 | <1.0 |
| Arsenic, total | ug/L | <2.0 | <2.0 | <2.0 | | <2.0 | <2.0 | 77.3 | <2.0 | 2.2 | <2.0 | 5.0 | <2.0 | 4.7 | <2.0 | <2.0 | <2.0 |
| Barium, total | ug/L | 203.0 | 33.6 | 339.0 | | 88.3 | 19.3 | 919.0 | 459.0 | 827.0 | 169.0 | 688.0 | | 299.0 | 26.2 | 35.0 | 33.3 |
| Benzene | ug/L | <1.0 | <1.0 | <1.0 | 6.6 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | <1.0 | <1.0 | <1.0 | | | |
| Beryllium, total | ug/L | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 |
| Bicarbonate, as caco3 | mg/L | | | | | | | 673 | | | | | | | | | |
| Bis(2-ethylhexyl) phthalate | ug/L | | | | | | | | | | | | | | | | |
| Bod (5 day) | mg/L | | | | 38 | | | | | | | | | | | | |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Cadmium, total | ug/L | <.2 | .9 | .4 | | <.2 | <.2 | <.2 | <.2 | .9 | <.2 | <.2 | | <.2 | <.2 | <.2 | <.2 |
| Carbon disulfide | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 | <1.0 | | <1.0 | <1.0 | <1.0 | <1.0 | | | |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Chemical oxygen demand | mg/L | | | | 931 | | | | | | | | | | | | |
| Chloride | mg/L | | | | 960 | | | | | | | | | | | | |
| Chlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | 6.6 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | <1.0 | 1.1 | <1.0 | | | |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Chromium, total | ug/L | <1.0 | <1.0 | <1.0 | | 1.3 | <1.0 | <1.0 | 1.3 | 1.0 | 1.1 | <1.0 | | 1.1 | 1.0 | <1.0 | 1.0 |
| Cis-1,2-dichloroethylene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | 3.4 | <1.0 | <1.0 | | | |
| Cis-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Cobalt, total | ug/L | <.5 | .6 | <.5 | 10.7 | <.5 | <.5 | 1.2 | 1.6 | 4.0 | <.5 | 17.2 | 11.2 | <.5 | <.5 | 1.0 | <.5 |
| Copper, total | ug/L | <5.0 | <5.0 | <5.0 | | 8.1 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Ethane | ug/L | | | | <5 | | | <5 | | | | | | | | | |
| Ethene | ug/L | | | | <5 | | | <5 | | | | | | | | | |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Lead, total | ug/L | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methane | ug/L | | | | 4230 | | | 7590 | | | | | | | | | |
| Methyl iodide | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Methylene chloride | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | | |
| Nickel, total | ug/L | <5.0 | 46.2 | 10.0 | | <5.0 | <5.0 | <5.0 | 22.5 | 15.5 | <5.0 | 11.1 | | 5.0 | <5.0 | <5.0 | <5.0 |

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

Prepared by: Otter Creek Environmental

## Table 1

### Analytical Data Summary for 9/4/2025

| Constituents | MW-44 | MW-45A | MW-45D | MW-6A | MW-8B | MW-9AR | SW-102 | SW-2B | TILE 1 | TILE 2 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-dichloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.9 | <1.0 |
| 2-butanone (mek) | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2-hexanone (mbk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 4-methyl-2-pentanone (mibk) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Acetone | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Antimony, total | <1.0 | <1.0 | 1.6 | <1.0 | <1.0 | 3.6 | | | <1.0 | <1.0 |
| Arsenic, total | <2.0 | <2.0 | 4.7 | <2.0 | 18.1 | <2.0 | | | 10.3 | 2.2 |
| Barium, total | 848.0 | 94.3 | 77.1 | 72.7 | 955.0 | 335.0 | | | 1990.0 | 697.0 |
| Benzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.5 | <1.0 |
| Beryllium, total | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | | | <.5 | <.5 |
| Bicarbonate, as caco3 | | | | | 744 | 544 | | | | |
| Bis(2-ethylhexyl) phthalate | <6 | | | | | | | | | |
| Bod (5 day) | | | | | | | | | | |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cadmium, total | <.2 | <.2 | <.2 | .3 | <.2 | 2.3 | | | <.2 | <.2 |
| Carbon disulfide | 1.0 | <1.0 | <1.0 | <1.0 | 1.3 | 1.1 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chemical oxygen demand | | | | | | | | | | |
| Chloride | | | | | | | | | | |
| Chlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.8 | <1.0 | <1.0 | 7.0 | 2.2 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chromium, total | 1.2 | <1.0 | 1.1 | 1.0 | 1.1 | <1.0 | | | 2.2 | <1.0 |
| Cis-1,2-dichloroethylene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 34.5 | <1.0 | <1.0 | 1.8 | 4.1 |
| Cis-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Cobalt, total | .5 | 3.8 | <.5 | .5 | 10.7 | 1.0 | | | 3.3 | 1.6 |
| Copper, total | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | | | <5.0 | <5.0 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethane | | | | | <5 | <5 | | | | |
| Ethene | | | | | <5 | <5 | | | | |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Lead, total | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 |
| Methane | | | | | 166 | 250 | | | | |
| Methyl iodide | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Nickel, total | <5.0 | <5.0 | <5.0 | 30.7 | 5.8 | 10.3 | | | 38.8 | 10.0 |

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

## Table 1

## Analytical Data Summary for 9/4/2025

| Constituents | Units | GU-2 | GU-A | GU-B | LW26 | MW-11C | MW-14D | MW-15R | MW-17R | MW-18 | MW-21 | MW-28 | MW-32 | MW-34A | MW-39D | MW-41D | MW-42D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, ammonia | mg/L | | | | 208 | | | | | | | | | | | | |
| pH | pH | | | | | | | 6.7 | | | | | | | | | |
| Selenium, total | ug/L | 5.5 | <2.0 | <2.0 | | <2.0 | <2.0 | <2.0 | <2.0 | 2.5 | <2.0 | <2.0 | | <2.0 | <2.0 | <2.0 | <2.0 |
| Silver, total | ug/L | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 |
| Solids, total dissolved | mg/L | | | | 2830 | | | | | | | | | | | | |
| Solids, total suspended | mg/L | | | | 24 | | | | | | | | | | | | |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Sulfate | mg/L | | | | 29.6 | | | | | | | | | | | | |
| Tetrachloroethylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Thallium, total | ug/L | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| 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 | | | |
| Trans-1,3-dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | |
| Trans-1,4-dichloro-2-butene | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | | |
| Trichloroethylene | ug/L | <1.0 | <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 | | | |
| Vanadium, total | ug/L | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| Vinyl acetate | ug/L | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | | |
| Vinyl chloride | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <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 | | | |
| Zinc, total | ug/L | 7.4 | 362.0 | 30.7 | | 8.8 | 6.6 | 6.1 | 16.4 | 31.0 | 5.0 | 8.2 | | 7.3 | 6.4 | 15.3 | <5.0 |

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

## Table 1

### Analytical Data Summary for 9/4/2025

| Constituents | MW-44 | MW-45A | MW-45D | MW-6A | MW-8B | MW-9AR | SW-102 | SW-2B | TILE 1 | TILE 2 |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, ammonia | | | | | | | | | | |
| pH | | | | | 6.5 | 6.8 | | | | |
| Selenium, total | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 5.1 | | | 3.3 | <2.0 |
| Silver, total | <5 | <5 | <5 | <5 | <5 | <5 | | | <5 | <5 |
| Solids, total dissolved | | | | | | | | | | |
| Solids, total suspended | | | | | | | | | | |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Sulfate | | | | | | | | | | |
| Tetrachloroethylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Thallium, total | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | | | <.5 | <.5 |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,2-dichloroethylene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.9 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trans-1,3-dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trans-1,4-dichloro-2-butene | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethylene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.5 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vanadium, total | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | <2 |
| Vinyl acetate | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl chloride | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 8.2 | <1.0 | <1.0 | 1.4 | 4.2 |
| Xylenes, total | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Zinc, total | 8.7 | 13.5 | 9.0 | 12.8 | 12.9 | 42.8 | | | <5.0 | <5.0 |

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

**Attachment B**

Summary Tables and Graphs for the Interwell Comparisons
Shallow Ground Water

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | MW-18 | 09/23/2014 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 12/02/2014 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/19/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 06/17/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 08/27/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/03/2016 | | 2.6000 | | |
| Antimony, total | ug/L | MW-18 | 09/20/2016 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/09/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 09/14/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/12/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 09/10/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/26/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 09/16/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/24/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 09/02/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/08/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 09/14/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/28/2022 | | 2.1000 | | |
| Antimony, total | ug/L | MW-18 | 09/13/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 03/23/2023 | | 4.2000 | | |
| Antimony, total | ug/L | MW-18 | 09/05/2023 | | 5.5000 | | |
| Antimony, total | ug/L | MW-18 | 09/18/2024 | | 2.4000 | | |
| Antimony, total | ug/L | MW-18 | 03/11/2025 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-18 | 09/04/2025 | | 1.0000 | | |
| Arsenic, total | ug/L | MW-18 | 09/23/2014 | | 23.0000 | | |
| Arsenic, total | ug/L | MW-18 | 12/02/2014 | | 38.7000 | | |
| Arsenic, total | ug/L | MW-18 | 03/19/2015 | | 30.7000 | | |
| Arsenic, total | ug/L | MW-18 | 06/17/2015 | | 53.7000 | | |
| Arsenic, total | ug/L | MW-18 | 08/27/2015 | | 26.8000 | | |
| Arsenic, total | ug/L | MW-18 | 03/03/2016 | | 97.7000 | | * |
| Arsenic, total | ug/L | MW-18 | 09/20/2016 | | 33.2000 | | |
| Arsenic, total | ug/L | MW-18 | 03/09/2017 | | 34.0000 | | |
| Arsenic, total | ug/L | MW-18 | 07/12/2017 | | 22.3000 | | |
| Arsenic, total | ug/L | MW-18 | 09/14/2017 | | 8.3000 | | |
| Arsenic, total | ug/L | MW-18 | 12/13/2017 | | 7.2000 | | |
| Arsenic, total | ug/L | MW-18 | 03/12/2018 | | 11.6000 | | |
| Arsenic, total | ug/L | MW-18 | 09/10/2018 | | 11.4000 | | |
| Arsenic, total | ug/L | MW-18 | 03/26/2019 | | 26.1000 | | |
| Arsenic, total | ug/L | MW-18 | 09/16/2019 | | 13.0000 | | |
| Arsenic, total | ug/L | MW-18 | 03/24/2020 | | 10.7000 | | |
| Arsenic, total | ug/L | MW-18 | 09/02/2020 | | 14.3000 | | |
| Arsenic, total | ug/L | MW-18 | 03/08/2021 | | 14.2000 | | |
| Arsenic, total | ug/L | MW-18 | 09/14/2021 | | 15.3000 | | |
| Arsenic, total | ug/L | MW-18 | 03/28/2022 | | 26.8000 | | |
| Arsenic, total | ug/L | MW-18 | 09/13/2022 | | 34.0000 | | |
| Arsenic, total | ug/L | MW-18 | 03/23/2023 | | 79.4000 | | * |
| Arsenic, total | ug/L | MW-18 | 09/05/2023 | | 26.8000 | | |
| Arsenic, total | ug/L | MW-18 | 09/18/2024 | | 4.8000 | | |
| Arsenic, total | ug/L | MW-18 | 03/11/2025 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-18 | 09/04/2025 | | 2.2000 | | |
| Barium, total | ug/L | MW-18 | 09/23/2014 | | 407.0000 | | |
| Barium, total | ug/L | MW-18 | 12/02/2014 | | 459.0000 | | |
| Barium, total | ug/L | MW-18 | 03/19/2015 | | 436.0000 | | |
| Barium, total | ug/L | MW-18 | 06/17/2015 | | 377.0000 | | |
| Barium, total | ug/L | MW-18 | 08/27/2015 | | 392.0000 | | |
| Barium, total | ug/L | MW-18 | 03/03/2016 | | 486.0000 | | |
| Barium, total | ug/L | MW-18 | 09/20/2016 | | 320.0000 | | |
| Barium, total | ug/L | MW-18 | 03/09/2017 | | 465.0000 | | |
| Barium, total | ug/L | MW-18 | 09/14/2017 | | 452.0000 | | |
| Barium, total | ug/L | MW-18 | 03/12/2018 | | 410.0000 | | |
| Barium, total | ug/L | MW-18 | 09/10/2018 | | 374.0000 | | |
| Barium, total | ug/L | MW-18 | 03/26/2019 | | 352.0000 | | |
| Barium, total | ug/L | MW-18 | 09/16/2019 | | 559.0000 | | |
| Barium, total | ug/L | MW-18 | 03/24/2020 | | 330.0000 | | |
| Barium, total | ug/L | MW-18 | 09/02/2020 | | 478.0000 | | |
| Barium, total | ug/L | MW-18 | 03/08/2021 | | 463.0000 | | |
| Barium, total | ug/L | MW-18 | 09/14/2021 | | 499.0000 | | |
| Barium, total | ug/L | MW-18 | 03/28/2022 | | 479.0000 | | |
| Barium, total | ug/L | MW-18 | 09/13/2022 | | 551.0000 | | |
| Barium, total | ug/L | MW-18 | 03/23/2023 | | 655.0000 | | |
| Barium, total | ug/L | MW-18 | 09/05/2023 | | 509.0000 | | |
| Barium, total | ug/L | MW-18 | 09/18/2024 | | 477.0000 | | |
| Barium, total | ug/L | MW-18 | 03/11/2025 | | 560.0000 | | |
| Barium, total | ug/L | MW-18 | 09/04/2025 | | 827.0000 | | |

* - 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-18 | 09/23/2014 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/19/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/14/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/10/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/26/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/16/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/24/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/14/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/28/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/13/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/23/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/05/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/18/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 03/11/2025 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-18 | 09/04/2025 | ND | 0.5000 | 4.0000 | ** |
| Cadmium, total | ug/L | MW-18 | 09/23/2014 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 12/02/2014 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/19/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 06/17/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 08/27/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/03/2016 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/20/2016 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/09/2017 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/14/2017 | | 1.3000 | | |
| Cadmium, total | ug/L | MW-18 | 03/12/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/10/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/26/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/16/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/24/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/14/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-18 | 03/28/2022 | | 1.3000 | | |
| Cadmium, total | ug/L | MW-18 | 09/13/2022 | | 1.1000 | | |
| Cadmium, total | ug/L | MW-18 | 03/23/2023 | | 3.9000 | | |
| Cadmium, total | ug/L | MW-18 | 09/05/2023 | | 1.8000 | | |
| Cadmium, total | ug/L | MW-18 | 09/18/2024 | | 2.5000 | | |
| Cadmium, total | ug/L | MW-18 | 03/11/2025 | | 1.2000 | | |
| Cadmium, total | ug/L | MW-18 | 09/04/2025 | | 0.9000 | | |
| Chromium, total | ug/L | MW-18 | 09/23/2014 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 12/02/2014 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/19/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 06/17/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 08/27/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/03/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/20/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/09/2017 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/14/2017 | | 10.4000 | | |
| Chromium, total | ug/L | MW-18 | 03/12/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/10/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/26/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/16/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/24/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/08/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/14/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/28/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/13/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/23/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/05/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/18/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 03/11/2025 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-18 | 09/04/2025 | | 1.0000 | | |
| Cobalt, total | ug/L | MW-18 | 09/23/2014 | | 0.8000 | | |
| Cobalt, total | ug/L | MW-18 | 12/02/2014 | | 1.2000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Cobalt, total | ug/L | MW-18 | 03/19/2015 | | 1.3000 | | |
| Cobalt, total | ug/L | MW-18 | 06/17/2015 | | 1.4000 | | |
| Cobalt, total | ug/L | MW-18 | 08/27/2015 | | 0.9000 | | |
| Cobalt, total | ug/L | MW-18 | 03/03/2016 | | 2.1000 | | |
| Cobalt, total | ug/L | MW-18 | 09/20/2016 | | 3.5000 | | |
| Cobalt, total | ug/L | MW-18 | 03/09/2017 | | 1.9000 | | |
| Cobalt, total | ug/L | MW-18 | 09/14/2017 | | 3.1000 | | |
| Cobalt, total | ug/L | MW-18 | 03/12/2018 | ND | 2.0000 | 0.8000 | ** |
| Cobalt, total | ug/L | MW-18 | 09/10/2018 | | 0.9000 | | |
| Cobalt, total | ug/L | MW-18 | 03/26/2019 | | 1.6000 | | |
| Cobalt, total | ug/L | MW-18 | 09/16/2019 | | 1.0000 | | |
| Cobalt, total | ug/L | MW-18 | 03/24/2020 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-18 | 09/02/2020 | | 0.8000 | | |
| Cobalt, total | ug/L | MW-18 | 03/08/2021 | | 1.1000 | | |
| Cobalt, total | ug/L | MW-18 | 09/14/2021 | | 1.7000 | | |
| Cobalt, total | ug/L | MW-18 | 03/28/2022 | | 0.7000 | | |
| Cobalt, total | ug/L | MW-18 | 09/13/2022 | | 7.2000 | | |
| Cobalt, total | ug/L | MW-18 | 03/23/2023 | | 2.9000 | | |
| Cobalt, total | ug/L | MW-18 | 09/05/2023 | | 2.2000 | | |
| Cobalt, total | ug/L | MW-18 | 09/18/2024 | | 2.3000 | | |
| Cobalt, total | ug/L | MW-18 | 03/11/2025 | | 0.4000 | | |
| Cobalt, total | ug/L | MW-18 | 09/04/2025 | | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/23/2014 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/19/2015 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/14/2017 | | 6.3000 | | |
| Copper, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/10/2018 | | 5.2000 | | |
| Copper, total | ug/L | MW-18 | 03/26/2019 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/16/2019 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/24/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 09/14/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-18 | 03/28/2022 | | 6.7000 | | |
| Copper, total | ug/L | MW-18 | 09/13/2022 | | 12.0000 | | |
| Copper, total | ug/L | MW-18 | 03/23/2023 | | 9.9000 | | |
| Copper, total | ug/L | MW-18 | 09/05/2023 | | 5.9000 | | |
| Copper, total | ug/L | MW-18 | 09/18/2024 | | 4.7000 | | |
| Copper, total | ug/L | MW-18 | 03/11/2025 | | 4.1000 | | |
| Copper, total | ug/L | MW-18 | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Lead, total | ug/L | MW-18 | 09/23/2014 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/19/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/14/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/10/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/26/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/16/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/24/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/14/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/28/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/13/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/23/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/05/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/18/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 03/11/2025 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-18 | 09/04/2025 | ND | 1.0000 | 4.0000 | ** |
| Nickel, total | ug/L | MW-18 | 09/23/2014 | | 5.0000 | | |
| Nickel, total | ug/L | MW-18 | 12/02/2014 | | 5.4000 | | |
| Nickel, total | ug/L | MW-18 | 03/19/2015 | | 6.3000 | | |
| Nickel, total | ug/L | MW-18 | 06/17/2015 | | 10.3000 | | |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Nickel, total | ug/L | MW-18 | 08/27/2015 | | 6.8000 | | |
| Nickel, total | ug/L | MW-18 | 03/03/2016 | | 12.7000 | | |
| Nickel, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-18 | 03/09/2017 | | 5.3000 | | |
| Nickel, total | ug/L | MW-18 | 09/14/2017 | | 16.1000 | | |
| Nickel, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-18 | 09/10/2018 | | 4.4000 | | |
| Nickel, total | ug/L | MW-18 | 03/26/2019 | | 7.2000 | | |
| Nickel, total | ug/L | MW-18 | 09/16/2019 | | 4.7000 | | |
| Nickel, total | ug/L | MW-18 | 03/24/2020 | | 4.4000 | | |
| Nickel, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-18 | 09/14/2021 | | 10.7000 | | |
| Nickel, total | ug/L | MW-18 | 03/28/2022 | | 8.4000 | | |
| Nickel, total | ug/L | MW-18 | 09/13/2022 | | 11.3000 | | |
| Nickel, total | ug/L | MW-18 | 03/23/2023 | | 23.8000 | | |
| Nickel, total | ug/L | MW-18 | 09/05/2023 | | 14.0000 | | |
| Nickel, total | ug/L | MW-18 | 09/18/2024 | | 33.6000 | | |
| Nickel, total | ug/L | MW-18 | 03/11/2025 | | 12.0000 | | |
| Nickel, total | ug/L | MW-18 | 09/04/2025 | | 15.5000 | | |
| Selenium, total | ug/L | MW-18 | 09/23/2014 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/19/2015 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/14/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/10/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/26/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/16/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/24/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-18 | 03/28/2022 | | 5.1000 | | |
| Selenium, total | ug/L | MW-18 | 09/13/2022 | | 8.7000 | | |
| Selenium, total | ug/L | MW-18 | 03/23/2023 | | 16.2000 | | |
| Selenium, total | ug/L | MW-18 | 09/05/2023 | | 8.0000 | | |
| Selenium, total | ug/L | MW-18 | 09/18/2024 | | 8.9000 | | |
| Selenium, total | ug/L | MW-18 | 03/11/2025 | | 9.6000 | | |
| Selenium, total | ug/L | MW-18 | 09/04/2025 | | 2.5000 | | |
| Silver, total | ug/L | MW-18 | 09/23/2014 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/19/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/14/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/10/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/26/2019 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/16/2019 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/24/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/28/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/13/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/23/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/05/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 03/11/2025 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-18 | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/23/2014 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 12/02/2014 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 03/19/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 06/17/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 08/27/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 03/03/2016 | ND | 4.0000 | | |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Thallium, total | ug/L | MW-18 | 09/20/2016 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 03/09/2017 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 09/14/2017 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 03/12/2018 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 09/10/2018 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-18 | 03/26/2019 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/16/2019 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 03/24/2020 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/02/2020 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 03/08/2021 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/14/2021 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 03/28/2022 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/13/2022 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 03/23/2023 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/05/2023 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/18/2024 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 03/11/2025 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-18 | 09/04/2025 | ND | 0.5000 | 4.0000 | ** |
| Vanadium, total | ug/L | MW-18 | 09/23/2014 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 12/02/2014 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/19/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 06/17/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 08/27/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/03/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/20/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/09/2017 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/14/2017 | | 30.7000 | | |
| Vanadium, total | ug/L | MW-18 | 03/12/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/10/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/26/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/16/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/24/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/02/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/14/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/28/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/13/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/23/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/05/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 03/11/2025 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-18 | 09/04/2025 | ND | 2.0000 | 20.0000 | ** |
| Zinc, total | ug/L | MW-18 | 09/23/2014 | | 11.9000 | | |
| Zinc, total | ug/L | MW-18 | 12/02/2014 | | 11.3000 | | |
| Zinc, total | ug/L | MW-18 | 03/19/2015 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-18 | 06/17/2015 | | 23.7000 | | |
| Zinc, total | ug/L | MW-18 | 08/27/2015 | | 13.5000 | | |
| Zinc, total | ug/L | MW-18 | 03/03/2016 | | 18.8000 | | |
| Zinc, total | ug/L | MW-18 | 09/20/2016 | | 8.7000 | | |
| Zinc, total | ug/L | MW-18 | 03/09/2017 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-18 | 09/14/2017 | | 53.3000 | | |
| Zinc, total | ug/L | MW-18 | 03/12/2018 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-18 | 09/10/2018 | | 27.3000 | | |
| Zinc, total | ug/L | MW-18 | 03/26/2019 | | 13.7000 | | |
| Zinc, total | ug/L | MW-18 | 09/16/2019 | | 20.6000 | | |
| Zinc, total | ug/L | MW-18 | 03/24/2020 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-18 | 09/02/2020 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-18 | 03/08/2021 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-18 | 09/14/2021 | | 34.6000 | | |
| Zinc, total | ug/L | MW-18 | 03/28/2022 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-18 | 09/13/2022 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-18 | 03/23/2023 | | 51.2000 | | |
| Zinc, total | ug/L | MW-18 | 09/05/2023 | | 48.1000 | | |
| Zinc, total | ug/L | MW-18 | 09/18/2024 | | 73.5000 | | |
| Zinc, total | ug/L | MW-18 | 03/11/2025 | | 34.1000 | | |
| Zinc, total | ug/L | MW-18 | 09/04/2025 | | 31.0000 | | |
| Antimony, total | ug/L | MW-34A | 03/11/2025 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-34A | 09/04/2025 | | 1.1000 | | |
| Arsenic, total | ug/L | MW-34A | 03/11/2025 | | 13.8000 | | |
| Arsenic, total | ug/L | MW-34A | 09/04/2025 | | 4.7000 | | |
| Barium, total | ug/L | MW-34A | 03/11/2025 | | 41.9000 | | |
| Barium, total | ug/L | MW-34A | 09/04/2025 | | 299.0000 | | |
| Beryllium, total | ug/L | MW-34A | 03/11/2025 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-34A | 09/04/2025 | ND | 0.5000 | 4.0000 | ** |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Cadmium, total | ug/L | MW-34A | 03/11/2025 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-34A | 09/04/2025 | ND | 0.2000 | 0.8000 | ** |
| Chromium, total | ug/L | MW-34A | 03/11/2025 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-34A | 09/04/2025 | | 1.1000 | | |
| Cobalt, total | ug/L | MW-34A | 03/11/2025 | | 4.0000 | | |
| Cobalt, total | ug/L | MW-34A | 09/04/2025 | ND | 0.5000 | 0.8000 | ** |
| Copper, total | ug/L | MW-34A | 03/11/2025 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-34A | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Lead, total | ug/L | MW-34A | 03/11/2025 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-34A | 09/04/2025 | ND | 1.0000 | 4.0000 | ** |
| Nickel, total | ug/L | MW-34A | 03/11/2025 | | 10.9000 | | |
| Nickel, total | ug/L | MW-34A | 09/04/2025 | | 5.0000 | | |
| Selenium, total | ug/L | MW-34A | 03/11/2025 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-34A | 09/04/2025 | ND | 2.0000 | 4.0000 | ** |
| Silver, total | ug/L | MW-34A | 03/11/2025 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-34A | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-34A | 03/11/2025 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-34A | 09/04/2025 | ND | 0.5000 | 4.0000 | ** |
| Vanadium, total | ug/L | MW-34A | 03/11/2025 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-34A | 09/04/2025 | ND | 2.0000 | 20.0000 | ** |
| Zinc, total | ug/L | MW-34A | 03/11/2025 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-34A | 09/04/2025 | | 7.3000 | | |
| Antimony, total | ug/L | MW-4A | 09/23/2014 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 12/02/2014 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/19/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 06/17/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 08/27/2015 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/03/2016 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 09/20/2016 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/09/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 09/14/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/12/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 09/10/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/26/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 09/16/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/24/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 09/02/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 03/08/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-4A | 09/14/2021 | ND | 2.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/19/2015 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Barium, total | ug/L | MW-4A | 09/23/2014 | | 367.0000 | | |
| Barium, total | ug/L | MW-4A | 12/02/2014 | | 418.0000 | | |
| Barium, total | ug/L | MW-4A | 03/19/2015 | | 322.0000 | | |
| Barium, total | ug/L | MW-4A | 06/17/2015 | | 267.0000 | | |
| Barium, total | ug/L | MW-4A | 08/27/2015 | | 390.0000 | | |
| Barium, total | ug/L | MW-4A | 03/03/2016 | | 378.0000 | | |
| Barium, total | ug/L | MW-4A | 09/20/2016 | | 380.0000 | | |
| Barium, total | ug/L | MW-4A | 03/09/2017 | | 265.0000 | | |
| Barium, total | ug/L | MW-4A | 09/14/2017 | | 365.0000 | | |
| Barium, total | ug/L | MW-4A | 03/12/2018 | | 313.0000 | | |
| Barium, total | ug/L | MW-4A | 09/10/2018 | | 316.0000 | | |
| Barium, total | ug/L | MW-4A | 03/26/2019 | | 232.0000 | | |
| Barium, total | ug/L | MW-4A | 09/16/2019 | | 346.0000 | | |
| Barium, total | ug/L | MW-4A | 03/24/2020 | | 250.0000 | | |
| Barium, total | ug/L | MW-4A | 09/02/2020 | | 360.0000 | | |
| Barium, total | ug/L | MW-4A | 03/08/2021 | | 296.0000 | | |
| Barium, total | ug/L | MW-4A | 09/14/2021 | | 344.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Beryllium, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/19/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Cadmium, total | ug/L | MW-4A | 09/23/2014 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 12/02/2014 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/19/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 06/17/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 08/27/2015 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/03/2016 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 09/20/2016 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/09/2017 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 09/14/2017 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/12/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 09/10/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/26/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 09/16/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/24/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-4A | 09/14/2021 | ND | 0.8000 | | |
| Chromium, total | ug/L | MW-4A | 09/23/2014 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 12/02/2014 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/19/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 06/17/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 08/27/2015 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/03/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/20/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/09/2017 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/14/2017 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/12/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/10/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/26/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/16/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/24/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 03/08/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-4A | 09/14/2021 | ND | 8.0000 | | |
| Cobalt, total | ug/L | MW-4A | 09/23/2014 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 12/02/2014 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/19/2015 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 06/17/2015 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 08/27/2015 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/03/2016 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 09/20/2016 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/09/2017 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 09/14/2017 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/12/2018 | ND | 2.0000 | 0.8000 | ** |
| Cobalt, total | ug/L | MW-4A | 09/10/2018 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/26/2019 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 09/16/2019 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 03/24/2020 | ND | 0.8000 | | |
| Cobalt, total | ug/L | MW-4A | 09/02/2020 | ND | 0.4000 | 0.8000 | ** |
| Cobalt, total | ug/L | MW-4A | 03/08/2021 | ND | 0.4000 | 0.8000 | ** |
| Cobalt, total | ug/L | MW-4A | 09/14/2021 | ND | 0.4000 | 0.8000 | ** |
| Copper, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/19/2015 | | 30.1000 | | |
| Copper, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Copper, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/19/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/19/2015 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/19/2015 | | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/19/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/26/2019 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/16/2019 | ND | 4.0000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Silver, total | ug/L | MW-4A | 03/24/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-4A | 09/14/2021 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 09/23/2014 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 12/02/2014 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 03/19/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 06/17/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 08/27/2015 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 03/03/2016 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 09/20/2016 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 03/09/2017 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 09/14/2017 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 03/12/2018 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 09/10/2018 | ND | 4.0000 | | |
| Thallium, total | ug/L | MW-4A | 03/26/2019 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-4A | 09/16/2019 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-4A | 03/24/2020 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-4A | 09/02/2020 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-4A | 03/08/2021 | ND | 2.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-4A | 09/14/2021 | ND | 2.0000 | 4.0000 | ** |
| Vanadium, total | ug/L | MW-4A | 09/23/2014 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 12/02/2014 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/19/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 06/17/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 08/27/2015 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/03/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/20/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/09/2017 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/14/2017 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/12/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/10/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/26/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/16/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/24/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/02/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 03/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-4A | 09/14/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-4A | 09/23/2014 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 12/02/2014 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 03/19/2015 | | 14.7000 | | |
| Zinc, total | ug/L | MW-4A | 06/17/2015 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 08/27/2015 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 03/03/2016 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 09/20/2016 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 03/09/2017 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 09/14/2017 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 03/12/2018 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 09/10/2018 | | 14.1000 | | |
| Zinc, total | ug/L | MW-4A | 03/26/2019 | ND | 8.0000 | | |
| Zinc, total | ug/L | MW-4A | 09/16/2019 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-4A | 03/24/2020 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-4A | 09/02/2020 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-4A | 03/08/2021 | ND | 20.0000 | 8.0000 | ** |
| Zinc, total | ug/L | MW-4A | 09/14/2021 | ND | 20.0000 | 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 2

## Most Current Downgradient Monitoring Data

| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | GU-2 | 09/04/2025 | | 1.7000 | | 5.5000 |
| Arsenic, total | ug/L | GU-2 | 09/04/2025 | ND | 2.0000 | | 46.0382 |
| Barium, total | ug/L | GU-2 | 09/04/2025 | | 203.0000 | | 709.8041 |
| Beryllium, total | ug/L | GU-2 | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | GU-2 | 09/04/2025 | ND | 0.2000 | | 3.9000 |
| Chromium, total | ug/L | GU-2 | 09/04/2025 | ND | 1.0000 | | 10.4000 |
| Cobalt, total | ug/L | GU-2 | 09/04/2025 | ND | 0.5000 | | 5.0934 |
| Copper, total | ug/L | GU-2 | 09/04/2025 | ND | 5.0000 | | 30.1000 |
| Lead, total | ug/L | GU-2 | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | GU-2 | 09/04/2025 | ND | 5.0000 | | 55.6079 |
| Selenium, total | ug/L | GU-2 | 09/04/2025 | | 5.5000 | ** | 16.2000 |
| Silver, total | ug/L | GU-2 | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | GU-2 | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Vanadium, total | ug/L | GU-2 | 09/04/2025 | ND | 2.0000 | | 30.7000 |
| Zinc, total | ug/L | GU-2 | 09/04/2025 | | 7.4000 | | 73.5000 |
| Antimony, total | ug/L | GU-A | 09/04/2025 | ND | 1.0000 | | 5.5000 |
| Arsenic, total | ug/L | GU-A | 09/04/2025 | ND | 2.0000 | | 46.0382 |
| Barium, total | ug/L | GU-A | 09/04/2025 | | 33.6000 | | 709.8041 |
| Beryllium, total | ug/L | GU-A | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | GU-A | 09/04/2025 | | 0.9000 | | 3.9000 |
| Chromium, total | ug/L | GU-A | 09/04/2025 | ND | 1.0000 | | 10.4000 |
| Cobalt, total | ug/L | GU-A | 09/04/2025 | | 0.6000 | | 5.0934 |
| Copper, total | ug/L | GU-A | 09/04/2025 | ND | 5.0000 | | 30.1000 |
| Lead, total | ug/L | GU-A | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | GU-A | 09/04/2025 | | 46.2000 | | 55.6079 |
| Selenium, total | ug/L | GU-A | 09/04/2025 | ND | 2.0000 | | 16.2000 |
| Silver, total | ug/L | GU-A | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | GU-A | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Vanadium, total | ug/L | GU-A | 09/04/2025 | ND | 2.0000 | | 30.7000 |
| Zinc, total | ug/L | GU-A | 09/04/2025 | | 362.0000 | *** | 73.5000 |
| Antimony, total | ug/L | GU-B | 09/04/2025 | ND | 1.0000 | | 5.5000 |
| Arsenic, total | ug/L | GU-B | 09/04/2025 | ND | 2.0000 | | 46.0382 |
| Barium, total | ug/L | GU-B | 09/04/2025 | | 339.0000 | | 709.8041 |
| Beryllium, total | ug/L | GU-B | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | GU-B | 09/04/2025 | | 0.4000 | | 3.9000 |
| Chromium, total | ug/L | GU-B | 09/04/2025 | ND | 1.0000 | | 10.4000 |
| Cobalt, total | ug/L | GU-B | 09/04/2025 | ND | 0.5000 | | 5.0934 |
| Copper, total | ug/L | GU-B | 09/04/2025 | ND | 5.0000 | | 30.1000 |
| Lead, total | ug/L | GU-B | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | GU-B | 09/04/2025 | | 10.0000 | | 55.6079 |
| Selenium, total | ug/L | GU-B | 09/04/2025 | ND | 2.0000 | ** | 16.2000 |
| Silver, total | ug/L | GU-B | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | GU-B | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Vanadium, total | ug/L | GU-B | 09/04/2025 | ND | 2.0000 | | 30.7000 |
| Zinc, total | ug/L | GU-B | 09/04/2025 | | 30.7000 | | 73.5000 |
| Antimony, total | ug/L | MW-21 | 09/04/2025 | ND | 1.0000 | | 5.5000 |
| Arsenic, total | ug/L | MW-21 | 09/04/2025 | ND | 2.0000 | | 46.0382 |
| Barium, total | ug/L | MW-21 | 09/04/2025 | | 169.0000 | | 709.8041 |
| Beryllium, total | ug/L | MW-21 | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | MW-21 | 09/04/2025 | ND | 0.2000 | | 3.9000 |
| Chromium, total | ug/L | MW-21 | 09/04/2025 | | 1.1000 | | 10.4000 |
| Cobalt, total | ug/L | MW-21 | 09/04/2025 | ND | 0.5000 | | 5.0934 |
| Copper, total | ug/L | MW-21 | 09/04/2025 | ND | 5.0000 | | 30.1000 |
| Lead, total | ug/L | MW-21 | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-21 | 09/04/2025 | ND | 5.0000 | | 55.6079 |
| Selenium, total | ug/L | MW-21 | 09/04/2025 | ND | 2.0000 | | 16.2000 |
| Silver, total | ug/L | MW-21 | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-21 | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Vanadium, total | ug/L | MW-21 | 09/04/2025 | ND | 2.0000 | | 30.7000 |
| Zinc, total | ug/L | MW-21 | 09/04/2025 | | 5.0000 | | 73.5000 |
| Antimony, total | ug/L | MW-44 | 09/04/2025 | ND | 1.0000 | | 5.5000 |
| Arsenic, total | ug/L | MW-44 | 09/04/2025 | ND | 2.0000 | | 46.0382 |
| Barium, total | ug/L | MW-44 | 09/04/2025 | | 848.0000 | *** | 709.8041 |
| Beryllium, total | ug/L | MW-44 | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | MW-44 | 09/04/2025 | ND | 0.2000 | | 3.9000 |
| Chromium, total | ug/L | MW-44 | 09/04/2025 | | 1.2000 | | 10.4000 |
| Cobalt, total | ug/L | MW-44 | 09/04/2025 | | 0.5000 | | 5.0934 |
| Copper, total | ug/L | MW-44 | 09/04/2025 | ND | 5.0000 | | 30.1000 |
| Lead, total | ug/L | MW-44 | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-44 | 09/04/2025 | ND | 5.0000 | | 55.6079 |
| Selenium, total | ug/L | MW-44 | 09/04/2025 | ND | 2.0000 | | 16.2000 |
| Silver, total | ug/L | MW-44 | 09/04/2025 | ND | 5.0000 | | 4.0000 |

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

## Table 2

## Most Current Downgradient Monitoring Data

| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Thallium, total | ug/L | MW-44 | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Vanadium, total | ug/L | MW-44 | 09/04/2025 | ND | 2.0000 | | 30.7000 |
| Zinc, total | ug/L | MW-44 | 09/04/2025 | | 8.7000 | | 73.5000 |
| Antimony, total | ug/L | MW-45A | 09/04/2025 | ND | 1.0000 | | 5.5000 |
| Arsenic, total | ug/L | MW-45A | 09/04/2025 | ND | 2.0000 | | 46.0382 |
| Barium, total | ug/L | MW-45A | 09/04/2025 | | 94.3000 | | 709.8041 |
| Beryllium, total | ug/L | MW-45A | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | MW-45A | 09/04/2025 | ND | 0.2000 | | 3.9000 |
| Chromium, total | ug/L | MW-45A | 09/04/2025 | ND | 1.0000 | | 10.4000 |
| Cobalt, total | ug/L | MW-45A | 09/04/2025 | | 3.8000 | | 5.0934 |
| Copper, total | ug/L | MW-45A | 09/04/2025 | ND | 5.0000 | | 30.1000 |
| Lead, total | ug/L | MW-45A | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-45A | 09/04/2025 | ND | 5.0000 | | 55.6079 |
| Selenium, total | ug/L | MW-45A | 09/04/2025 | ND | 2.0000 | | 16.2000 |
| Silver, total | ug/L | MW-45A | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-45A | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Vanadium, total | ug/L | MW-45A | 09/04/2025 | ND | 2.0000 | | 30.7000 |
| Zinc, total | ug/L | MW-45A | 09/04/2025 | | 13.5000 | | 73.5000 |
| Antimony, total | ug/L | MW-6A | 09/04/2025 | ND | 1.0000 | | 5.5000 |
| Arsenic, total | ug/L | MW-6A | 09/04/2025 | ND | 2.0000 | | 46.0382 |
| Barium, total | ug/L | MW-6A | 09/04/2025 | | 72.7000 | | 709.8041 |
| Beryllium, total | ug/L | MW-6A | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | MW-6A | 09/04/2025 | | 0.3000 | | 3.9000 |
| Chromium, total | ug/L | MW-6A | 09/04/2025 | | 1.0000 | | 10.4000 |
| Cobalt, total | ug/L | MW-6A | 09/04/2025 | | 0.5000 | ** | 5.0934 |
| Copper, total | ug/L | MW-6A | 09/04/2025 | ND | 5.0000 | | 30.1000 |
| Lead, total | ug/L | MW-6A | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-6A | 09/04/2025 | | 30.7000 | | 55.6079 |
| Selenium, total | ug/L | MW-6A | 09/04/2025 | ND | 2.0000 | | 16.2000 |
| Silver, total | ug/L | MW-6A | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-6A | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Vanadium, total | ug/L | MW-6A | 09/04/2025 | ND | 2.0000 | | 30.7000 |
| Zinc, total | ug/L | MW-6A | 09/04/2025 | | 12.8000 | | 73.5000 |
| Antimony, total | ug/L | TILE 1 | 09/04/2025 | ND | 1.0000 | | 5.5000 |
| Arsenic, total | ug/L | TILE 1 | 09/04/2025 | | 10.3000 | | 46.0382 |
| Barium, total | ug/L | TILE 1 | 09/04/2025 | | 1990.0000 | *** | 709.8041 |
| Beryllium, total | ug/L | TILE 1 | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | TILE 1 | 09/04/2025 | ND | 0.2000 | | 3.9000 |
| Chromium, total | ug/L | TILE 1 | 09/04/2025 | | 2.2000 | | 10.4000 |
| Cobalt, total | ug/L | TILE 1 | 09/04/2025 | | 3.3000 | | 5.0934 |
| Copper, total | ug/L | TILE 1 | 09/04/2025 | ND | 5.0000 | | 30.1000 |
| Lead, total | ug/L | TILE 1 | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | TILE 1 | 09/04/2025 | | 38.8000 | | 55.6079 |
| Selenium, total | ug/L | TILE 1 | 09/04/2025 | | 3.3000 | | 16.2000 |
| Silver, total | ug/L | TILE 1 | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | TILE 1 | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Vanadium, total | ug/L | TILE 1 | 09/04/2025 | ND | 2.0000 | | 30.7000 |
| Zinc, total | ug/L | TILE 1 | 09/04/2025 | ND | 5.0000 | | 73.5000 |
| Antimony, total | ug/L | TILE 2 | 09/04/2025 | ND | 1.0000 | | 5.5000 |
| Arsenic, total | ug/L | TILE 2 | 09/04/2025 | | 2.2000 | | 46.0382 |
| Barium, total | ug/L | TILE 2 | 09/04/2025 | | 697.0000 | | 709.8041 |
| Beryllium, total | ug/L | TILE 2 | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | TILE 2 | 09/04/2025 | ND | 0.2000 | | 3.9000 |
| Chromium, total | ug/L | TILE 2 | 09/04/2025 | ND | 1.0000 | | 10.4000 |
| Cobalt, total | ug/L | TILE 2 | 09/04/2025 | | 1.6000 | | 5.0934 |
| Copper, total | ug/L | TILE 2 | 09/04/2025 | ND | 5.0000 | | 30.1000 |
| Lead, total | ug/L | TILE 2 | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | TILE 2 | 09/04/2025 | | 10.0000 | | 55.6079 |
| Selenium, total | ug/L | TILE 2 | 09/04/2025 | ND | 2.0000 | | 16.2000 |
| Silver, total | ug/L | TILE 2 | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | TILE 2 | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Vanadium, total | ug/L | TILE 2 | 09/04/2025 | ND | 2.0000 | | 30.7000 |
| Zinc, total | ug/L | TILE 2 | 09/04/2025 | ND | 5.0000 | | 73.5000 |

* - 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 | 7 | 43 | 0.163 | 17 | 111 | 0.153 |
| Arsenic, total | 25 | 43 | 0.581 | 16 | 111 | 0.144 |
| Barium, total | 43 | 43 | 1.000 | 113 | 113 | 1.000 |
| Beryllium, total | 0 | 43 | 0.000 | 1 | 111 | 0.009 |
| Cadmium, total | 8 | 43 | 0.186 | 10 | 111 | 0.090 |
| Chromium, total | 3 | 43 | 0.070 | 5 | 111 | 0.045 |
| Cobalt, total | 23 | 43 | 0.535 | 72 | 112 | 0.643 |
| Copper, total | 9 | 43 | 0.209 | 6 | 111 | 0.054 |
| Lead, total | 0 | 43 | 0.000 | 3 | 111 | 0.027 |
| Nickel, total | 22 | 43 | 0.512 | 82 | 112 | 0.732 |
| Selenium, total | 8 | 43 | 0.186 | 19 | 111 | 0.171 |
| Silver, total | 0 | 43 | 0.000 | 0 | 111 | 0.000 |
| Thallium, total | 0 | 43 | 0.000 | 0 | 111 | 0.000 |
| Vanadium, total | 1 | 43 | 0.023 | 1 | 111 | 0.009 |
| Zinc, total | 19 | 43 | 0.442 | 40 | 111 | 0.360 |

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 | 7 | 43 | 0.163 | 0.449 | 0.876 | | | | | 2.326 | normal | nonpar |
| Arsenic, total | 25 | 43 | 0.581 | 0.558 | 1.176 | | | | | 2.326 | normal | normal |
| Barium, total | 43 | 43 | 1.000 | 1.435 | 0.491 | | | | | 2.326 | normal | normal |
| Beryllium, total | 0 | 43 | 0.000 | | | | | | | | | nonpar |
| Cadmium, total | 8 | 43 | 0.186 | 1.904 | 0.551 | | | | | 2.326 | normal | nonpar |
| Chromium, total | 3 | 43 | 0.070 | | | | | | | | | nonpar |
| Cobalt, total | 23 | 43 | 0.535 | 3.592 | 2.223 | | | | | 2.326 | lognor | lognor |
| Copper, total | 9 | 43 | 0.209 | 1.081 | 0.095 | | | | | 2.326 | normal | nonpar |
| Lead, total | 0 | 43 | 0.000 | | | | | | | | | nonpar |
| Nickel, total | 22 | 43 | 0.512 | 3.224 | 0.646 | | | | | 2.326 | lognor | lognor |
| Selenium, total | 8 | 43 | 0.186 | 0.022 | 0.314 | | | | | 2.326 | normal | nonpar |
| Silver, total | 0 | 43 | 0.000 | | | | | | | | | nonpar |
| Thallium, total | 0 | 43 | 0.000 | | | | | | | | | nonpar |
| Vanadium, total | 1 | 43 | 0.023 | | | | | | | | | nonpar |
| Zinc, total | 19 | 43 | 0.442 | 1.309 | 0.580 | | | | | 2.326 | normal | nonpar |

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

## Table 5

## Summary Statistics and Prediction Limits

| Constituent | Units | Detect | N | Mean | SD | alpha | Factor | Pred Limit | Type | | Conf |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | 7 | 43 | | | | | 5.5000 | nonpar | | 0.99 |
| Arsenic, total | ug/L | 25 | 43 | 11.8047 | 13.9938 | 0.0100 | 2.4463 | 46.0382 | normal | | |
| Barium, total | ug/L | 43 | 43 | 401.5558 | 126.0040 | 0.0100 | 2.4463 | 709.8041 | normal | | |
| Beryllium, total | ug/L | 0 | 43 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Cadmium, total | ug/L | 8 | 43 | | | | | 3.9000 | nonpar | | 0.99 |
| Chromium, total | ug/L | 3 | 43 | | | | | 10.4000 | nonpar | | 0.99 |
| Cobalt, total | ug/L | 23 | 43 | 0.2593 | 0.5595 | 0.0100 | 2.4463 | 5.0934 | lognor | | |
| Copper, total | ug/L | 9 | 43 | | | | | 30.1000 | nonpar | | 0.99 |
| Lead, total | ug/L | 0 | 43 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Nickel, total | ug/L | 22 | 43 | 1.1239 | 1.1832 | 0.0100 | 2.4463 | 55.6079 | lognor | | |
| Selenium, total | ug/L | 8 | 43 | | | | | 16.2000 | nonpar | | 0.99 |
| Silver, total | ug/L | 0 | 43 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Thallium, total | ug/L | 0 | 43 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Vanadium, total | ug/L | 1 | 43 | | | | | 30.7000 | nonpar | | 0.99 |
| Zinc, total | ug/L | 19 | 43 | | | | | 73.5000 | nonpar | | 0.99 |

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

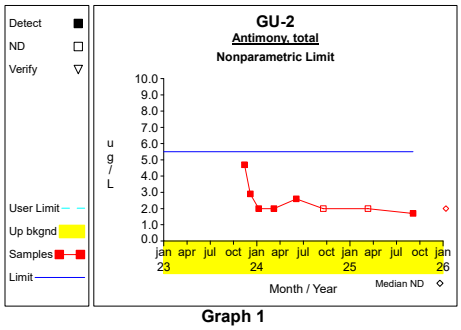
## Table 8

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

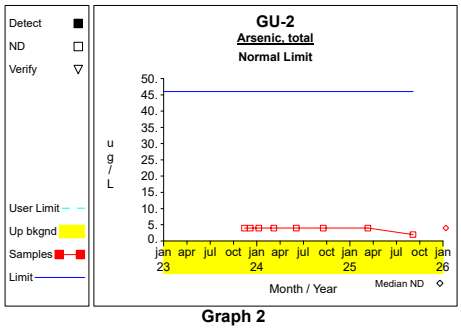
| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Selenium, total | ug/L | GU-2 | 11/13/2023 | ND | 4.0000 | | 16.2000 |
| Selenium, total | ug/L | GU-2 | 12/05/2023 | ND | 4.0000 | | 16.2000 |
| Selenium, total | ug/L | GU-2 | 01/08/2024 | ND | 4.0000 | | 16.2000 |
| Selenium, total | ug/L | GU-2 | 03/06/2024 | | 168.0000 | * | 16.2000 |
| Selenium, total | ug/L | GU-2 | 06/03/2024 | | 320.0000 | * | 16.2000 |
| Selenium, total | ug/L | GU-2 | 09/18/2024 | ND | 4.0000 | | 16.2000 |
| Selenium, total | ug/L | GU-2 | 03/10/2025 | | 1160.0000 | * | 16.2000 |
| Selenium, total | ug/L | GU-2 | 09/04/2025 | | 5.5000 | | 16.2000 |
| Zinc, total | ug/L | GU-A | 12/05/2023 | | 1350.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-A | 01/08/2024 | | 323.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-A | 03/06/2024 | | 877.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-A | 06/03/2024 | | 160.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-A | 09/18/2024 | | 739.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-A | 03/10/2025 | | 1720.0000 | * | 73.5000 |
| Zinc, total | ug/L | GU-A | 09/04/2025 | | 362.0000 | * | 73.5000 |
| Selenium, total | ug/L | GU-B | 11/13/2023 | | 8.8000 | | 16.2000 |
| Selenium, total | ug/L | GU-B | 12/05/2023 | | 6.9000 | | 16.2000 |
| Selenium, total | ug/L | GU-B | 01/08/2024 | | 6.9000 | | 16.2000 |
| Selenium, total | ug/L | GU-B | 03/06/2024 | | 28.4000 | * | 16.2000 |
| Selenium, total | ug/L | GU-B | 06/03/2024 | | 15.3000 | | 16.2000 |
| Selenium, total | ug/L | GU-B | 09/18/2024 | | 8.3000 | | 16.2000 |
| Selenium, total | ug/L | GU-B | 03/10/2025 | | 33.6000 | * | 16.2000 |
| Selenium, total | ug/L | GU-B | 09/04/2025 | ND | 2.0000 | | 16.2000 |
| Barium, total | ug/L | MW-44 | 07/12/2023 | | 624.0000 | | 709.8041 |
| Barium, total | ug/L | MW-44 | 09/05/2023 | | 708.0000 | | 709.8041 |
| Barium, total | ug/L | MW-44 | 11/28/2023 | | 803.0000 | * | 709.8041 |
| Barium, total | ug/L | MW-44 | 03/06/2024 | | 795.0000 | * | 709.8041 |
| Barium, total | ug/L | MW-44 | 09/18/2024 | | 662.0000 | | 709.8041 |
| Barium, total | ug/L | MW-44 | 03/11/2025 | | 756.0000 | * | 709.8041 |
| Barium, total | ug/L | MW-44 | 09/04/2025 | | 848.0000 | * | 709.8041 |
| Cobalt, total | ug/L | MW-6A | 09/20/2013 | ND | 4.0000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 03/28/2014 | ND | 4.0000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 09/23/2014 | | 2.5000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 03/18/2015 | ND | 0.8000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 08/27/2015 | | 1.4000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 03/03/2016 | ND | 0.8000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 09/21/2016 | | 1.2000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 03/09/2017 | ND | 0.8000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 09/14/2017 | | 5.4000 | * | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 12/13/2017 | | 1.4000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 03/12/2018 | ND | 2.0000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 09/10/2018 | | 2.2000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 03/26/2019 | ND | 0.8000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 09/16/2019 | | 1.3000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 03/24/2020 | ND | 0.8000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 09/02/2020 | | 0.7000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 03/08/2021 | | 17.5000 | * | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 09/14/2021 | | 1.9000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 03/28/2022 | | 0.4000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 09/13/2022 | | 2.8000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 03/23/2023 | ND | 0.4000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 09/18/2024 | | 4.9000 | | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 03/11/2025 | | 6.8000 | * | 5.0934 |
| Cobalt, total | ug/L | MW-6A | 09/04/2025 | | 0.5000 | | 5.0934 |
| Barium, total | ug/L | TILE 1 | 06/05/2019 | | 1010.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 07/17/2019 | | 1580.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 09/16/2019 | | 1350.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 03/24/2020 | | 754.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 09/02/2020 | | 2210.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 03/08/2021 | | 1060.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 09/14/2021 | | 1940.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 03/28/2022 | | 774.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 09/13/2022 | | 2660.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 03/23/2023 | | 953.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 09/05/2023 | | 2510.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 03/06/2024 | | 2250.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 09/18/2024 | | 2340.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 03/10/2025 | | 739.0000 | * | 709.8041 |
| Barium, total | ug/L | TILE 1 | 09/04/2025 | | 1990.0000 | * | 709.8041 |

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

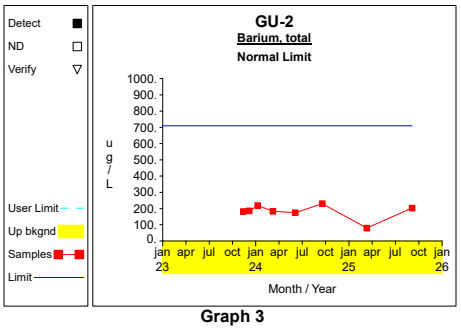
# Up vs. Down Prediction Limits



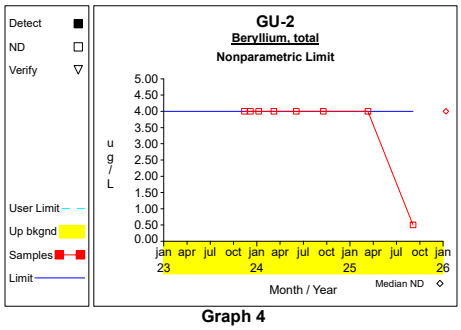

Graph 1



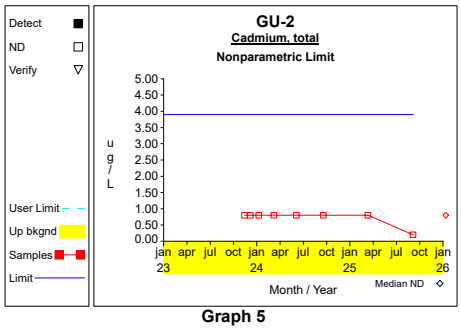

Graph 2



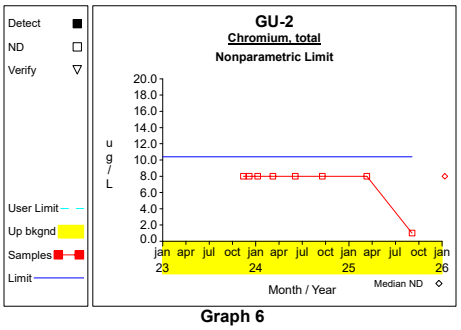

Graph 3



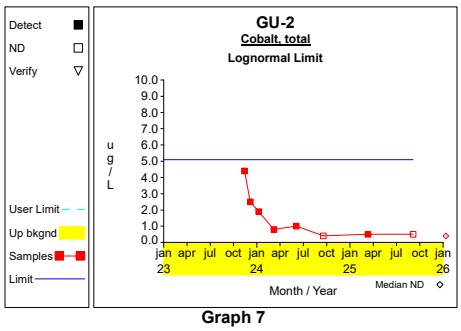

Graph 4



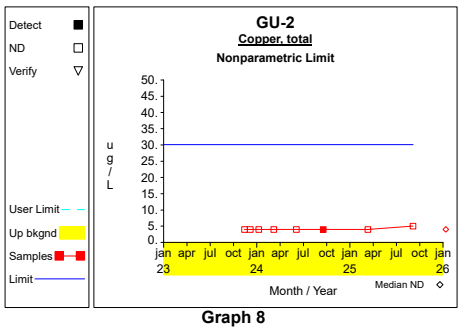

Graph 5



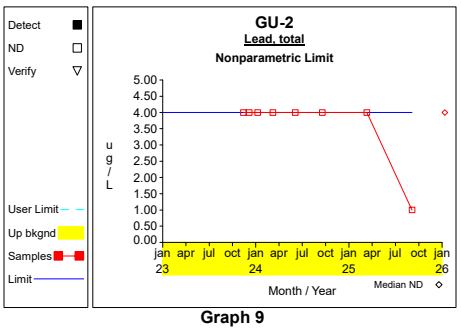

Graph 6



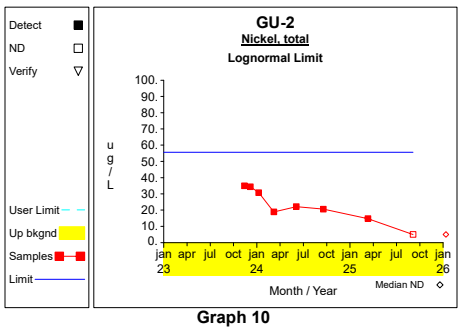

Graph 7



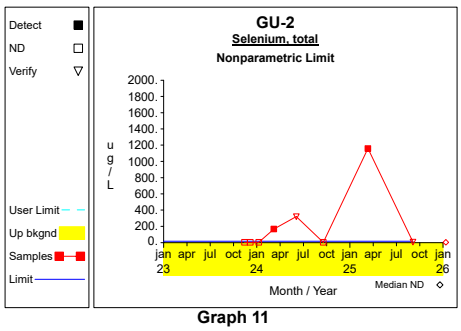

Graph 8



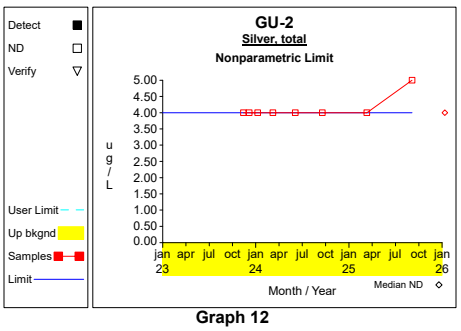

Graph 9



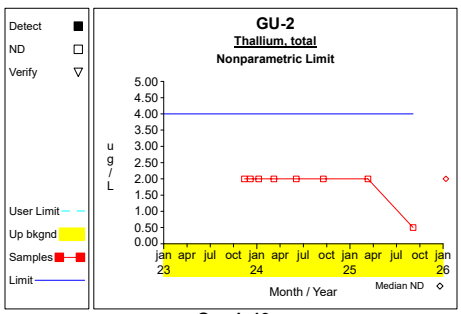

Graph 10



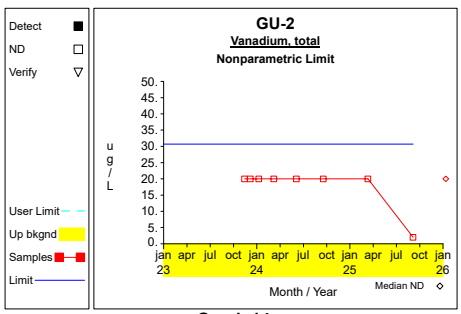

Graph 11



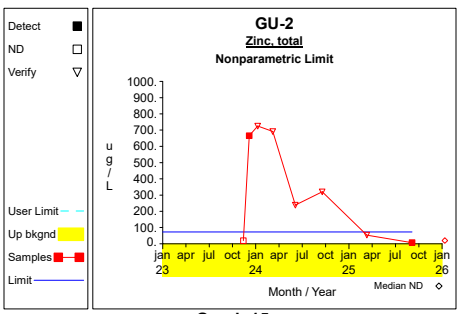

Graph 12




Graph 13



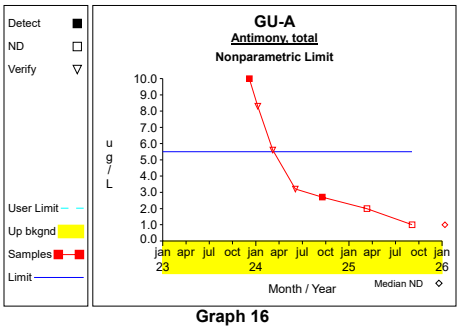

Graph 14



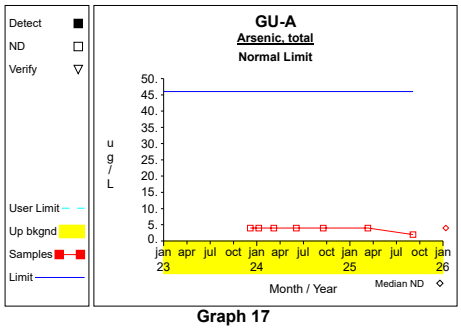

Graph 15

Prepared by: Otter Creek Environmental

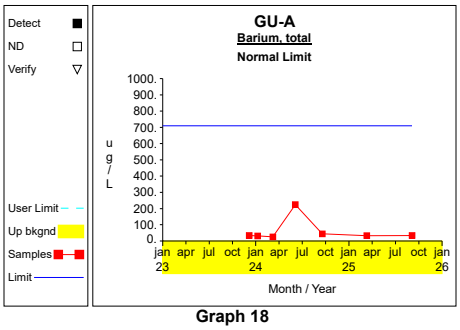
# Up vs. Down Prediction Limits



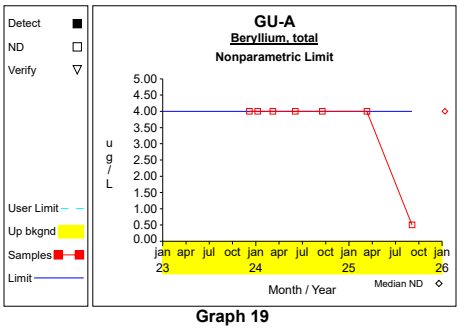

Graph 16



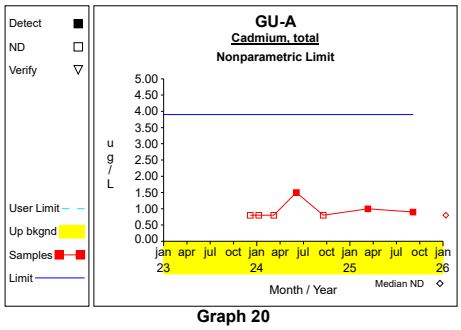

Graph 17



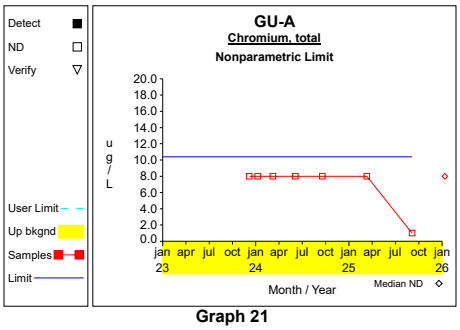

Graph 18



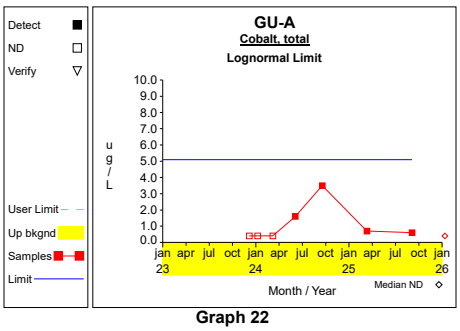

Graph 19



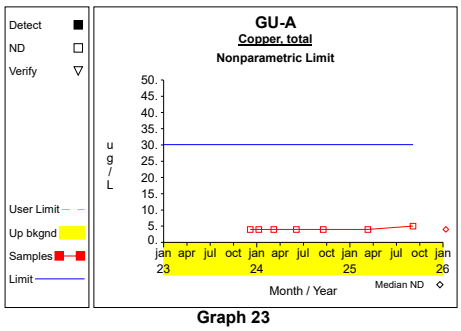

Graph 20



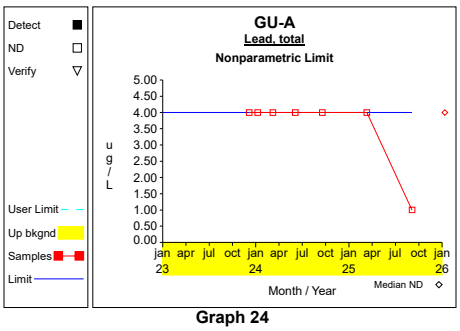

Graph 21



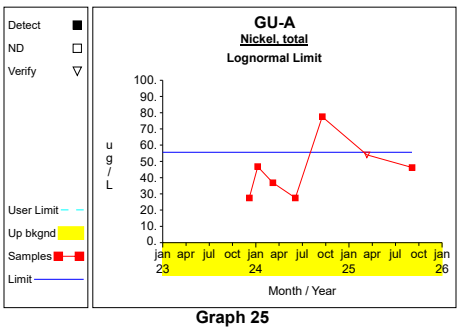

Graph 22



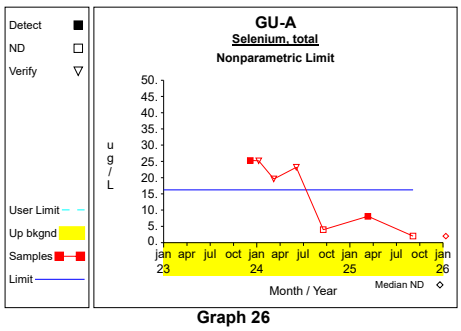

Graph 23



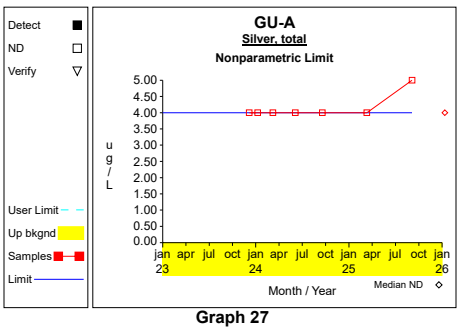

Graph 24



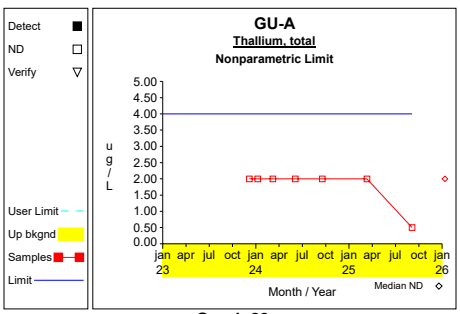

Graph 25



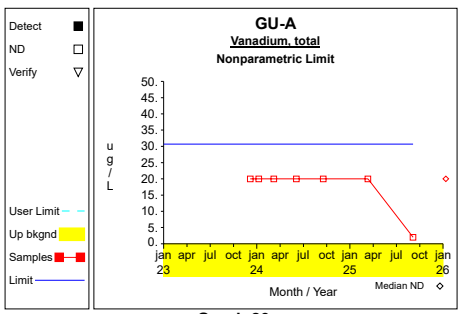

Graph 26



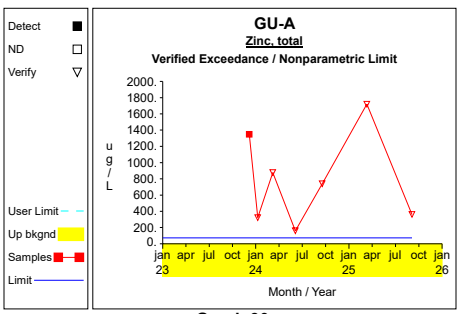

Graph 27




Graph 28




Graph 29




Graph 30

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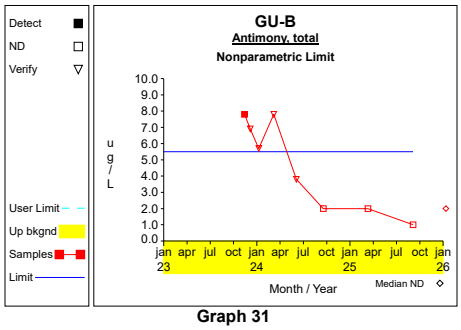
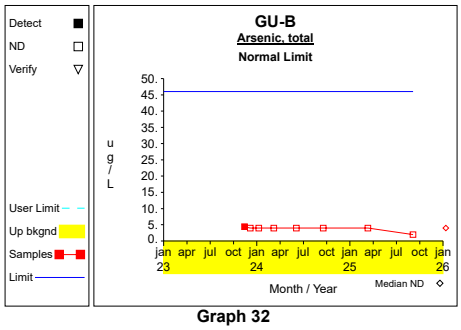
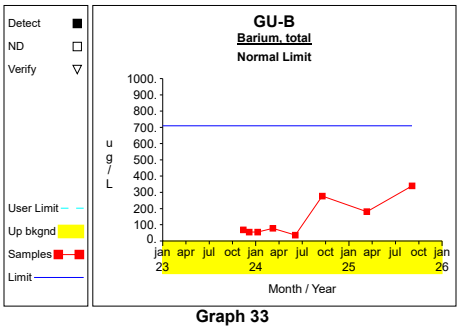
# Up vs. Down Prediction Limits



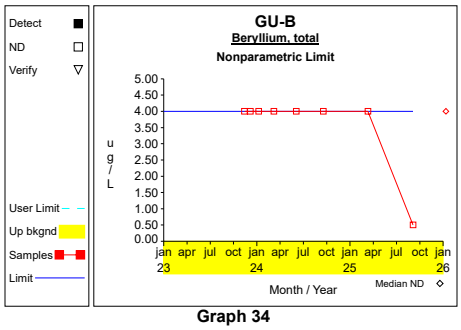

Graph 31



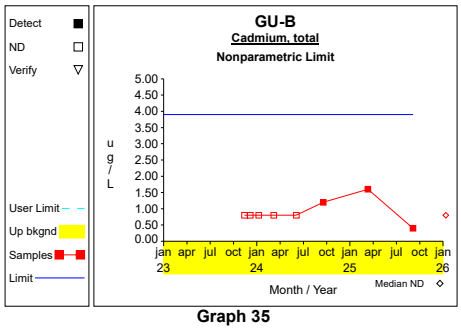

Graph 32



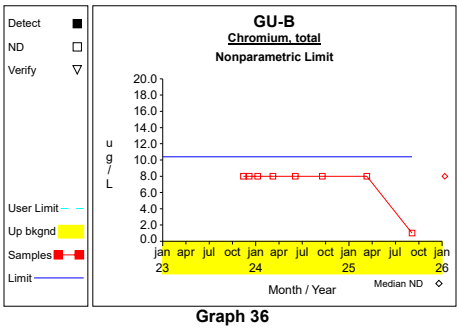

Graph 33



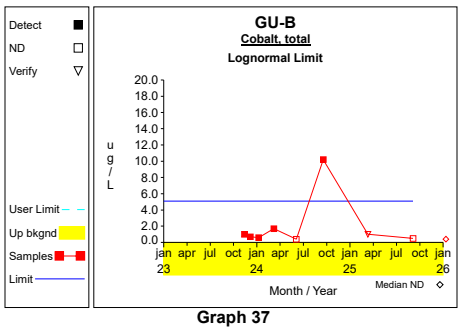

Graph 34



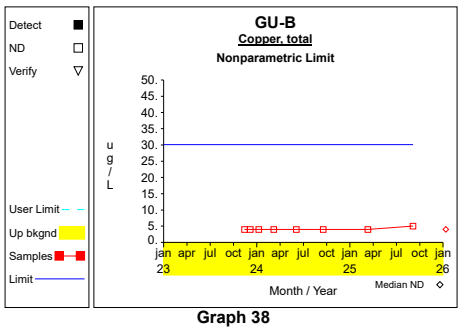

Graph 35



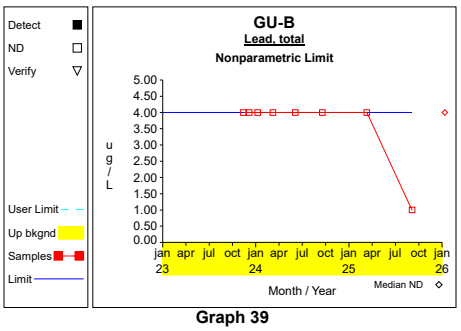

Graph 36



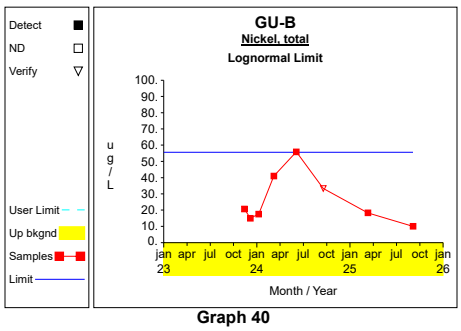

Graph 37



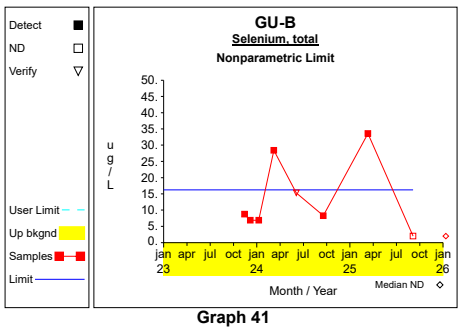

Graph 38



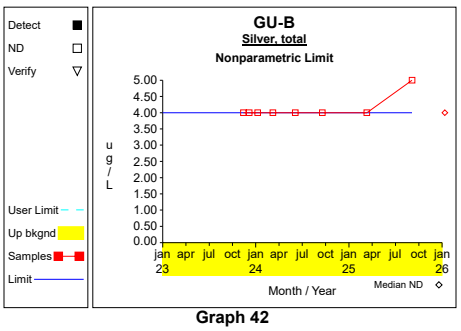

Graph 39



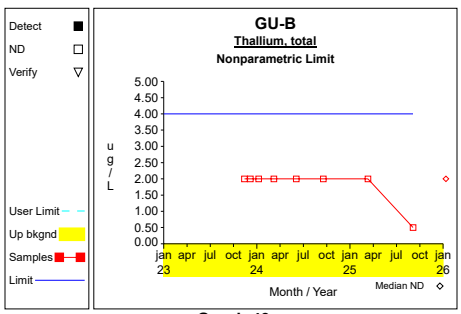

Graph 40



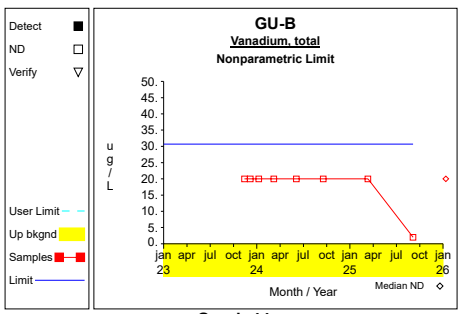

Graph 41



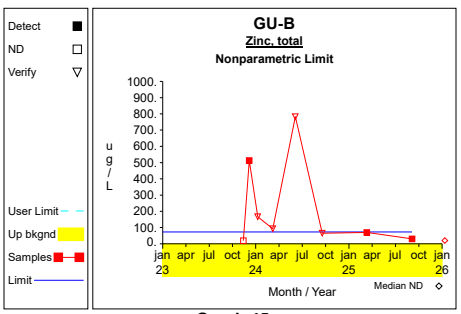

Graph 42




Graph 43




Graph 44




Graph 45

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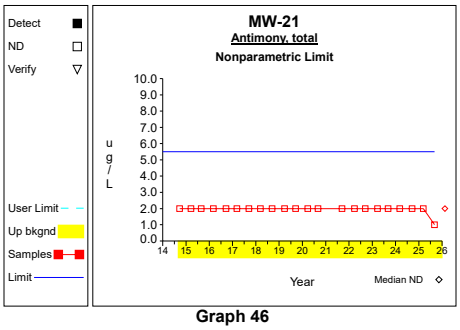
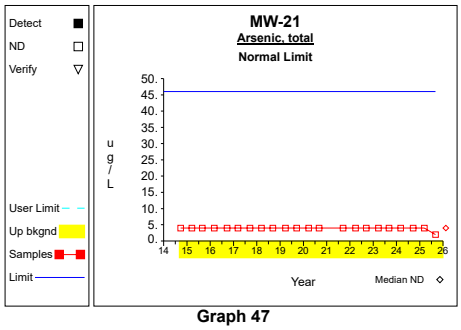
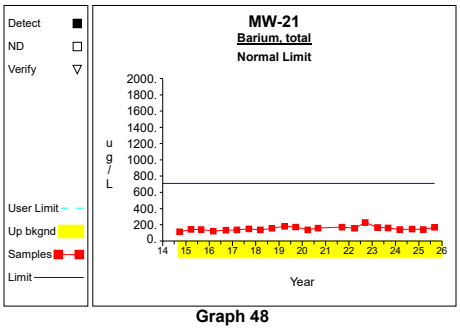
# Up vs. Down Prediction Limits



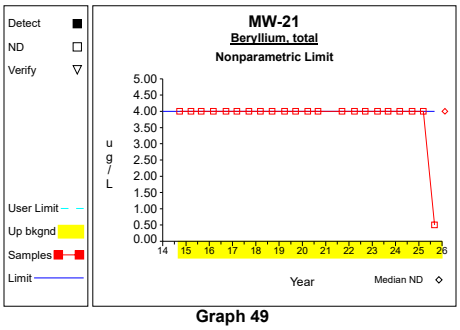

Graph 46



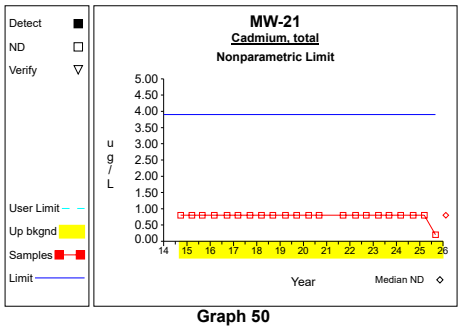

Graph 47



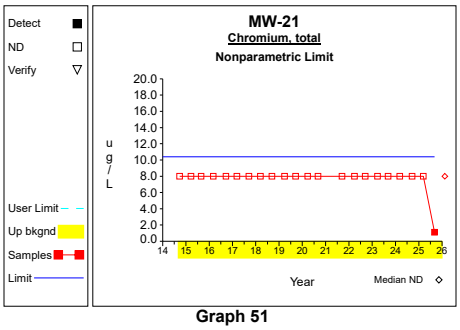

Graph 48



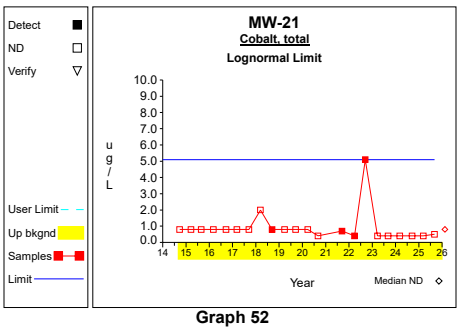

Graph 49



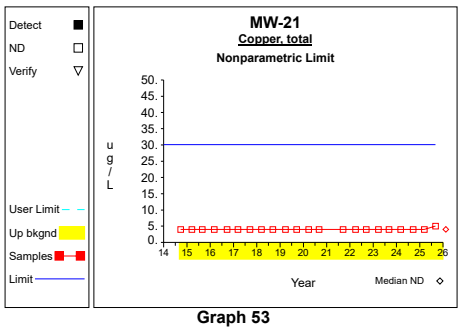

Graph 50



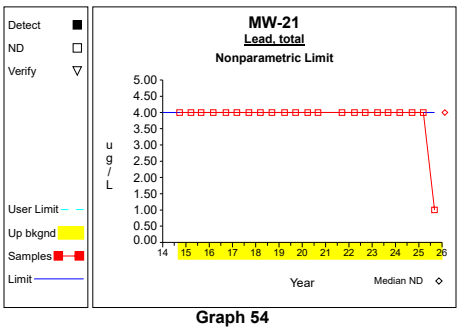

Graph 51



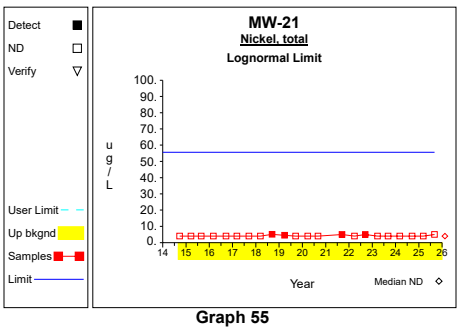

Graph 52



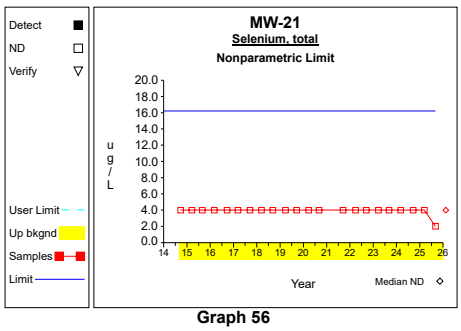

Graph 53



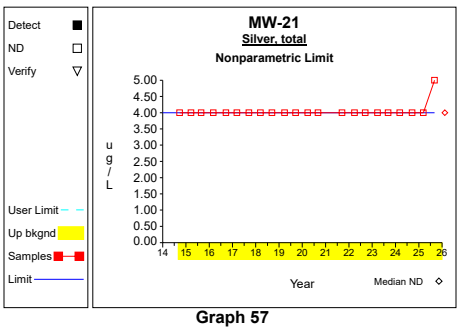

Graph 54



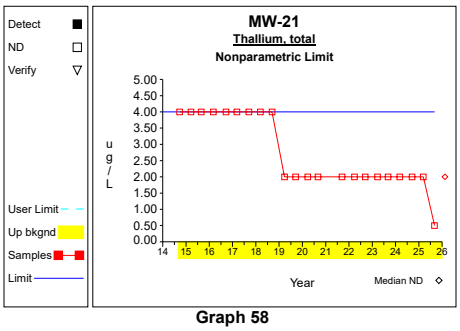

Graph 55



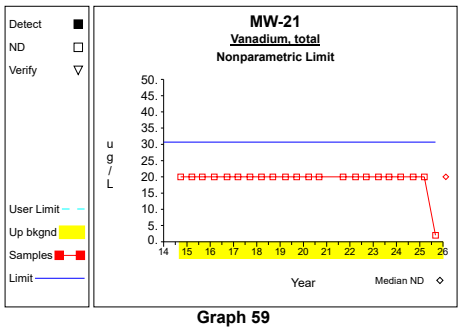

Graph 56



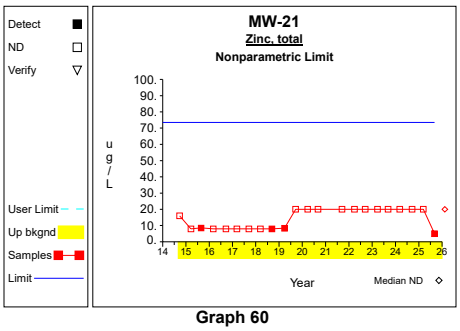

Graph 57




Graph 58




Graph 59




Graph 60

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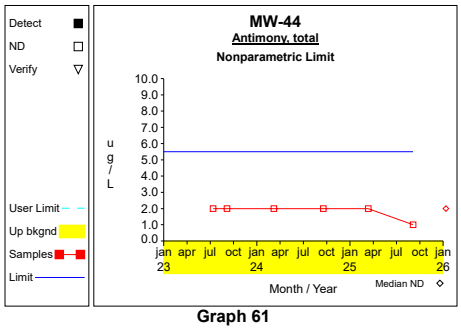
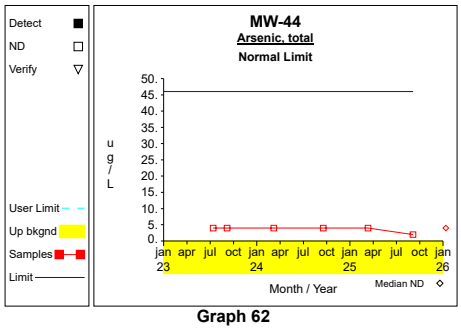
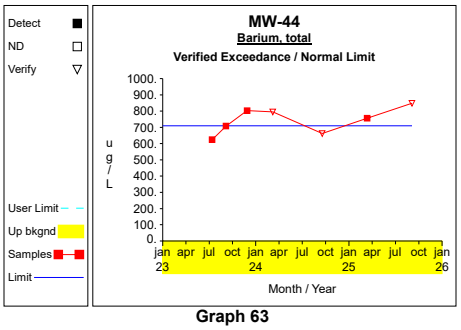
# Up vs. Down Prediction Limits



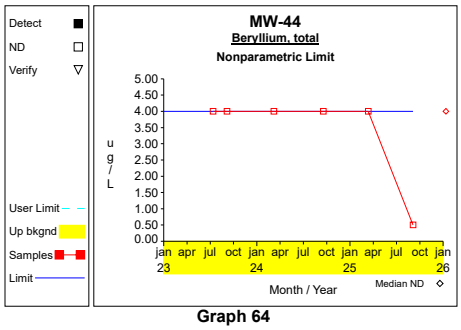

Graph 61



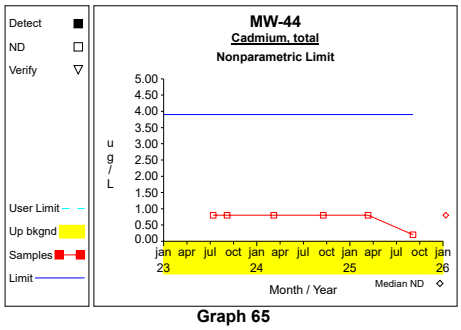

Graph 62



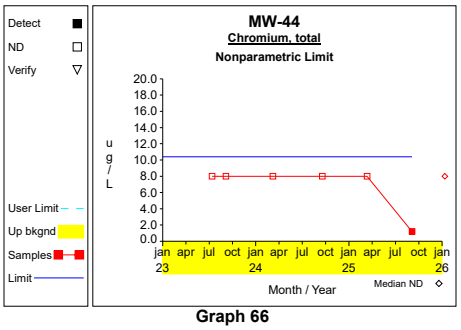

Graph 63



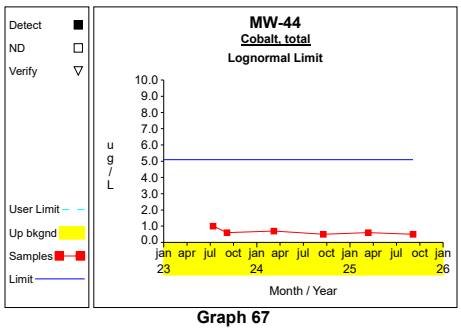

Graph 64



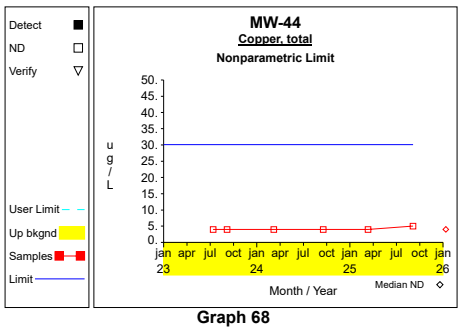

Graph 65



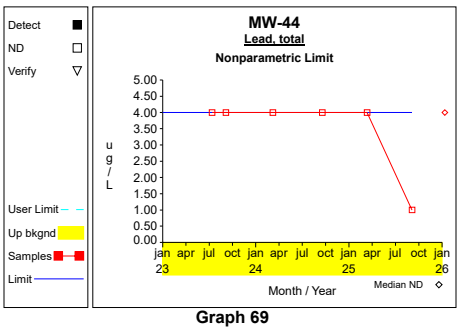

Graph 66



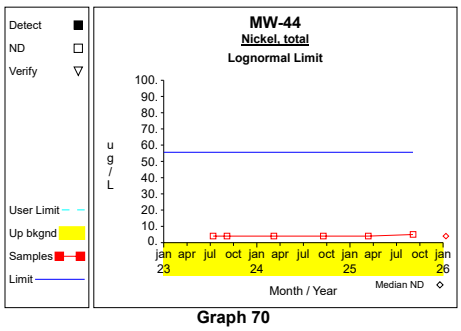

Graph 67



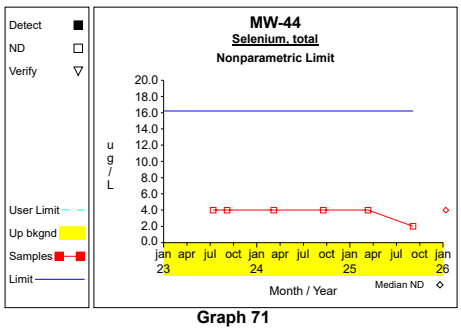

Graph 68




Graph 69




Graph 70

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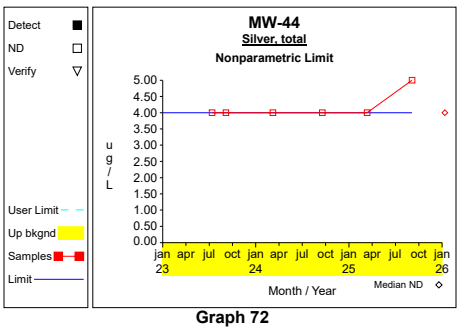
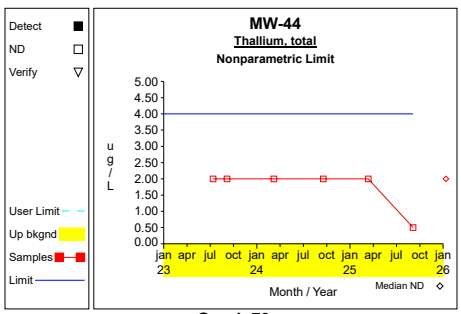



Graph 72

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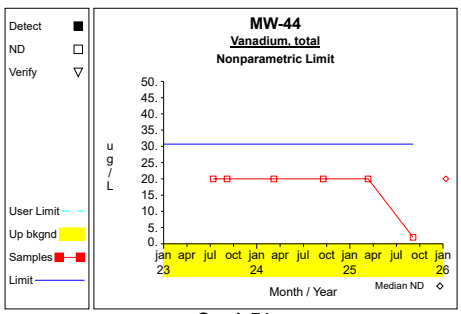
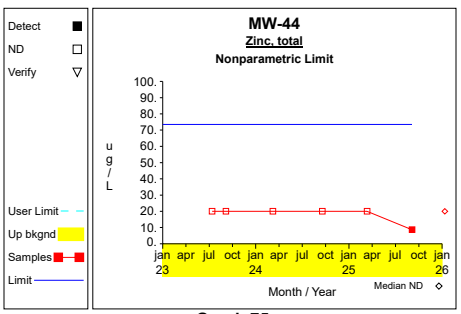



Graph 74




Graph 75

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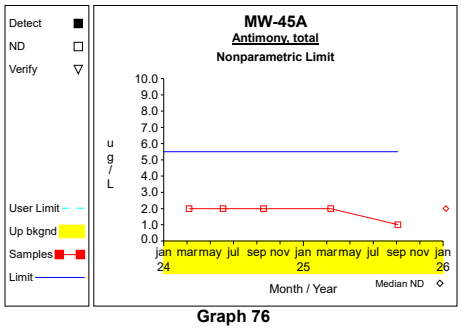
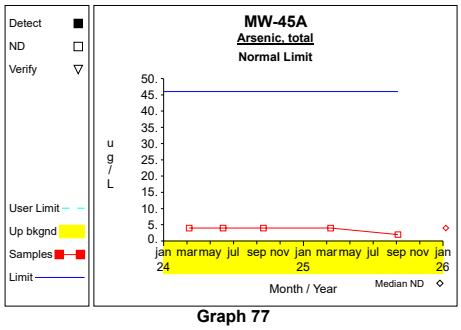
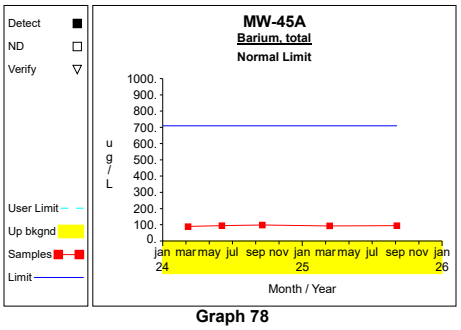
# Up vs. Down Prediction Limits



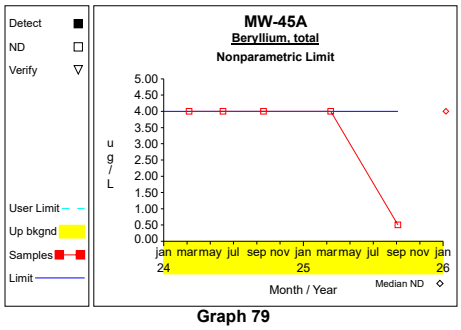

Graph 76



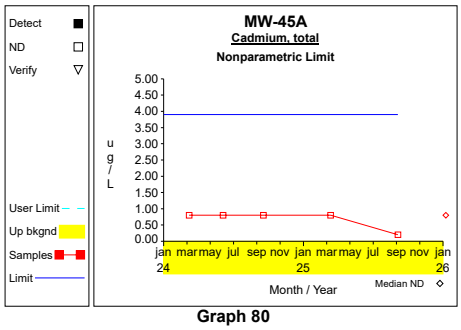

Graph 77



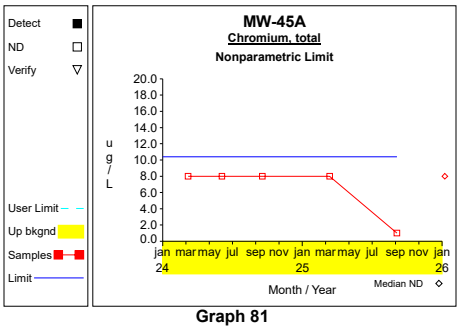

Graph 78



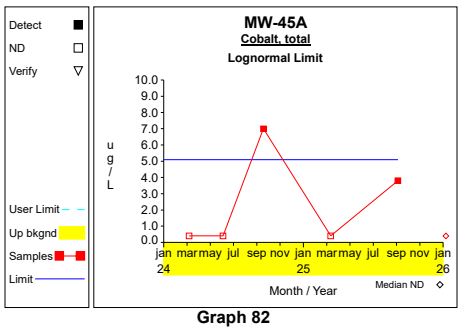

Graph 79




Graph 80




Graph 81

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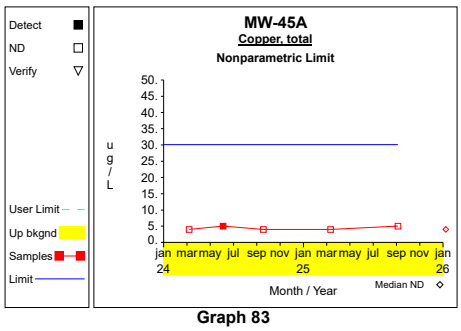


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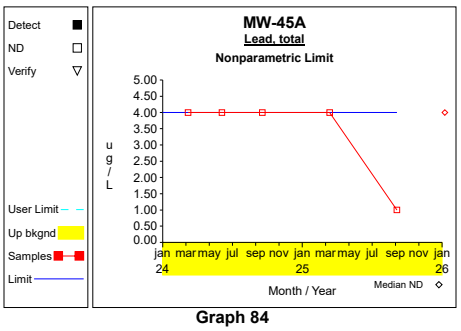


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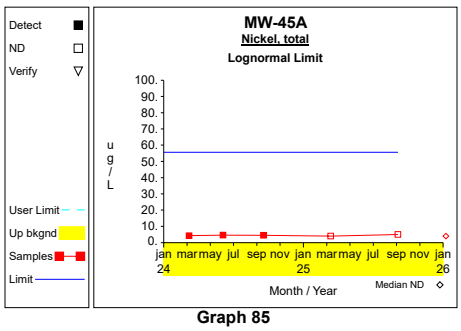


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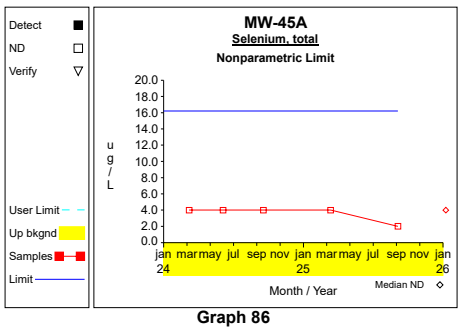


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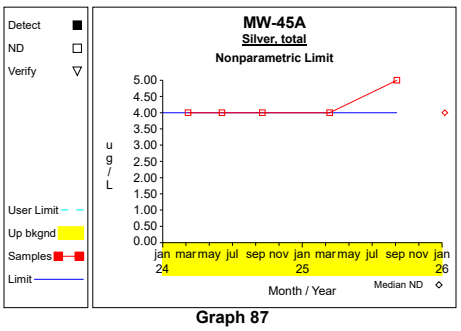


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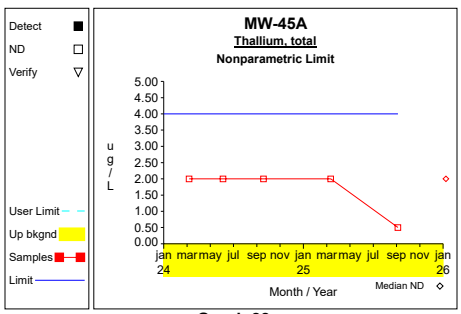


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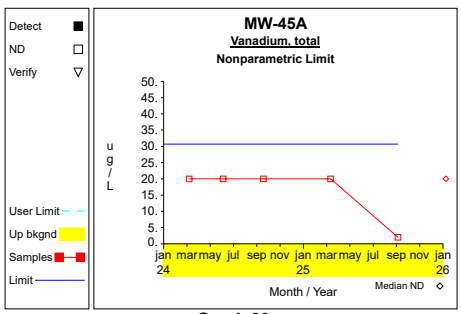


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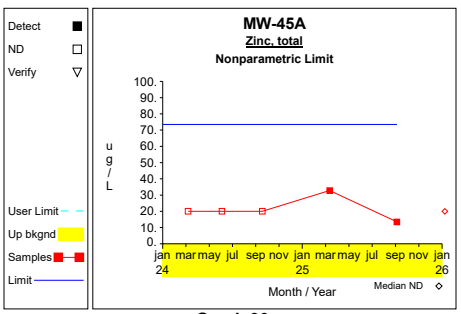


Graph 90

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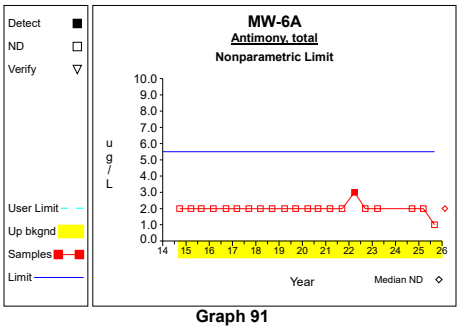
# Up vs. Down Prediction Limits

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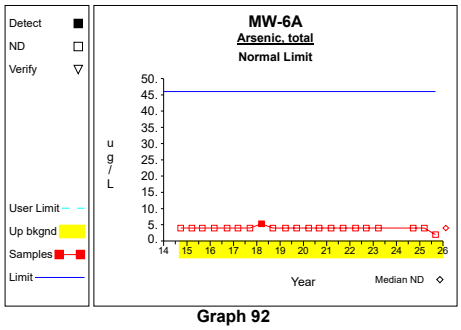


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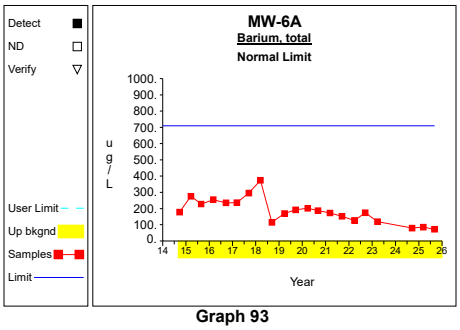


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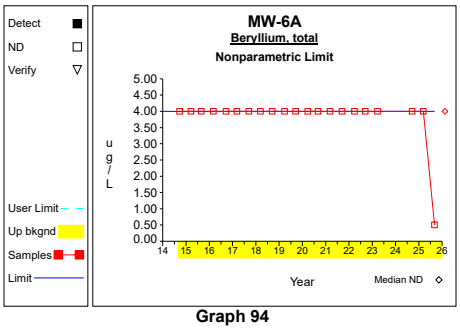


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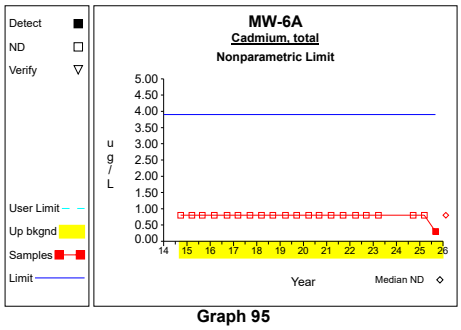


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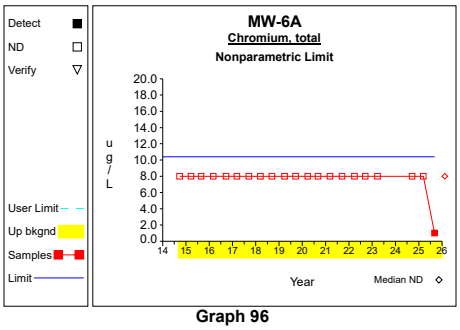


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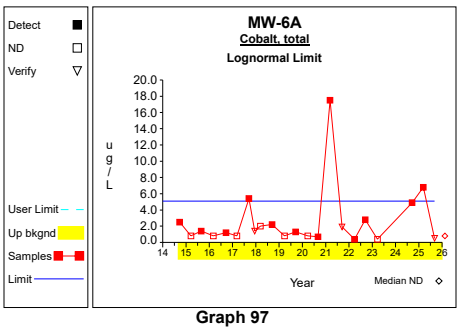


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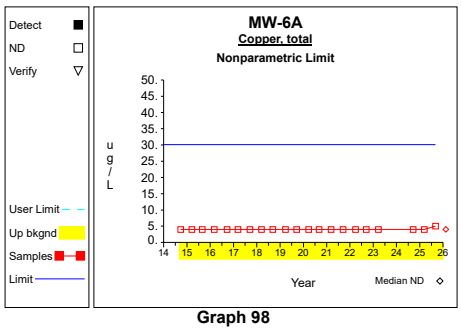


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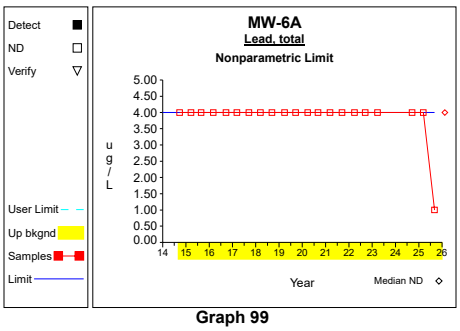


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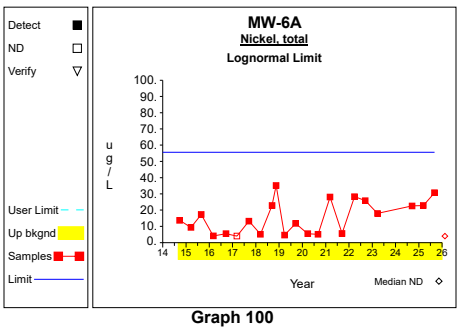


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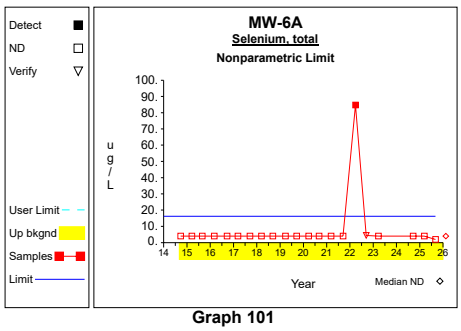
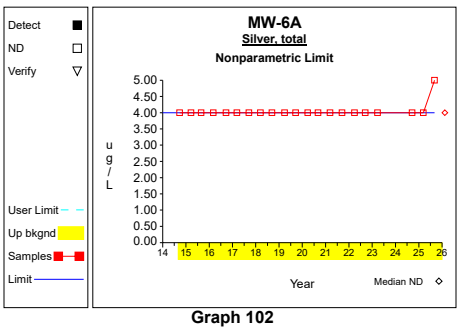



Graph 101

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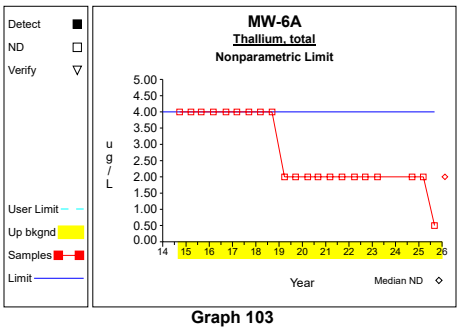


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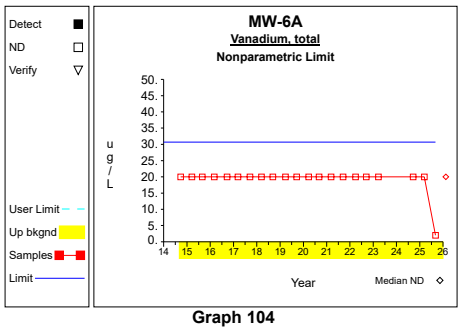


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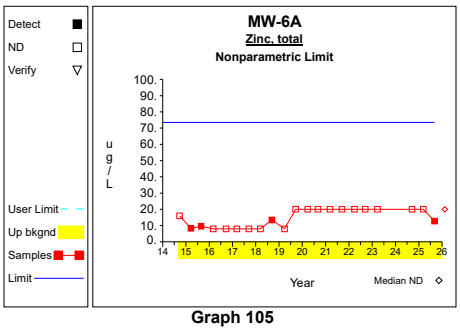


Graph 105

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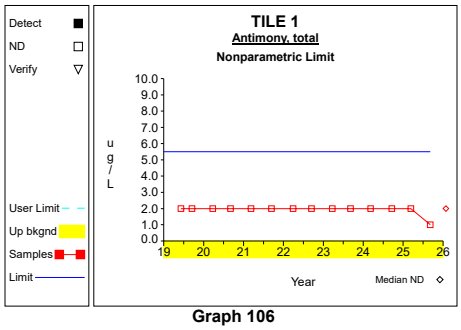
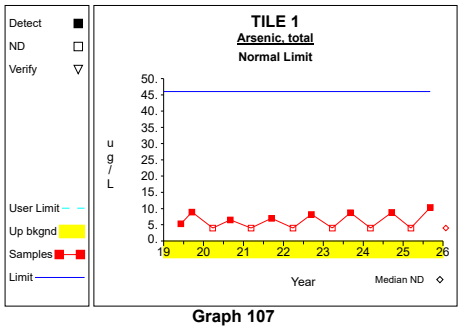
# Up vs. Down Prediction Limits




Graph 106

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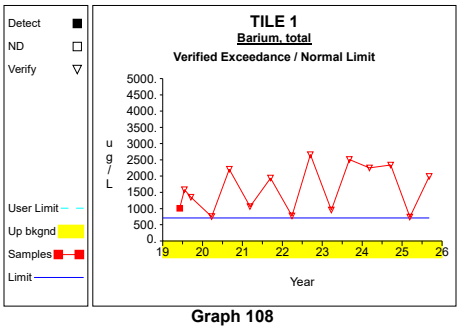


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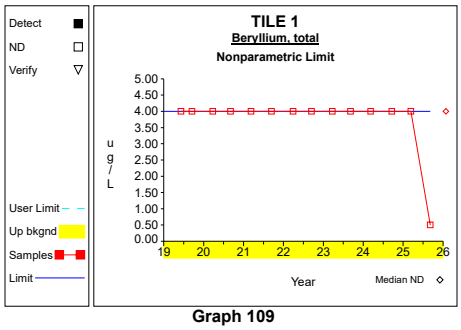


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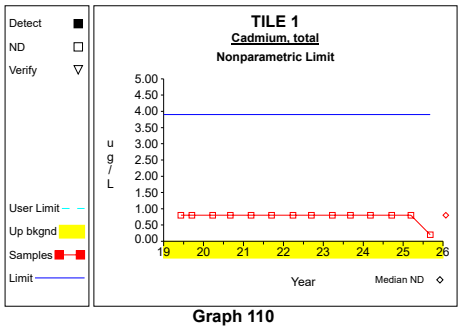


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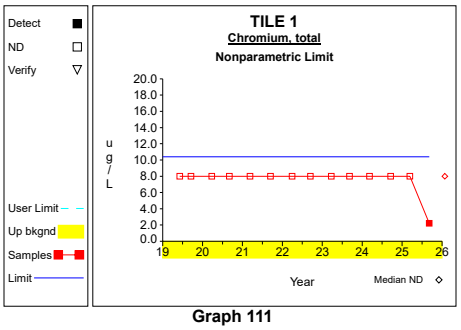


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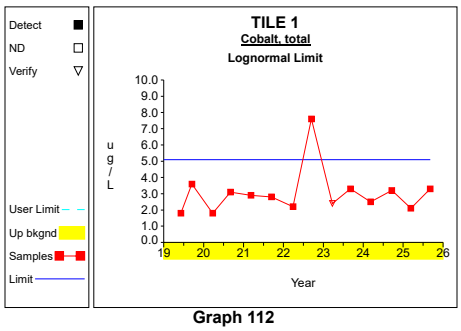
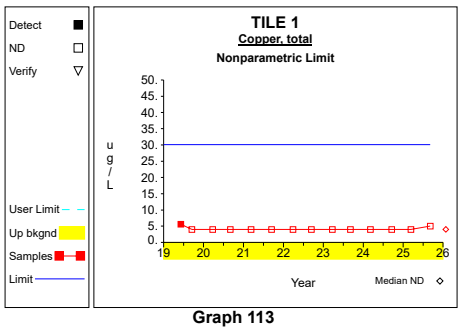
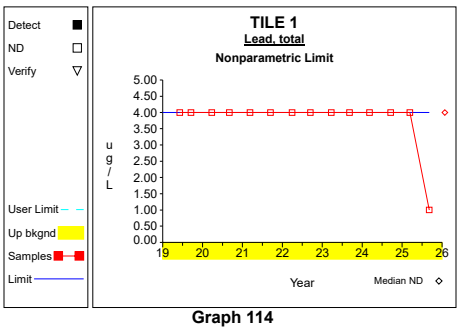


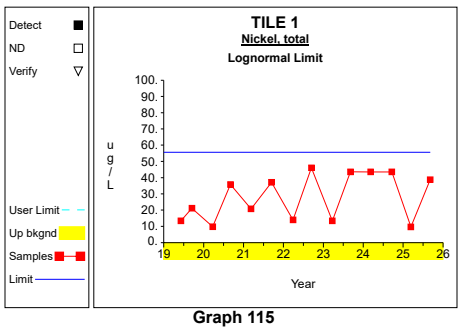

Graph 112




Graph 113




Graph 114

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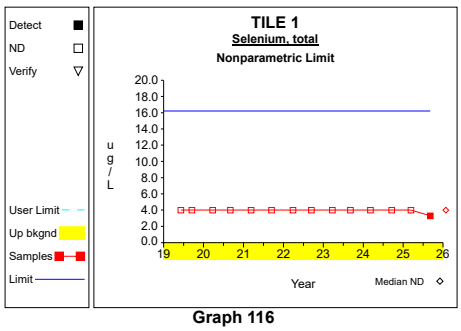
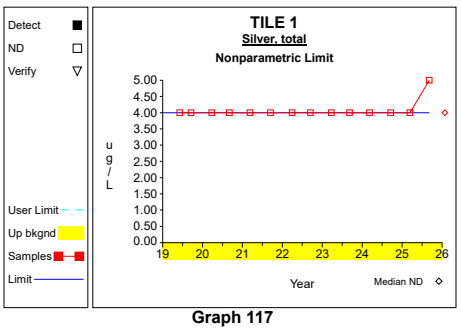



Graph 116

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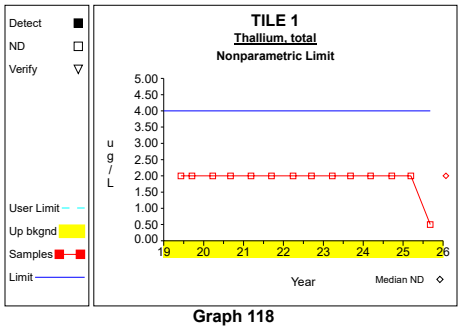


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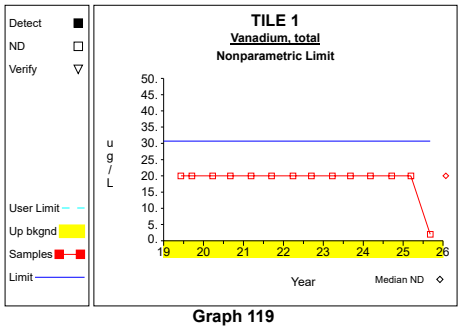


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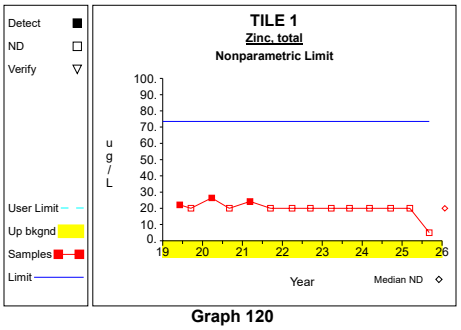


Graph 120

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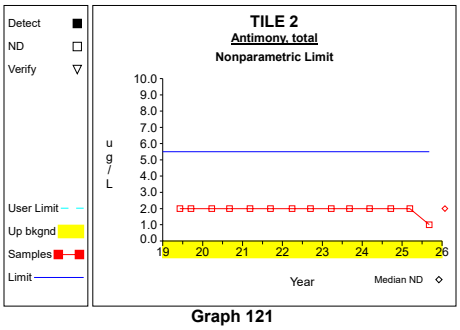
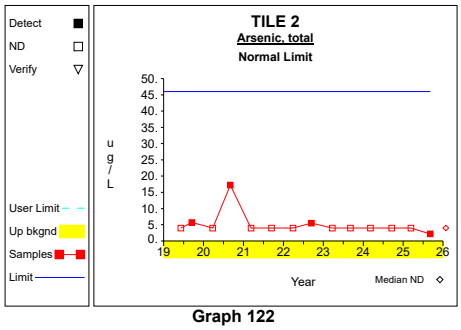
# Up vs. Down Prediction Limits




Graph 121

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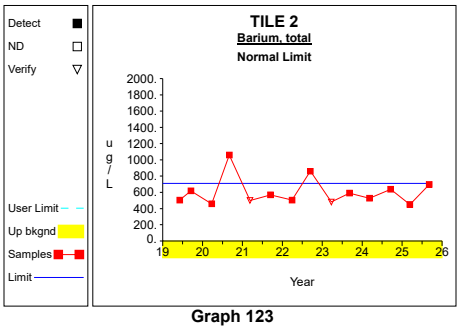


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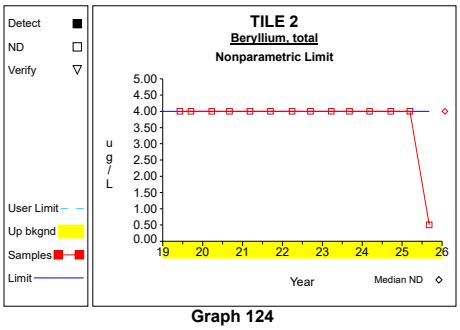
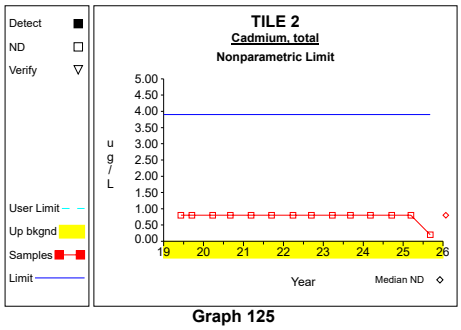
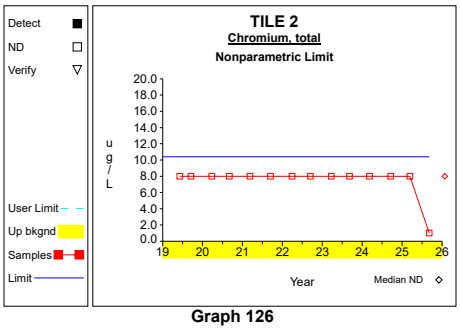


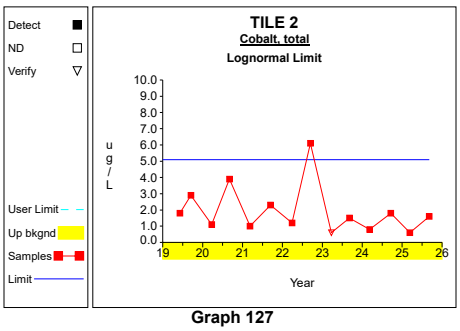

Graph 124



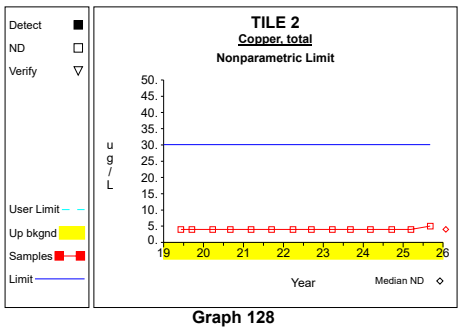

Graph 125




Graph 126




Graph 127

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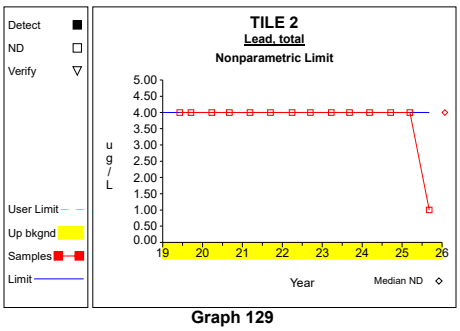
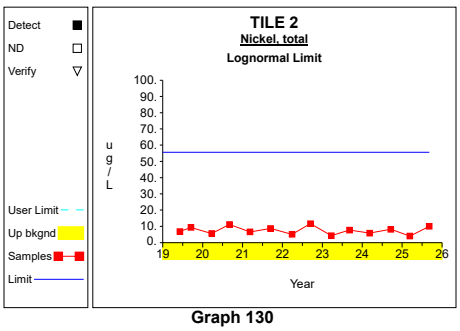
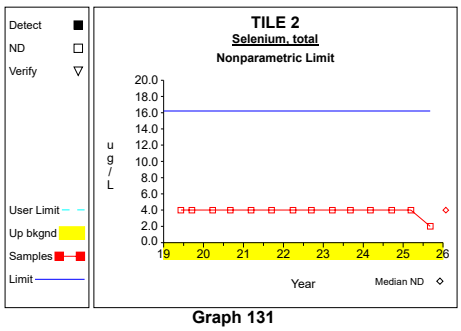


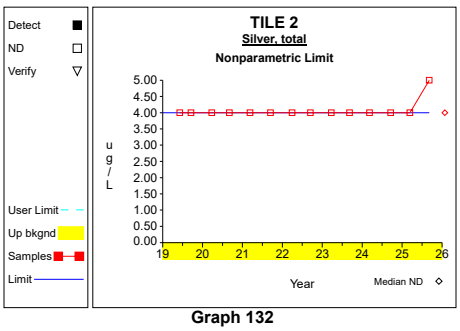

Graph 129



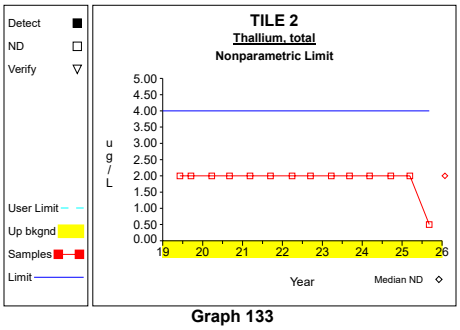

Graph 130



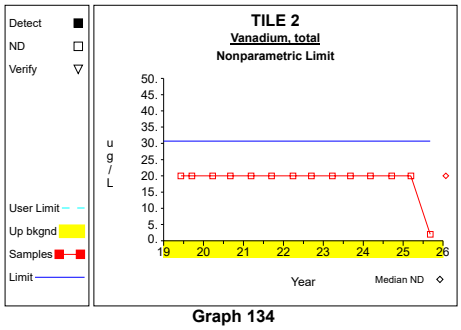

Graph 131



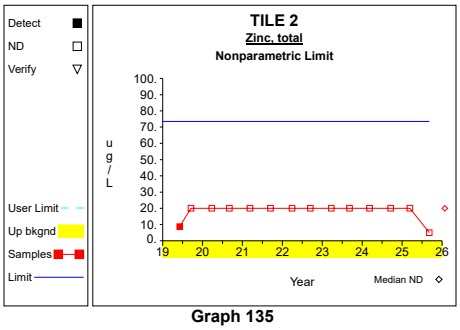

Graph 132




Graph 133




Graph 134

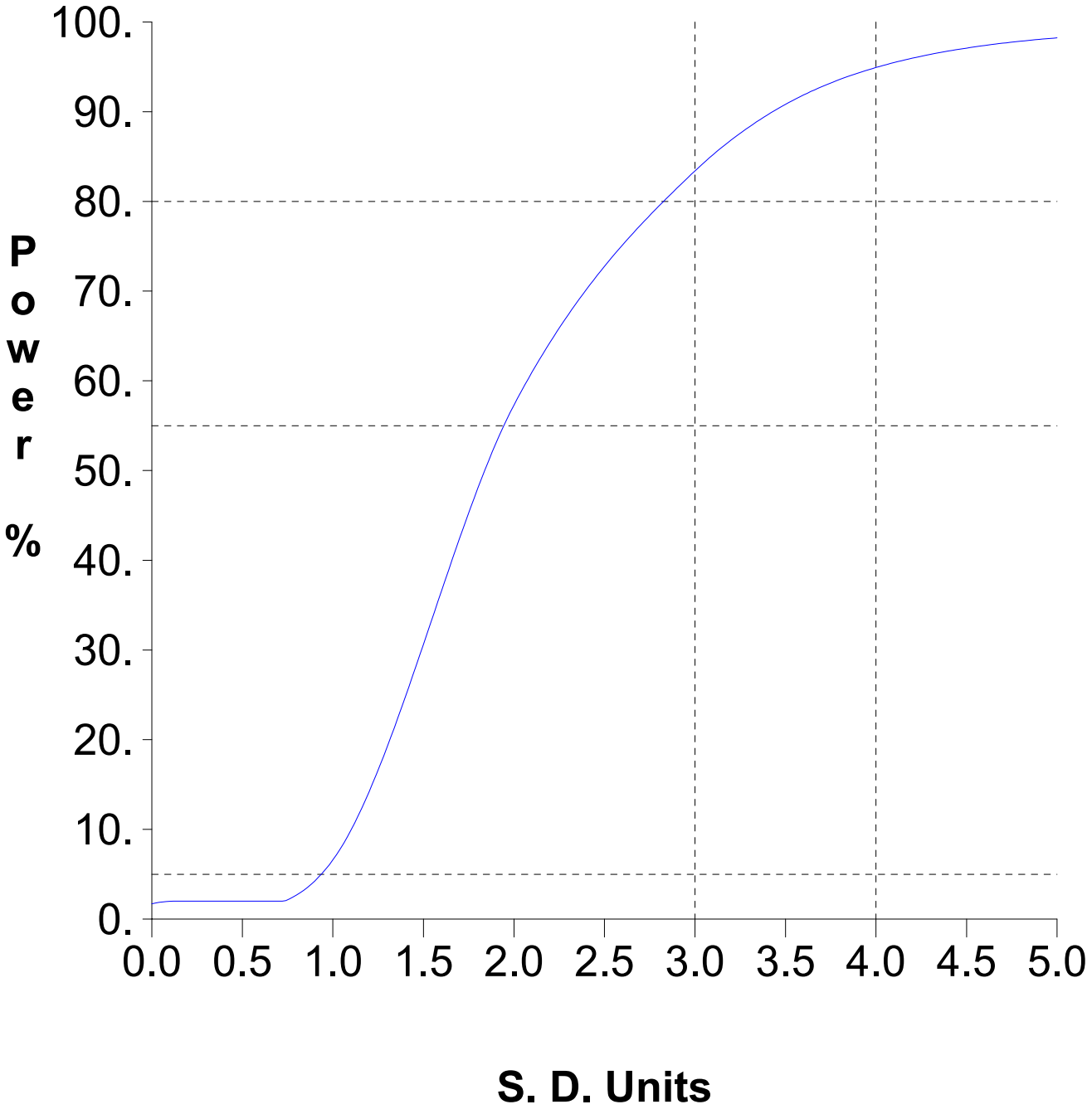



Graph 135

Prepared by: Otter Creek Environmental

# False Positive and False Negative Rates for Current

## Upgradient vs. Downgradient Monitoring Program



**Attachment C**

Assessment Statistics for Verified Trace Metals
Shallow Ground Water

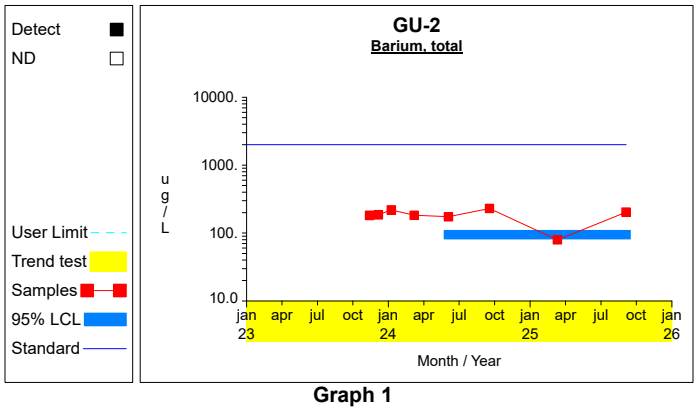
## Table 1

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

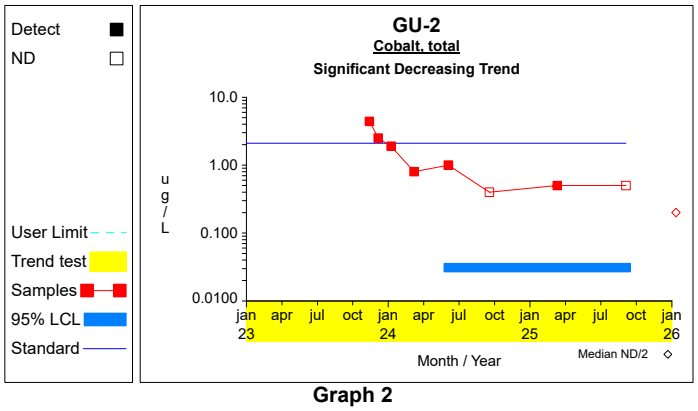
| Constituent | Units | Well | N | Mean | SD | Factor | 95% LCL | 95% UCL | Standard | Trend | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Barium, total | ug/L | GU-2 | 4 | 171.650 | 65.489 | 1.176 | 94.617 | 248.683 | 2000.000 | | |
| Cobalt, total | ug/L | GU-2 | 4 | 0.475 | 0.377 | 1.176 | 0.031 | 0.919 | 2.100 | dec | |
| Selenium, total | ug/L | GU-2 | 4 | 371.875 | 546.159 | 1.176 | 0.000 | 1014.316 | 50.000 | | |
| Zinc, total | ug/L | GU-2 | 4 | 154.725 | 148.550 | 1.176 | 0.000 | 329.463 | 2000.000 | | |
| Barium, total | ug/L | GU-A | 4 | 83.925 | 93.537 | 1.176 | 0.000 | 193.951 | 2000.000 | | |
| Cobalt, total | ug/L | GU-A | 4 | 1.600 | 1.344 | 1.176 | 0.019 | 3.181 | 2.100 | | |
| Selenium, total | ug/L | GU-A | 4 | 8.325 | 10.466 | 1.176 | 0.000 | 20.636 | 50.000 | dec | |
| Zinc, total | ug/L | GU-A | 4 | 745.250 | 692.718 | 1.176 | 0.000 | 1560.086 | 2000.000 | | |
| Barium, total | ug/L | GU-B | 4 | 208.350 | 131.779 | 1.176 | 53.340 | 363.360 | 2000.000 | | |
| Cobalt, total | ug/L | GU-B | 4 | 2.900 | 4.881 | 1.176 | 0.000 | 8.642 | 2.100 | | |
| Selenium, total | ug/L | GU-B | 4 | 14.550 | 13.978 | 1.176 | 0.000 | 30.992 | 50.000 | | |
| Zinc, total | ug/L | GU-B | 4 | 237.275 | 364.240 | 1.176 | 0.000 | 665.727 | 2000.000 | | |
| Barium, total | ug/L | MW-44 | 4 | 765.250 | 78.483 | 1.176 | 672.931 | 857.569 | 2000.000 | | |
| Cobalt, total | ug/L | MW-44 | 4 | 0.575 | 0.096 | 1.176 | 0.462 | 0.688 | 2.100 | | |
| Selenium, total | ug/L | MW-44 | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 50.000 | | |
| Zinc, total | ug/L | MW-44 | 4 | 9.675 | 0.650 | 1.176 | 8.910 | 10.440 | 2000.000 | | |
| Barium, total | ug/L | MW-45A | 4 | 95.200 | 2.609 | 1.176 | 92.131 | 98.269 | 2000.000 | | |
| Cobalt, total | ug/L | MW-45A | 4 | 2.800 | 3.274 | 1.176 | 0.000 | 6.651 | 2.100 | | |
| Selenium, total | ug/L | MW-45A | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 50.000 | | |
| Zinc, total | ug/L | MW-45A | 4 | 16.575 | 10.942 | 1.176 | 3.704 | 29.446 | 2000.000 | | |
| Barium, total | ug/L | MW-6A | 4 | 89.350 | 20.452 | 1.176 | 65.292 | 113.408 | 2000.000 | dec | |
| Cobalt, total | ug/L | MW-6A | 4 | 3.150 | 3.213 | 1.176 | 0.000 | 6.929 | 2.100 | | |
| Selenium, total | ug/L | MW-6A | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 50.000 | | |
| Zinc, total | ug/L | MW-6A | 4 | 10.700 | 1.400 | 1.176 | 9.053 | 12.347 | 2000.000 | | |
| Barium, total | ug/L | TILE 1 | 4 | 1829.750 | 742.155 | 1.176 | 956.762 | 2702.738 | 2000.000 | | |
| Cobalt, total | ug/L | TILE 1 | 4 | 2.775 | 0.574 | 1.176 | 2.100 | 3.450 | 2.100 | | ** |
| Selenium, total | ug/L | TILE 1 | 4 | 2.325 | 0.650 | 1.176 | 1.560 | 3.090 | 50.000 | | |
| Zinc, total | ug/L | TILE 1 | 4 | 10.000 | 0.000 | 1.176 | 10.000 | 10.000 | 2000.000 | | |
| Barium, total | ug/L | TILE 2 | 4 | 578.500 | 110.135 | 1.176 | 448.950 | 708.050 | 2000.000 | | |
| Cobalt, total | ug/L | TILE 2 | 4 | 1.200 | 0.589 | 1.176 | 0.507 | 1.893 | 2.100 | | |
| Selenium, total | ug/L | TILE 2 | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 50.000 | | |
| Zinc, total | ug/L | TILE 2 | 4 | 10.000 | 0.000 | 1.176 | 10.000 | 10.000 | 2000.000 | | |

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

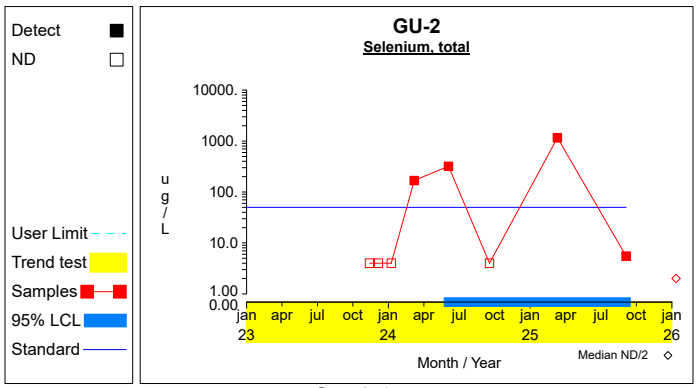
# Confidence Limits (Assessment)



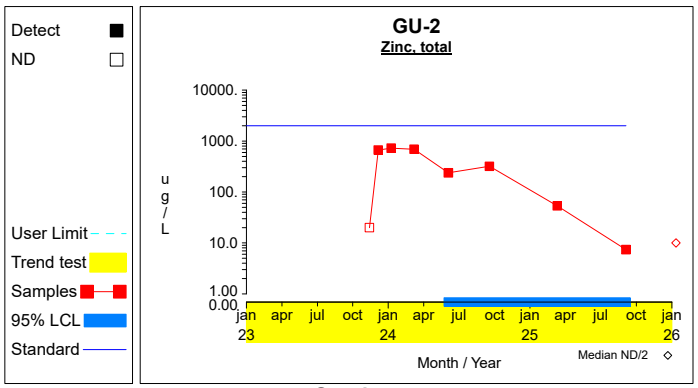

Graph 1



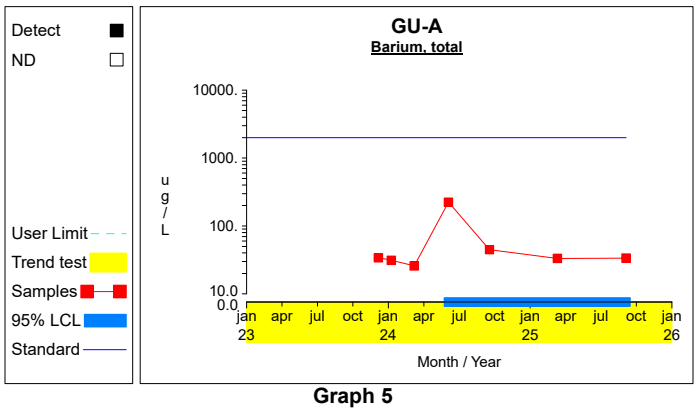

Graph 2



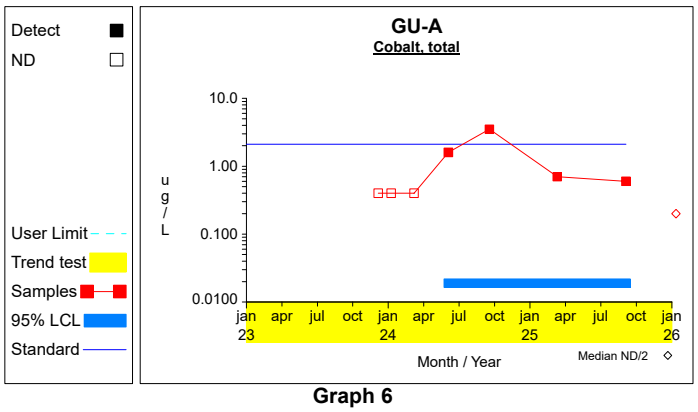

Graph 3



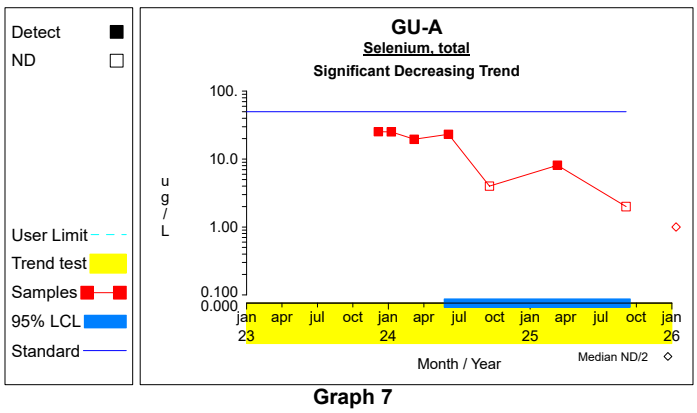

Graph 4



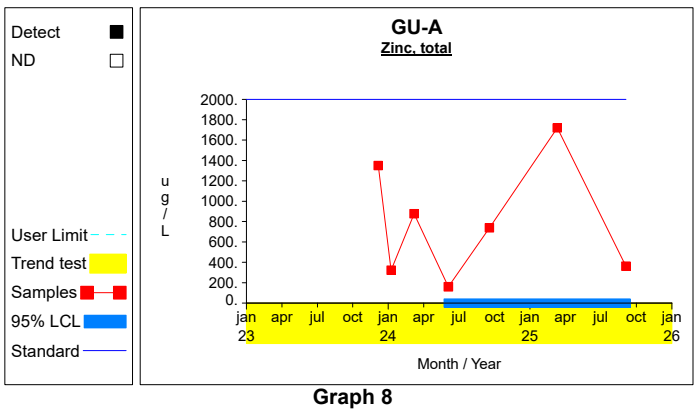

Graph 5




Graph 6



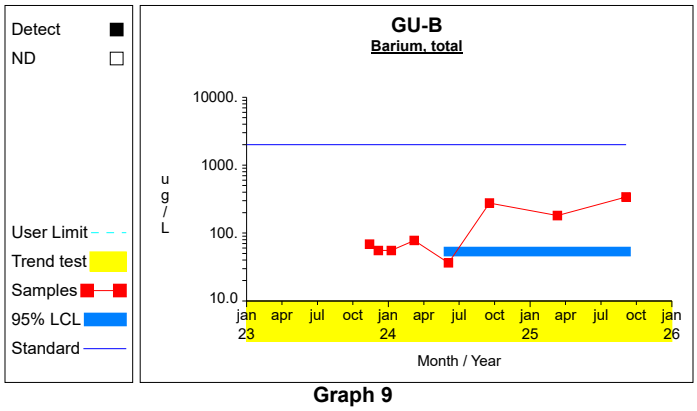

Graph 7



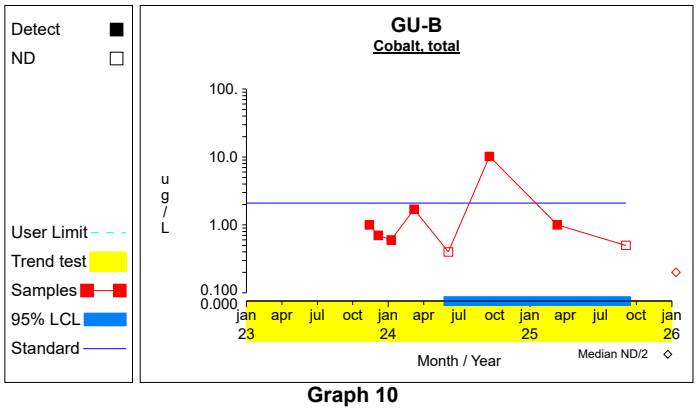

Graph 8

Prepared by: Otter Creek Environmental

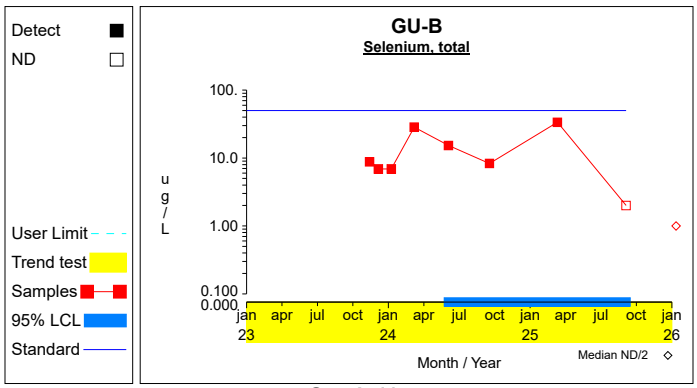
# Confidence Limits (Assessment)



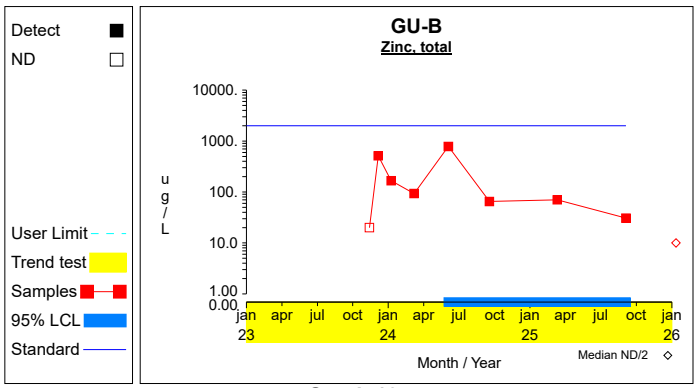

Graph 9



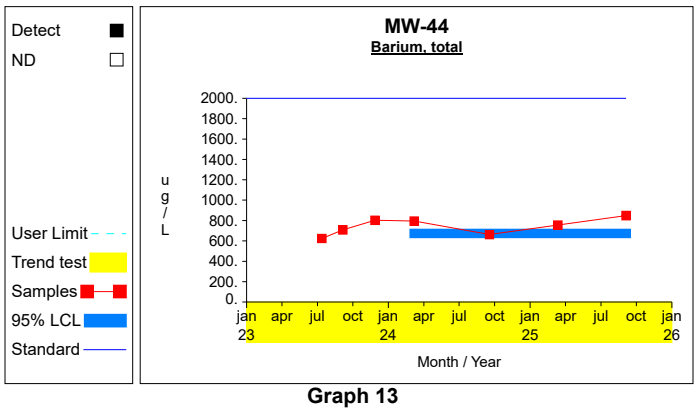

Graph 10



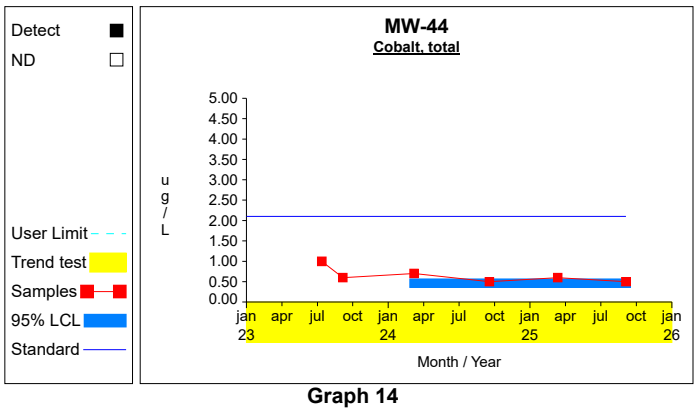

Graph 11



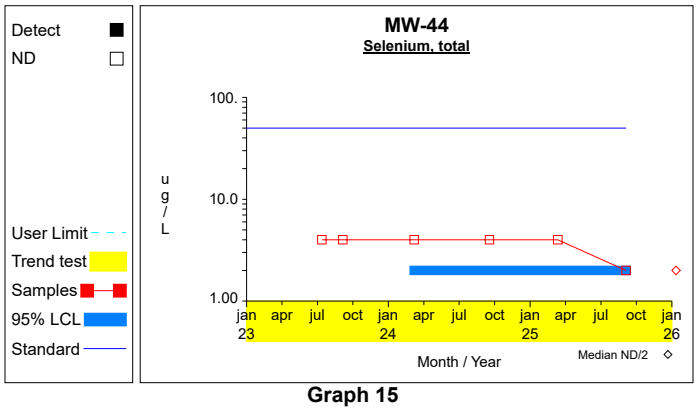

Graph 12



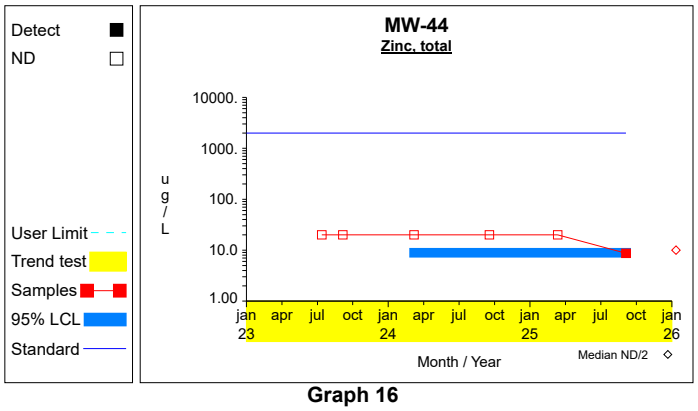

Graph 13




Graph 14



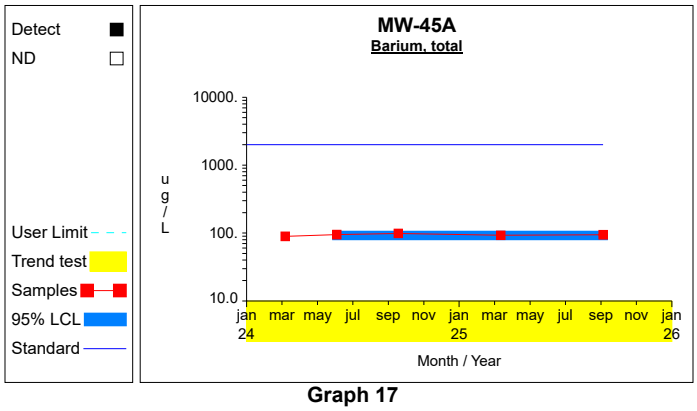

Graph 15



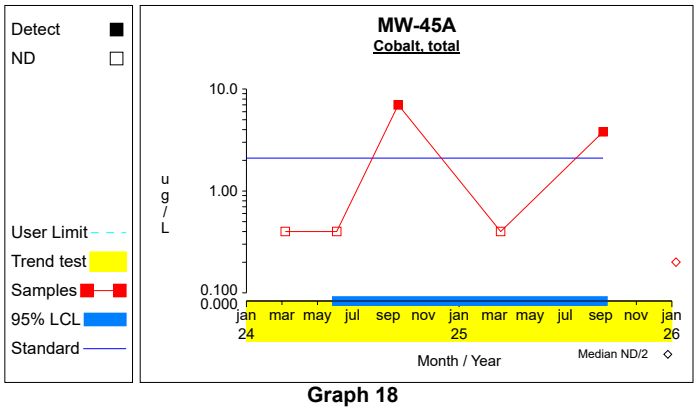

Graph 16

Prepared by: Otter Creek Environmental

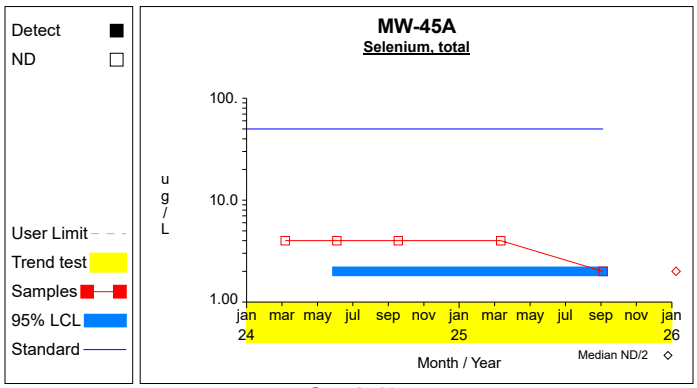
# Confidence Limits (Assessment)



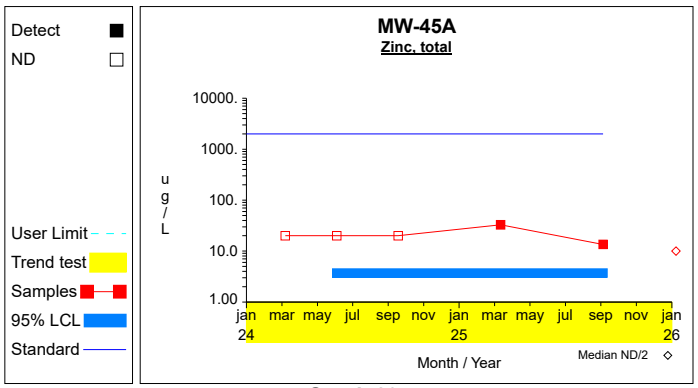

Graph 17



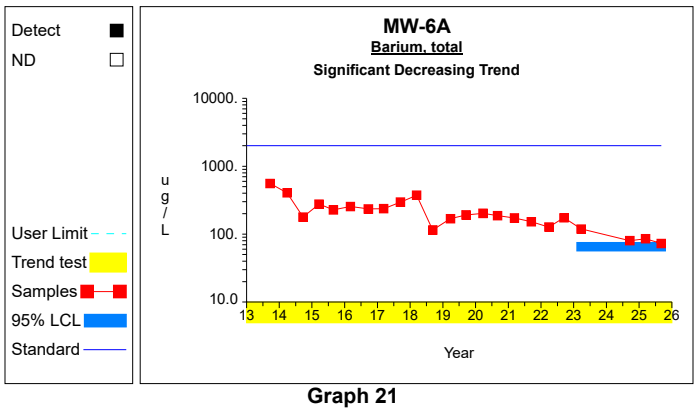

Graph 18



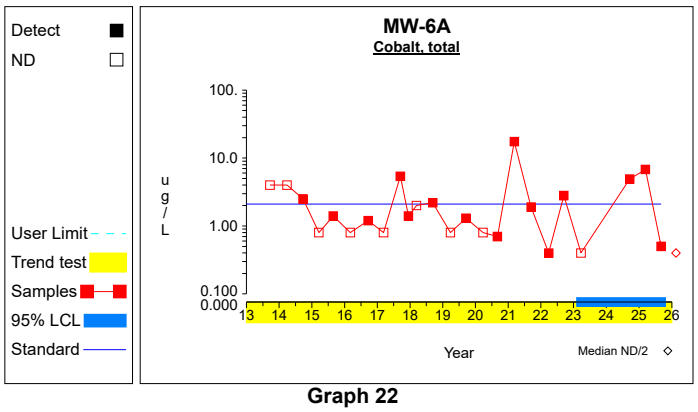

Graph 19



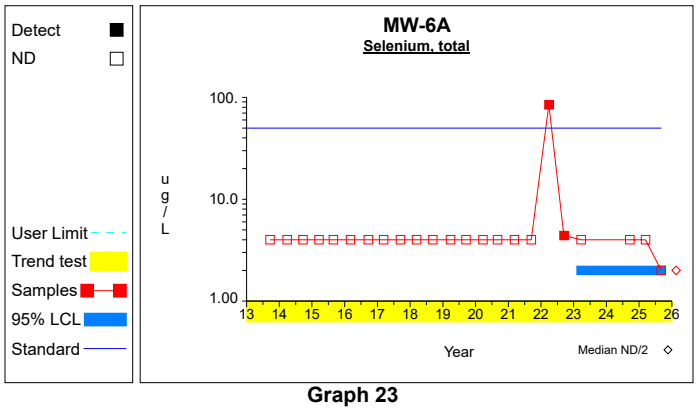

Graph 20



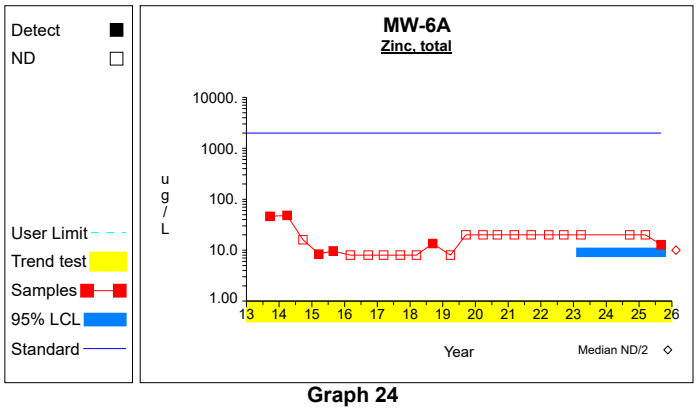

Graph 21




Graph 22



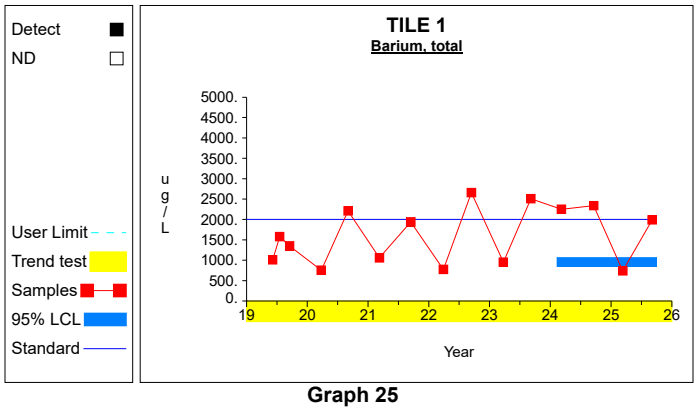

Graph 23



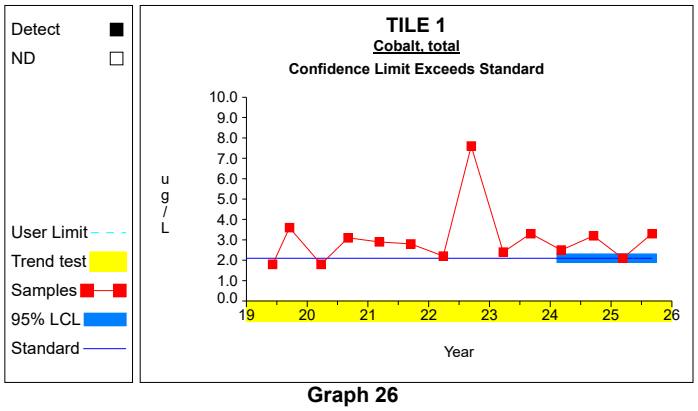

Graph 24

Prepared by: Otter Creek Environmental

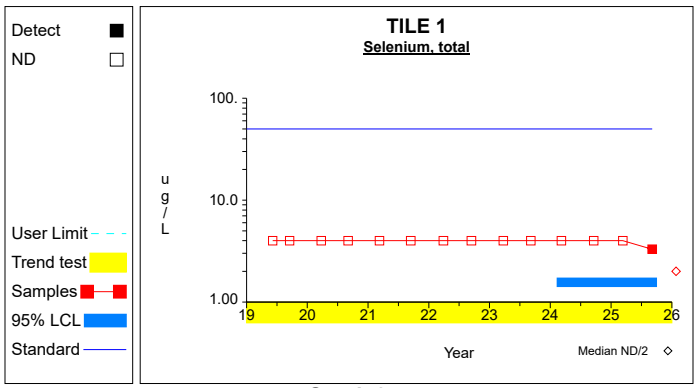
# Confidence Limits (Assessment)



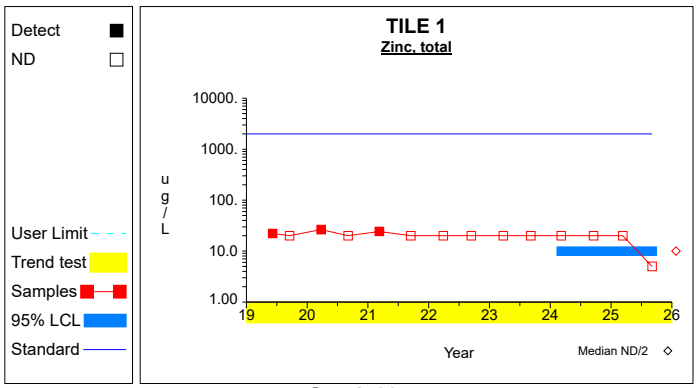

Graph 25



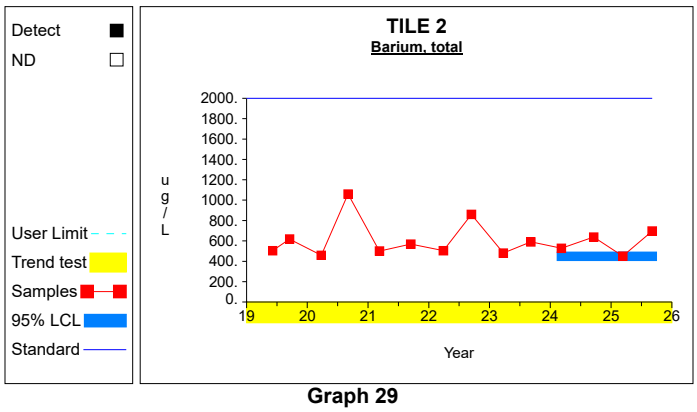

Graph 26



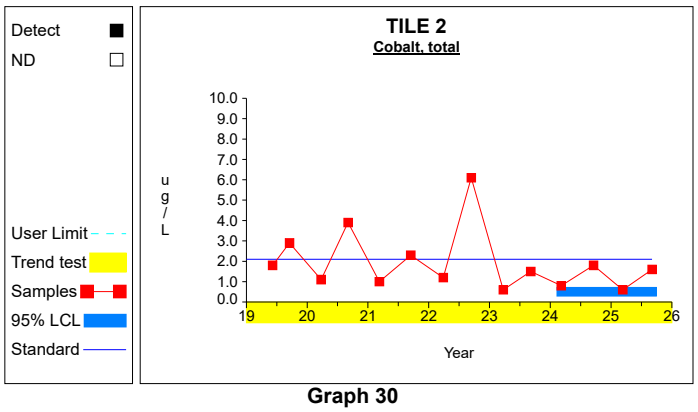

Graph 27



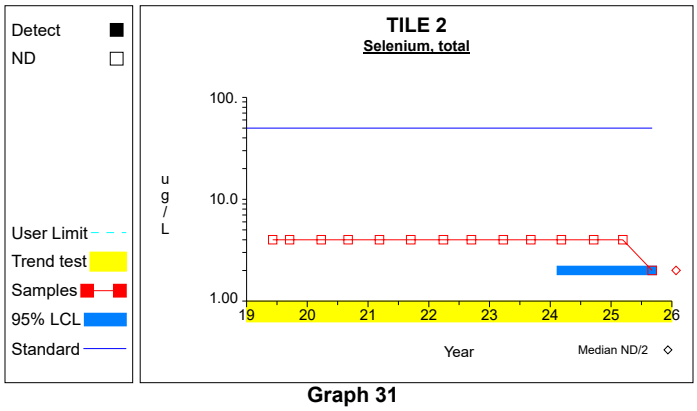

Graph 28



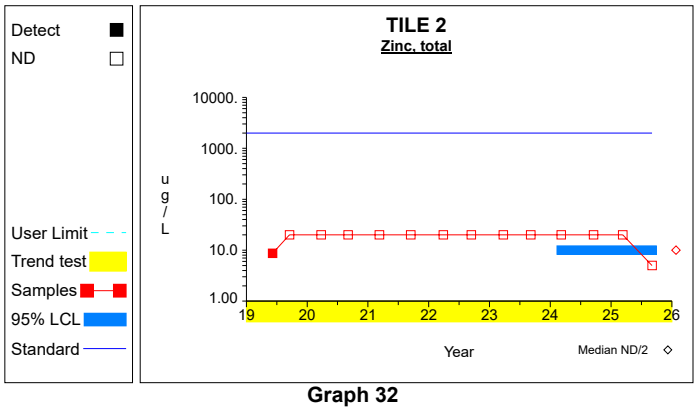

Graph 29




Graph 30




Graph 31




Graph 32

Prepared by: Otter Creek Environmental

**Attachment D**

Summary Tables and Graphs for the Interwell Comparisons
Bedrock Ground Water

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | MW-11C | 09/23/2014 | | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/21/2016 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/09/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/14/2017 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/12/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/10/2018 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/26/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/16/2019 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/24/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/02/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/08/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/14/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/28/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/13/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/23/2023 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/05/2023 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/06/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/18/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 03/11/2025 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-11C | 09/04/2025 | ND | 1.0000 | 2.0000 | ** |
| Arsenic, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-11C | 09/04/2025 | ND | 2.0000 | 4.0000 | ** |
| Barium, total | ug/L | MW-11C | 09/23/2014 | | 130.0000 | | |
| Barium, total | ug/L | MW-11C | 09/21/2016 | | 83.7000 | | |
| Barium, total | ug/L | MW-11C | 03/09/2017 | | 91.5000 | | |
| Barium, total | ug/L | MW-11C | 09/14/2017 | | 75.9000 | | |
| Barium, total | ug/L | MW-11C | 03/12/2018 | | 71.5000 | | |
| Barium, total | ug/L | MW-11C | 09/10/2018 | | 69.9000 | | |
| Barium, total | ug/L | MW-11C | 03/26/2019 | | 70.5000 | | |
| Barium, total | ug/L | MW-11C | 09/16/2019 | | 68.6000 | | |
| Barium, total | ug/L | MW-11C | 03/24/2020 | | 67.8000 | | |
| Barium, total | ug/L | MW-11C | 09/02/2020 | | 58.8000 | | |
| Barium, total | ug/L | MW-11C | 03/08/2021 | | 53.7000 | | |
| Barium, total | ug/L | MW-11C | 09/14/2021 | | 62.3000 | | |
| Barium, total | ug/L | MW-11C | 03/28/2022 | | 53.4000 | | |
| Barium, total | ug/L | MW-11C | 09/13/2022 | | 78.3000 | | |
| Barium, total | ug/L | MW-11C | 03/23/2023 | | 69.2000 | | |
| Barium, total | ug/L | MW-11C | 09/05/2023 | | 72.3000 | | |
| Barium, total | ug/L | MW-11C | 03/06/2024 | | 75.4000 | | |
| Barium, total | ug/L | MW-11C | 09/18/2024 | | 88.4000 | | |
| Barium, total | ug/L | MW-11C | 03/11/2025 | | 81.6000 | | |
| Barium, total | ug/L | MW-11C | 09/04/2025 | | 88.3000 | | |
| Beryllium, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Beryllium, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-11C | 09/04/2025 | ND | 0.5000 | | * |
| Cadmium, total | ug/L | MW-11C | 09/23/2014 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/21/2016 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/09/2017 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/14/2017 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/12/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/10/2018 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/26/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/16/2019 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/24/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/14/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/28/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/13/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/23/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/05/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/06/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/18/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 03/11/2025 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-11C | 09/04/2025 | ND | 0.2000 | | * |
| Chromium, total | ug/L | MW-11C | 09/23/2014 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/21/2016 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/09/2017 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/14/2017 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/12/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/10/2018 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/26/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/16/2019 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/24/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/08/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/14/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/28/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/13/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/23/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/05/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/06/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/18/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 03/11/2025 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-11C | 09/04/2025 | | 1.3000 | | * |
| Cobalt, total | ug/L | MW-11C | 09/23/2014 | | 1.3000 | | |
| Cobalt, total | ug/L | MW-11C | 09/21/2016 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 03/09/2017 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 09/14/2017 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 03/12/2018 | ND | 2.0000 | | * |
| Cobalt, total | ug/L | MW-11C | 09/10/2018 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 03/26/2019 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 09/16/2019 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 03/24/2020 | ND | 0.8000 | 0.4000 | ** |
| Cobalt, total | ug/L | MW-11C | 09/02/2020 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 03/08/2021 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 09/14/2021 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 03/28/2022 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 09/13/2022 | | 3.6000 | | * |
| Cobalt, total | ug/L | MW-11C | 03/23/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 09/05/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 03/06/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 09/18/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 03/11/2025 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-11C | 09/04/2025 | ND | 0.5000 | 0.4000 | ** |
| Copper, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Copper, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-11C | 09/04/2025 | | 8.1000 | | |
| Lead, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-11C | 09/04/2025 | ND | 1.0000 | | * |
| Nickel, total | ug/L | MW-11C | 09/23/2014 | | 9.5000 | | |
| Nickel, total | ug/L | MW-11C | 09/21/2016 | | 4.9000 | | |
| Nickel, total | ug/L | MW-11C | 03/09/2017 | | 5.9000 | | |
| Nickel, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-11C | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Selenium, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-11C | 09/04/2025 | ND | 2.0000 | 4.0000 | ** |
| Silver, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Silver, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/26/2019 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/16/2019 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/24/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/28/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/13/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/23/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/05/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/06/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 03/11/2025 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-11C | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-11C | 09/23/2014 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 09/21/2016 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 03/09/2017 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 09/14/2017 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 03/12/2018 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 09/10/2018 | ND | 4.0000 | 2.0000 | ** |
| Thallium, total | ug/L | MW-11C | 03/26/2019 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/16/2019 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/24/2020 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/02/2020 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/08/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/14/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/28/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/13/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/23/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/05/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/06/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/18/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 03/11/2025 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-11C | 09/04/2025 | ND | 0.5000 | | * |
| Vanadium, total | ug/L | MW-11C | 09/23/2014 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/21/2016 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/09/2017 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/14/2017 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/12/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/10/2018 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/26/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/16/2019 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/24/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/02/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/14/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/28/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/13/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/23/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/05/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/06/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 03/11/2025 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-11C | 09/04/2025 | ND | 2.0000 | | * |
| Zinc, total | ug/L | MW-11C | 09/23/2014 | | 20.7000 | | |
| Zinc, total | ug/L | MW-11C | 09/21/2016 | | 11.9000 | | |
| Zinc, total | ug/L | MW-11C | 03/09/2017 | | 15.8000 | | |
| Zinc, total | ug/L | MW-11C | 09/14/2017 | ND | 8.0000 | 20.0000 | ** |
| Zinc, total | ug/L | MW-11C | 03/12/2018 | ND | 8.0000 | 20.0000 | ** |
| Zinc, total | ug/L | MW-11C | 09/10/2018 | ND | 8.0000 | 20.0000 | ** |
| Zinc, total | ug/L | MW-11C | 03/26/2019 | ND | 8.0000 | 20.0000 | ** |
| Zinc, total | ug/L | MW-11C | 09/16/2019 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 03/24/2020 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/02/2020 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 03/08/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/14/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 03/28/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/13/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 03/23/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/05/2023 | ND | 20.0000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Zinc, total | ug/L | MW-11C | 03/06/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/18/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 03/11/2025 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-11C | 09/04/2025 | | 8.8000 | | |
| Antimony, total | ug/L | MW-39D | 09/02/2020 | | 2.1000 | | |
| Antimony, total | ug/L | MW-39D | 03/08/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 09/14/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 03/28/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 09/13/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 03/23/2023 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 09/05/2023 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 03/06/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 09/18/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 03/11/2025 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-39D | 09/04/2025 | ND | 1.0000 | 2.0000 | ** |
| Arsenic, total | ug/L | MW-39D | 09/02/2020 | | 5.8000 | | |
| Arsenic, total | ug/L | MW-39D | 03/08/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-39D | 09/04/2025 | ND | 2.0000 | 4.0000 | ** |
| Barium, total | ug/L | MW-39D | 09/02/2020 | | 45.7000 | | |
| Barium, total | ug/L | MW-39D | 03/08/2021 | | 54.9000 | | |
| Barium, total | ug/L | MW-39D | 09/14/2021 | | 38.3000 | | |
| Barium, total | ug/L | MW-39D | 03/28/2022 | | 36.5000 | | |
| Barium, total | ug/L | MW-39D | 09/13/2022 | | 51.0000 | | |
| Barium, total | ug/L | MW-39D | 03/23/2023 | | 34.8000 | | |
| Barium, total | ug/L | MW-39D | 09/05/2023 | | 33.5000 | | |
| Barium, total | ug/L | MW-39D | 03/06/2024 | | 34.5000 | | |
| Barium, total | ug/L | MW-39D | 09/18/2024 | | 26.1000 | | |
| Barium, total | ug/L | MW-39D | 03/11/2025 | | 26.9000 | | |
| Barium, total | ug/L | MW-39D | 09/04/2025 | | 26.2000 | | |
| Beryllium, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-39D | 09/04/2025 | ND | 0.5000 | | * |
| Cadmium, total | ug/L | MW-39D | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 09/14/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 03/28/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 09/13/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 03/23/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 09/05/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 03/06/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 09/18/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 03/11/2025 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-39D | 09/04/2025 | ND | 0.2000 | | * |
| Chromium, total | ug/L | MW-39D | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 03/08/2021 | | 13.2000 | | |
| Chromium, total | ug/L | MW-39D | 09/14/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 03/28/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 09/13/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 03/23/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 09/05/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 03/06/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 09/18/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 03/11/2025 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-39D | 09/04/2025 | | 1.0000 | | * |
| Cobalt, total | ug/L | MW-39D | 09/02/2020 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 03/08/2021 | | 2.6000 | | |
| Cobalt, total | ug/L | MW-39D | 09/14/2021 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 03/28/2022 | ND | 0.4000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Cobalt, total | ug/L | MW-39D | 09/13/2022 | | 3.3000 | | |
| Cobalt, total | ug/L | MW-39D | 03/23/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 09/05/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 03/06/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 09/18/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-39D | 03/11/2025 | | 1.1000 | | |
| Cobalt, total | ug/L | MW-39D | 09/04/2025 | ND | 0.5000 | 0.4000 | ** |
| Copper, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 03/08/2021 | | 5.6000 | | |
| Copper, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-39D | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Lead, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-39D | 09/04/2025 | ND | 1.0000 | | * |
| Nickel, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 03/08/2021 | | 10.6000 | | |
| Nickel, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-39D | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Selenium, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-39D | 09/04/2025 | ND | 2.0000 | 4.0000 | ** |
| Silver, total | ug/L | MW-39D | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 03/28/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 09/13/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 03/23/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 09/05/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 03/06/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 09/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 03/11/2025 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-39D | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-39D | 09/02/2020 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 03/08/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 09/14/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 03/28/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 09/13/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 03/23/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 09/05/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 03/06/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 09/18/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 03/11/2025 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-39D | 09/04/2025 | ND | 0.5000 | | * |
| Vanadium, total | ug/L | MW-39D | 09/02/2020 | ND | 20.0000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Vanadium, total | ug/L | MW-39D | 03/08/2021 | | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 09/14/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 03/28/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 09/13/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 03/23/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 09/05/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 03/06/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 09/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 03/11/2025 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-39D | 09/04/2025 | ND | 2.0000 | | * |
| Zinc, total | ug/L | MW-39D | 09/02/2020 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 03/08/2021 | | 20.7000 | | |
| Zinc, total | ug/L | MW-39D | 09/14/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 03/28/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 09/13/2022 | | 25.0000 | | |
| Zinc, total | ug/L | MW-39D | 03/23/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 09/05/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 03/06/2024 | | 20.4000 | | |
| Zinc, total | ug/L | MW-39D | 09/18/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 03/11/2025 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-39D | 09/04/2025 | | 6.4000 | | * |
| Antimony, total | ug/L | MW-41D | 09/02/2020 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 03/08/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 09/14/2021 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 03/28/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 09/13/2022 | | 2.6000 | | |
| Antimony, total | ug/L | MW-41D | 03/23/2023 | | 2.8000 | | |
| Antimony, total | ug/L | MW-41D | 09/05/2023 | | 3.1000 | | |
| Antimony, total | ug/L | MW-41D | 03/06/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 09/18/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 03/11/2025 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-41D | 09/04/2025 | ND | 1.0000 | 2.0000 | ** |
| Arsenic, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 03/08/2021 | | 5.2000 | | |
| Arsenic, total | ug/L | MW-41D | 09/14/2021 | | 4.7000 | | |
| Arsenic, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-41D | 09/04/2025 | ND | 2.0000 | 4.0000 | ** |
| Barium, total | ug/L | MW-41D | 09/02/2020 | | 38.4000 | | |
| Barium, total | ug/L | MW-41D | 03/08/2021 | | 34.4000 | | |
| Barium, total | ug/L | MW-41D | 09/14/2021 | | 30.5000 | | |
| Barium, total | ug/L | MW-41D | 03/28/2022 | | 33.7000 | | |
| Barium, total | ug/L | MW-41D | 09/13/2022 | | 31.3000 | | |
| Barium, total | ug/L | MW-41D | 03/23/2023 | | 32.2000 | | |
| Barium, total | ug/L | MW-41D | 09/05/2023 | | 30.3000 | | |
| Barium, total | ug/L | MW-41D | 03/06/2024 | | 32.6000 | | |
| Barium, total | ug/L | MW-41D | 09/18/2024 | | 33.7000 | | |
| Barium, total | ug/L | MW-41D | 03/11/2025 | | 32.7000 | | |
| Barium, total | ug/L | MW-41D | 09/04/2025 | | 35.0000 | | |
| Beryllium, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 09/14/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-41D | 09/04/2025 | ND | 0.5000 | | * |
| Cadmium, total | ug/L | MW-41D | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 09/14/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 03/28/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 09/13/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 03/23/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 09/05/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 03/06/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 09/18/2024 | ND | 0.8000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Cadmium, total | ug/L | MW-41D | 03/11/2025 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-41D | 09/04/2025 | ND | 0.2000 | | * |
| Chromium, total | ug/L | MW-41D | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 03/08/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 09/14/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 03/28/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 09/13/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 03/23/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 09/05/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 03/06/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 09/18/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 03/11/2025 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-41D | 09/04/2025 | ND | 1.0000 | | * |
| Cobalt, total | ug/L | MW-41D | 09/02/2020 | | 5.1000 | | |
| Cobalt, total | ug/L | MW-41D | 03/08/2021 | | 3.9000 | | |
| Cobalt, total | ug/L | MW-41D | 09/14/2021 | | 2.6000 | | |
| Cobalt, total | ug/L | MW-41D | 03/28/2022 | | 2.5000 | | |
| Cobalt, total | ug/L | MW-41D | 09/13/2022 | | 5.4000 | | |
| Cobalt, total | ug/L | MW-41D | 03/23/2023 | | 1.2000 | | |
| Cobalt, total | ug/L | MW-41D | 09/05/2023 | | 0.9000 | | |
| Cobalt, total | ug/L | MW-41D | 03/06/2024 | | 1.0000 | | |
| Cobalt, total | ug/L | MW-41D | 09/18/2024 | | 1.0000 | | |
| Cobalt, total | ug/L | MW-41D | 03/11/2025 | | 1.3000 | | |
| Cobalt, total | ug/L | MW-41D | 09/04/2025 | | 1.0000 | | |
| Copper, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 03/08/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 09/14/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-41D | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Lead, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 09/14/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-41D | 09/04/2025 | ND | 1.0000 | | * |
| Nickel, total | ug/L | MW-41D | 09/02/2020 | | 11.8000 | | |
| Nickel, total | ug/L | MW-41D | 03/08/2021 | | 6.7000 | | |
| Nickel, total | ug/L | MW-41D | 09/14/2021 | | 6.6000 | | |
| Nickel, total | ug/L | MW-41D | 03/28/2022 | | 6.7000 | | |
| Nickel, total | ug/L | MW-41D | 09/13/2022 | | 10.3000 | | |
| Nickel, total | ug/L | MW-41D | 03/23/2023 | | 8.5000 | | |
| Nickel, total | ug/L | MW-41D | 09/05/2023 | | 7.5000 | | |
| Nickel, total | ug/L | MW-41D | 03/06/2024 | | 4.3000 | | |
| Nickel, total | ug/L | MW-41D | 09/18/2024 | | 5.2000 | | |
| Nickel, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-41D | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Selenium, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-41D | 09/04/2025 | ND | 2.0000 | 4.0000 | ** |
| Silver, total | ug/L | MW-41D | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 03/28/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 09/13/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 03/23/2023 | ND | 4.0000 | | |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Silver, total | ug/L | MW-41D | 09/05/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 03/06/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 09/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 03/11/2025 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-41D | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-41D | 09/02/2020 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 03/08/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 09/14/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 03/28/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 09/13/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 03/23/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 09/05/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 03/06/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 09/18/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 03/11/2025 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-41D | 09/04/2025 | ND | 0.5000 | | * |
| Vanadium, total | ug/L | MW-41D | 09/02/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 03/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 09/14/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 03/28/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 09/13/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 03/23/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 09/05/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 03/06/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 09/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 03/11/2025 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-41D | 09/04/2025 | ND | 2.0000 | | * |
| Zinc, total | ug/L | MW-41D | 09/02/2020 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 03/08/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 09/14/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 03/28/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 09/13/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 03/23/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 09/05/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 03/06/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 09/18/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 03/11/2025 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-41D | 09/04/2025 | | 15.3000 | | |
| Antimony, total | ug/L | MW-42D | 09/02/2020 | | 10.9000 | | |
| Antimony, total | ug/L | MW-42D | 03/08/2021 | | 8.9000 | | |
| Antimony, total | ug/L | MW-42D | 09/14/2021 | | 9.4000 | | |
| Antimony, total | ug/L | MW-42D | 03/28/2022 | | 7.4000 | | |
| Antimony, total | ug/L | MW-42D | 09/13/2022 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-42D | 03/23/2023 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-42D | 09/05/2023 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-42D | 03/06/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-42D | 09/18/2024 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-42D | 03/11/2025 | ND | 2.0000 | | |
| Antimony, total | ug/L | MW-42D | 09/04/2025 | ND | 1.0000 | 2.0000 | ** |
| Arsenic, total | ug/L | MW-42D | 09/02/2020 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-42D | 09/14/2021 | | 4.3000 | | |
| Arsenic, total | ug/L | MW-42D | 03/28/2022 | | 5.0000 | | |
| Arsenic, total | ug/L | MW-42D | 09/13/2022 | | 5.7000 | | |
| Arsenic, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-42D | 09/05/2023 | | 4.3000 | | |
| Arsenic, total | ug/L | MW-42D | 03/06/2024 | | 4.2000 | | |
| Arsenic, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Arsenic, total | ug/L | MW-42D | 09/04/2025 | ND | 2.0000 | 4.0000 | ** |
| Barium, total | ug/L | MW-42D | 09/02/2020 | | 58.3000 | | |
| Barium, total | ug/L | MW-42D | 03/08/2021 | | 53.5000 | | |
| Barium, total | ug/L | MW-42D | 09/14/2021 | | 55.5000 | | |
| Barium, total | ug/L | MW-42D | 03/28/2022 | | 52.3000 | | |
| Barium, total | ug/L | MW-42D | 09/13/2022 | | 44.7000 | | |
| Barium, total | ug/L | MW-42D | 03/23/2023 | | 40.1000 | | |
| Barium, total | ug/L | MW-42D | 09/05/2023 | | 36.6000 | | |
| Barium, total | ug/L | MW-42D | 03/06/2024 | | 37.0000 | | |
| Barium, total | ug/L | MW-42D | 09/18/2024 | | 30.6000 | | |
| Barium, total | ug/L | MW-42D | 03/11/2025 | | 29.9000 | | |
| Barium, total | ug/L | MW-42D | 09/04/2025 | | 33.3000 | | |
| Beryllium, total | ug/L | MW-42D | 09/02/2020 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |

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

## Table 1

## Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Beryllium, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Beryllium, total | ug/L | MW-42D | 09/04/2025 | ND | 0.5000 | | * |
| Cadmium, total | ug/L | MW-42D | 09/02/2020 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 03/08/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 09/14/2021 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 03/28/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 09/13/2022 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 03/23/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 09/05/2023 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 03/06/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 09/18/2024 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 03/11/2025 | ND | 0.8000 | | |
| Cadmium, total | ug/L | MW-42D | 09/04/2025 | ND | 0.2000 | | * |
| Chromium, total | ug/L | MW-42D | 09/02/2020 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 03/08/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 09/14/2021 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 03/28/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 09/13/2022 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 03/23/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 09/05/2023 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 03/06/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 09/18/2024 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 03/11/2025 | ND | 8.0000 | | |
| Chromium, total | ug/L | MW-42D | 09/04/2025 | | 1.0000 | | * |
| Cobalt, total | ug/L | MW-42D | 09/02/2020 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 03/08/2021 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 09/14/2021 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 03/28/2022 | | 0.5000 | | |
| Cobalt, total | ug/L | MW-42D | 09/13/2022 | | 3.4000 | | * |
| Cobalt, total | ug/L | MW-42D | 03/23/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 09/05/2023 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 03/06/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 09/18/2024 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 03/11/2025 | ND | 0.4000 | | |
| Cobalt, total | ug/L | MW-42D | 09/04/2025 | ND | 0.5000 | 0.4000 | ** |
| Copper, total | ug/L | MW-42D | 09/02/2020 | | 6.5000 | | |
| Copper, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Copper, total | ug/L | MW-42D | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Lead, total | ug/L | MW-42D | 09/02/2020 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Lead, total | ug/L | MW-42D | 09/04/2025 | ND | 1.0000 | | * |
| Nickel, total | ug/L | MW-42D | 09/02/2020 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Nickel, total | ug/L | MW-42D | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |

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

## Table 1

### Upgradient Data

| Constituent | Units | Well | Date | | Result | Adjusted | |
|---|---|---|---|---|---|---|---|
| Selenium, total | ug/L | MW-42D | 09/02/2020 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Selenium, total | ug/L | MW-42D | 09/04/2025 | ND | 2.0000 | 4.0000 | ** |
| Silver, total | ug/L | MW-42D | 09/02/2020 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 03/08/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 09/14/2021 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 03/28/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 09/13/2022 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 03/23/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 09/05/2023 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 03/06/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 09/18/2024 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 03/11/2025 | ND | 4.0000 | | |
| Silver, total | ug/L | MW-42D | 09/04/2025 | ND | 5.0000 | 4.0000 | ** |
| Thallium, total | ug/L | MW-42D | 09/02/2020 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 03/08/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 09/14/2021 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 03/28/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 09/13/2022 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 03/23/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 09/05/2023 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 03/06/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 09/18/2024 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 03/11/2025 | ND | 2.0000 | | |
| Thallium, total | ug/L | MW-42D | 09/04/2025 | ND | 0.5000 | | * |
| Vanadium, total | ug/L | MW-42D | 09/02/2020 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 03/08/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 09/14/2021 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 03/28/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 09/13/2022 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 03/23/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 09/05/2023 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 03/06/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 09/18/2024 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 03/11/2025 | ND | 20.0000 | | |
| Vanadium, total | ug/L | MW-42D | 09/04/2025 | ND | 2.0000 | | * |
| Zinc, total | ug/L | MW-42D | 09/02/2020 | | 34.5000 | | |
| Zinc, total | ug/L | MW-42D | 03/08/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 09/14/2021 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 03/28/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 09/13/2022 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 03/23/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 09/05/2023 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 03/06/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 09/18/2024 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 03/11/2025 | ND | 20.0000 | | |
| Zinc, total | ug/L | MW-42D | 09/04/2025 | ND | 5.0000 | | * |

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

## Table 2

### Most Current Downgradient Monitoring Data

| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | MW-14D | 09/04/2025 | | 2.1000 | | 10.9000 |
| Arsenic, total | ug/L | MW-14D | 09/04/2025 | ND | 2.0000 | | 5.8000 |
| Barium, total | ug/L | MW-14D | 09/04/2025 | | 19.3000 | | 105.9278 |
| Beryllium, total | ug/L | MW-14D | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | MW-14D | 09/04/2025 | ND | 0.2000 | | 0.8000 |
| Chromium, total | ug/L | MW-14D | 09/04/2025 | ND | 1.0000 | | 13.2000 |
| Cobalt, total | ug/L | MW-14D | 09/04/2025 | ND | 0.5000 | | 5.4000 |
| Copper, total | ug/L | MW-14D | 09/04/2025 | ND | 5.0000 | | 8.1000 |
| Lead, total | ug/L | MW-14D | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-14D | 09/04/2025 | ND | 5.0000 | | 11.8000 |
| Selenium, total | ug/L | MW-14D | 09/04/2025 | ND | 2.0000 | | 4.0000 |
| Silver, total | ug/L | MW-14D | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-14D | 09/04/2025 | ND | 0.5000 | | 2.0000 |
| Vanadium, total | ug/L | MW-14D | 09/04/2025 | ND | 2.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-14D | 09/04/2025 | | 6.6000 | | 34.5000 |
| Antimony, total | ug/L | MW-17R | 09/04/2025 | ND | 1.0000 | | 10.9000 |
| Arsenic, total | ug/L | MW-17R | 09/04/2025 | ND | 2.0000 | | 5.8000 |
| Barium, total | ug/L | MW-17R | 09/04/2025 | | 459.0000 | *** | 105.9278 |
| Beryllium, total | ug/L | MW-17R | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | MW-17R | 09/04/2025 | ND | 0.2000 | | 0.8000 |
| Chromium, total | ug/L | MW-17R | 09/04/2025 | | 1.3000 | | 13.2000 |
| Cobalt, total | ug/L | MW-17R | 09/04/2025 | | 1.6000 | | 5.4000 |
| Copper, total | ug/L | MW-17R | 09/04/2025 | ND | 5.0000 | | 8.1000 |
| Lead, total | ug/L | MW-17R | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-17R | 09/04/2025 | | 22.5000 | *** | 11.8000 |
| Selenium, total | ug/L | MW-17R | 09/04/2025 | ND | 2.0000 | | 4.0000 |
| Silver, total | ug/L | MW-17R | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-17R | 09/04/2025 | ND | 0.5000 | | 2.0000 |
| Vanadium, total | ug/L | MW-17R | 09/04/2025 | ND | 2.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-17R | 09/04/2025 | | 16.4000 | | 34.5000 |
| Antimony, total | ug/L | MW-28 | 09/04/2025 | ND | 1.0000 | | 10.9000 |
| Arsenic, total | ug/L | MW-28 | 09/04/2025 | | 5.0000 | ** | 5.8000 |
| Barium, total | ug/L | MW-28 | 09/04/2025 | | 688.0000 | *** | 105.9278 |
| Beryllium, total | ug/L | MW-28 | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | MW-28 | 09/04/2025 | ND | 0.2000 | | 0.8000 |
| Chromium, total | ug/L | MW-28 | 09/04/2025 | ND | 1.0000 | | 13.2000 |
| Cobalt, total | ug/L | MW-28 | 09/04/2025 | | 17.2000 | *** | 5.4000 |
| Copper, total | ug/L | MW-28 | 09/04/2025 | ND | 5.0000 | | 8.1000 |
| Lead, total | ug/L | MW-28 | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-28 | 09/04/2025 | | 11.1000 | ** | 11.8000 |
| Selenium, total | ug/L | MW-28 | 09/04/2025 | ND | 2.0000 | | 4.0000 |
| Silver, total | ug/L | MW-28 | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-28 | 09/04/2025 | ND | 0.5000 | | 2.0000 |
| Vanadium, total | ug/L | MW-28 | 09/04/2025 | ND | 2.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-28 | 09/04/2025 | | 8.2000 | | 34.5000 |
| Antimony, total | ug/L | MW-45D | 09/04/2025 | | 1.6000 | | 10.9000 |
| Arsenic, total | ug/L | MW-45D | 09/04/2025 | | 4.7000 | ** | 5.8000 |
| Barium, total | ug/L | MW-45D | 09/04/2025 | | 77.1000 | | 105.9278 |
| Beryllium, total | ug/L | MW-45D | 09/04/2025 | ND | 0.5000 | | 4.0000 |
| Cadmium, total | ug/L | MW-45D | 09/04/2025 | ND | 0.2000 | | 0.8000 |
| Chromium, total | ug/L | MW-45D | 09/04/2025 | | 1.1000 | | 13.2000 |
| Cobalt, total | ug/L | MW-45D | 09/04/2025 | ND | 0.5000 | | 5.4000 |
| Copper, total | ug/L | MW-45D | 09/04/2025 | ND | 5.0000 | | 8.1000 |
| Lead, total | ug/L | MW-45D | 09/04/2025 | ND | 1.0000 | | 4.0000 |
| Nickel, total | ug/L | MW-45D | 09/04/2025 | ND | 5.0000 | | 11.8000 |
| Selenium, total | ug/L | MW-45D | 09/04/2025 | ND | 2.0000 | | 4.0000 |
| Silver, total | ug/L | MW-45D | 09/04/2025 | ND | 5.0000 | | 4.0000 |
| Thallium, total | ug/L | MW-45D | 09/04/2025 | ND | 0.5000 | | 2.0000 |
| Vanadium, total | ug/L | MW-45D | 09/04/2025 | ND | 2.0000 | | 20.0000 |
| Zinc, total | ug/L | MW-45D | 09/04/2025 | | 9.0000 | | 34.5000 |

* - 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 | Upgradient Detect | Upgradient N | Upgradient Proportion | Downgradient Detect | Downgradient N | Downgradient Proportion |
|---|---|---|---|---|---|---|
| Antimony, total | 9 | 53 | 0.170 | 16 | 58 | 0.276 |
| Arsenic, total | 8 | 53 | 0.151 | 18 | 57 | 0.316 |
| Barium, total | 53 | 53 | 1.000 | 57 | 57 | 1.000 |
| Beryllium, total | 0 | 49 | 0.000 | 0 | 57 | 0.000 |
| Cadmium, total | 0 | 49 | 0.000 | 0 | 57 | 0.000 |
| Chromium, total | 1 | 49 | 0.020 | 2 | 57 | 0.035 |
| Cobalt, total | 16 | 50 | 0.320 | 50 | 58 | 0.862 |
| Copper, total | 3 | 53 | 0.057 | 0 | 57 | 0.000 |
| Lead, total | 0 | 49 | 0.000 | 0 | 57 | 0.000 |
| Nickel, total | 13 | 53 | 0.245 | 35 | 58 | 0.603 |
| Selenium, total | 0 | 53 | 0.000 | 10 | 62 | 0.161 |
| Silver, total | 0 | 53 | 0.000 | 0 | 57 | 0.000 |
| Thallium, total | 0 | 49 | 0.000 | 0 | 57 | 0.000 |
| Vanadium, total | 1 | 49 | 0.020 | 0 | 57 | 0.000 |
| Zinc, total | 9 | 51 | 0.176 | 6 | 57 | 0.105 |

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 | 9 | 53 | 0.170 | 1.683 | 1.643 | | | | | 2.326 | normal | nonpar |
| Arsenic, total | 8 | 53 | 0.151 | 1.205 | 1.119 | | | | | 2.326 | normal | nonpar |
| Barium, total | 53 | 53 | 1.000 | 2.197 | 0.861 | | | | | 2.326 | normal | normal |
| Beryllium, total | 0 | 49 | 0.000 | | | | | | | | | nonpar |
| Cadmium, total | 0 | 49 | 0.000 | | | | | | | | | nonpar |
| Chromium, total | 1 | 49 | 0.020 | | | | | | | | | nonpar |
| Cobalt, total | 16 | 50 | 0.320 | 1.377 | 1.368 | | | | | 2.326 | normal | nonpar |
| Copper, total | 3 | 53 | 0.057 | | | | | | | | | nonpar |
| Lead, total | 0 | 49 | 0.000 | | | | | | | | | nonpar |
| Nickel, total | 13 | 53 | 0.245 | 0.033 | 0.946 | | | | | 2.326 | normal | nonpar |
| Selenium, total | 0 | 53 | 0.000 | | | | | | | | | nonpar |
| Silver, total | 0 | 53 | 0.000 | | | | | | | | | nonpar |
| Thallium, total | 0 | 49 | 0.000 | | | | | | | | | nonpar |
| Vanadium, total | 1 | 49 | 0.020 | | | | | | | | | nonpar |
| Zinc, total | 9 | 51 | 0.176 | 0.058 | 0.433 | | | | | 2.326 | normal | nonpar |

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

## Table 5

### Summary Statistics and Prediction Limits

| Constituent | Units | Detect | N | Mean | SD | alpha | Factor | Pred Limit | Type | | Conf |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, total | ug/L | 9 | 53 | | | | | 10.9000 | nonpar | | 0.99 |
| Arsenic, total | ug/L | 8 | 53 | | | | | 5.8000 | nonpar | | 0.99 |
| Barium, total | ug/L | 53 | 53 | 52.0019 | 22.2585 | 0.0100 | 2.4227 | 105.9278 | normal | | |
| Beryllium, total | ug/L | 0 | 49 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Cadmium, total | ug/L | 0 | 49 | | | | | 0.8000 | nonpar | *** | 0.99 |
| Chromium, total | ug/L | 1 | 49 | | | | | 13.2000 | nonpar | | 0.99 |
| Cobalt, total | ug/L | 16 | 50 | | | | | 5.4000 | nonpar | | 0.99 |
| Copper, total | ug/L | 3 | 53 | | | | | 8.1000 | nonpar | | 0.99 |
| Lead, total | ug/L | 0 | 49 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Nickel, total | ug/L | 13 | 53 | | | | | 11.8000 | nonpar | | 0.99 |
| Selenium, total | ug/L | 0 | 53 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Silver, total | ug/L | 0 | 53 | | | | | 4.0000 | nonpar | *** | 0.99 |
| Thallium, total | ug/L | 0 | 49 | | | | | 2.0000 | nonpar | *** | 0.99 |
| Vanadium, total | ug/L | 1 | 49 | | | | | 20.0000 | nonpar | *** | 0.99 |
| Zinc, total | ug/L | 9 | 51 | | | | | 34.5000 | nonpar | | 0.99 |

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

## Table 6

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

| Constituent | Units | Well | Date | Result | ND Qualifier | Date Range | N | Critical Value |
|---|---|---|---|---|---|---|---|---|
| Beryllium, total | ug/L | MW-11C | 09/04/2025 | 0.5000 | < 0.5000 | 09/23/2014-09/04/2025 | 20 | 0.5381 |
| Cadmium, total | ug/L | MW-11C | 09/04/2025 | 0.2000 | < 0.2000 | 09/23/2014-09/04/2025 | 20 | 0.5381 |
| Chromium, total | ug/L | MW-11C | 09/04/2025 | 1.3000 | | 09/23/2014-09/04/2025 | 20 | 0.5381 |
| Cobalt, total | ug/L | MW-11C | 03/12/2018 | 2.0000 | < 2.0000 | 09/23/2014-09/04/2025 | 20 | 0.5503 |
| Cobalt, total | ug/L | MW-11C | 09/13/2022 | 3.6000 | | 09/23/2014-09/04/2025 | 20 | 0.5503 |
| Lead, total | ug/L | MW-11C | 09/04/2025 | 1.0000 | < 1.0000 | 09/23/2014-09/04/2025 | 20 | 0.5381 |
| Thallium, total | ug/L | MW-11C | 09/04/2025 | 0.5000 | < 0.5000 | 09/23/2014-09/04/2025 | 20 | 0.5381 |
| Vanadium, total | ug/L | MW-11C | 09/04/2025 | 2.0000 | < 2.0000 | 09/23/2014-09/04/2025 | 20 | 0.5381 |
| Beryllium, total | ug/L | MW-39D | 09/04/2025 | 0.5000 | < 0.5000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Cadmium, total | ug/L | MW-39D | 09/04/2025 | 0.2000 | < 0.2000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Chromium, total | ug/L | MW-39D | 09/04/2025 | 1.0000 | | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Lead, total | ug/L | MW-39D | 09/04/2025 | 1.0000 | < 1.0000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Thallium, total | ug/L | MW-39D | 09/04/2025 | 0.5000 | < 0.5000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Vanadium, total | ug/L | MW-39D | 09/04/2025 | 2.0000 | < 2.0000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Zinc, total | ug/L | MW-39D | 09/04/2025 | 6.4000 | | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Beryllium, total | ug/L | MW-41D | 09/04/2025 | 0.5000 | < 0.5000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Cadmium, total | ug/L | MW-41D | 09/04/2025 | 0.2000 | < 0.2000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Chromium, total | ug/L | MW-41D | 09/04/2025 | 1.0000 | < 1.0000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Lead, total | ug/L | MW-41D | 09/04/2025 | 1.0000 | < 1.0000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Thallium, total | ug/L | MW-41D | 09/04/2025 | 0.5000 | < 0.5000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Vanadium, total | ug/L | MW-41D | 09/04/2025 | 2.0000 | < 2.0000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Beryllium, total | ug/L | MW-42D | 09/04/2025 | 0.5000 | < 0.5000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Cadmium, total | ug/L | MW-42D | 09/04/2025 | 0.2000 | < 0.2000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Chromium, total | ug/L | MW-42D | 09/04/2025 | 1.0000 | | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Cobalt, total | ug/L | MW-42D | 09/13/2022 | 3.4000 | | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Lead, total | ug/L | MW-42D | 09/04/2025 | 1.0000 | < 1.0000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Thallium, total | ug/L | MW-42D | 09/04/2025 | 0.5000 | < 0.5000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Vanadium, total | ug/L | MW-42D | 09/04/2025 | 2.0000 | < 2.0000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |
| Zinc, total | ug/L | MW-42D | 09/04/2025 | 5.0000 | < 5.0000 | 09/02/2020-09/04/2025 | 11 | 0.6736 |

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

## Table 8

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

| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Barium, total | ug/L | MW-17R | 09/23/2014 | | 344.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 03/03/2016 | | 378.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 09/21/2016 | | 369.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 03/09/2017 | | 369.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 09/14/2017 | | 411.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 03/12/2018 | | 408.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 09/10/2018 | | 406.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 03/26/2019 | | 430.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 09/16/2019 | | 533.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 03/24/2020 | | 429.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 09/02/2020 | | 398.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 03/08/2021 | | 416.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 09/14/2021 | | 442.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 03/28/2022 | | 446.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 09/13/2022 | | 587.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 03/23/2023 | | 446.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 09/05/2023 | | 422.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 03/06/2024 | | 432.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 09/18/2024 | | 435.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 03/11/2025 | | 410.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-17R | 09/04/2025 | | 459.0000 | * | 105.9278 |
| Nickel, total | ug/L | MW-17R | 09/23/2014 | | 14.9000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/03/2016 | | 16.3000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/21/2016 | | 15.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/09/2017 | | 16.6000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/14/2017 | | 20.1000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 12/13/2017 | | 17.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/12/2018 | | 17.6000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/10/2018 | | 18.1000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/26/2019 | | 20.3000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/16/2019 | | 21.4000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/24/2020 | | 19.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/02/2020 | | 19.0000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/08/2021 | | 20.8000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/14/2021 | | 21.8000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/28/2022 | | 22.3000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/13/2022 | | 28.9000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/23/2023 | | 22.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/05/2023 | | 21.4000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/06/2024 | | 18.9000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/18/2024 | | 24.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 03/11/2025 | | 22.5000 | * | 11.8000 |
| Nickel, total | ug/L | MW-17R | 09/04/2025 | | 22.5000 | * | 11.8000 |
| Arsenic, total | ug/L | MW-28 | 03/24/2020 | | 72.8000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 09/02/2020 | ND | 4.0000 | | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 03/08/2021 | | 13.8000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 10/15/2021 | | 4.3000 | | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 03/28/2022 | | 38.7000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 09/13/2022 | | 8.2000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 03/23/2023 | | 100.0000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 09/05/2023 | | 8.8000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 03/06/2024 | | 59.7000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 09/18/2024 | | 4.0000 | | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 03/10/2025 | | 64.8000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-28 | 09/04/2025 | | 5.0000 | | 5.8000 |
| Barium, total | ug/L | MW-28 | 03/24/2020 | | 1030.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-28 | 09/02/2020 | | 655.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-28 | 03/08/2021 | | 735.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-28 | 10/15/2021 | | 679.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-28 | 03/28/2022 | | 1080.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-28 | 09/13/2022 | | 865.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-28 | 03/23/2023 | | 1570.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-28 | 09/05/2023 | | 647.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-28 | 03/06/2024 | | 1390.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-28 | 09/18/2024 | | 652.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-28 | 03/10/2025 | | 1340.0000 | * | 105.9278 |
| Barium, total | ug/L | MW-28 | 09/04/2025 | | 688.0000 | * | 105.9278 |
| Cobalt, total | ug/L | MW-28 | 03/24/2020 | | 38.2000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 09/02/2020 | | 41.9000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 03/08/2021 | | 47.3000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 10/15/2021 | | 40.7000 | * | 5.4000 |

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

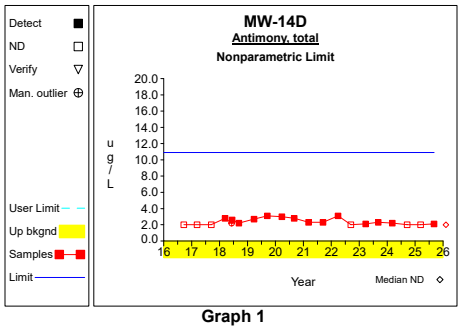
## Table 8

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

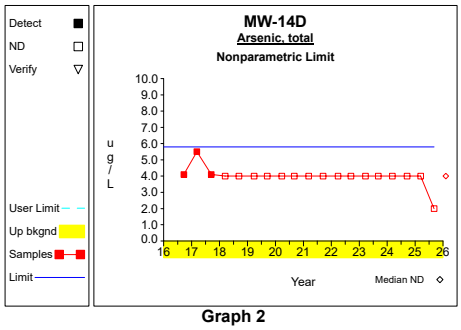
| Constituent | Units | Well | Date | | Result | | Pred. Limit |
|---|---|---|---|---|---|---|---|
| Cobalt, total | ug/L | MW-28 | 03/28/2022 | | 79.3000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 09/13/2022 | | 54.2000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 03/23/2023 | | 82.1000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 09/05/2023 | | 28.6000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 03/06/2024 | | 72.7000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 09/18/2024 | | 23.4000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 03/10/2025 | | 59.0000 | * | 5.4000 |
| Cobalt, total | ug/L | MW-28 | 09/04/2025 | | 17.2000 | * | 5.4000 |
| Nickel, total | ug/L | MW-28 | 03/24/2020 | | 20.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 09/02/2020 | | 21.5000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 03/08/2021 | | 23.7000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 10/15/2021 | | 18.8000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 03/28/2022 | | 29.0000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 09/13/2022 | | 22.0000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 03/23/2023 | | 29.8000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 09/05/2023 | | 19.1000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 03/06/2024 | | 26.9000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 09/18/2024 | | 15.2000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 03/10/2025 | | 24.0000 | * | 11.8000 |
| Nickel, total | ug/L | MW-28 | 09/04/2025 | | 11.1000 | | 11.8000 |
| Arsenic, total | ug/L | MW-45D | 03/06/2024 | ND | 4.0000 | | 5.8000 |
| Arsenic, total | ug/L | MW-45D | 06/03/2024 | | 7.9000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-45D | 09/18/2024 | | 9.7000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-45D | 03/11/2025 | | 10.0000 | * | 5.8000 |
| Arsenic, total | ug/L | MW-45D | 09/04/2025 | | 4.7000 | | 5.8000 |

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

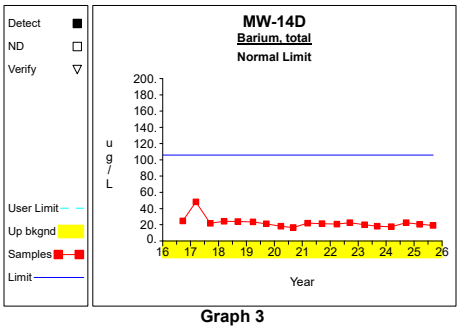
# Up vs. Down Prediction Limits



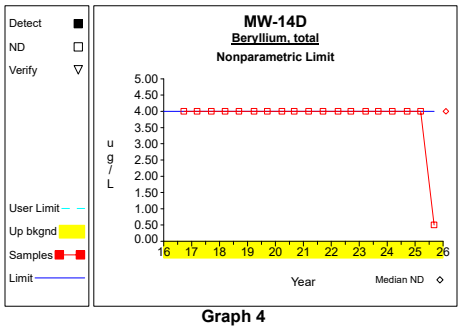

Graph 1



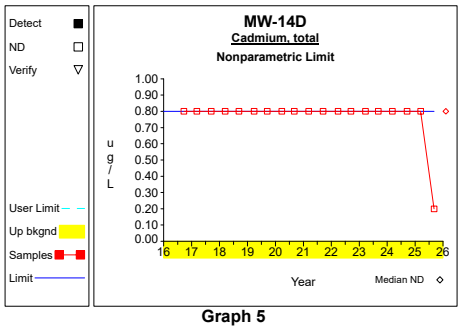

Graph 2



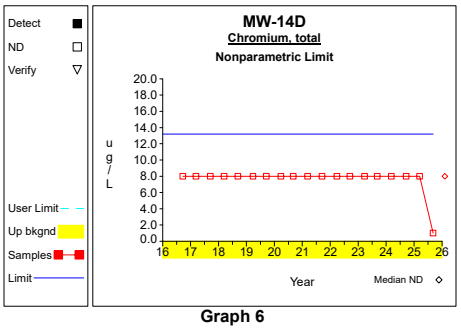

Graph 3



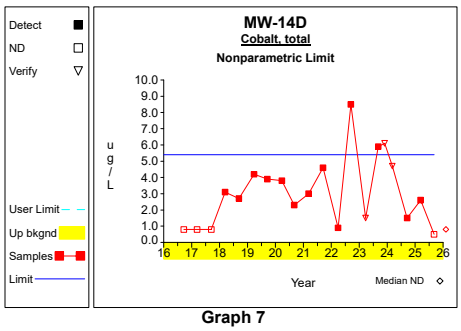

Graph 4



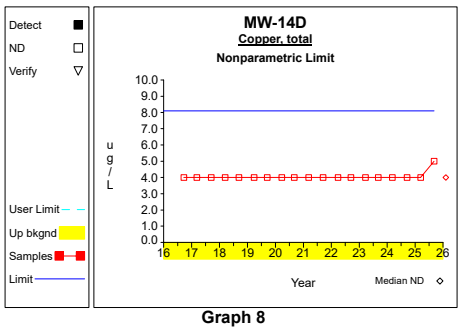

Graph 5



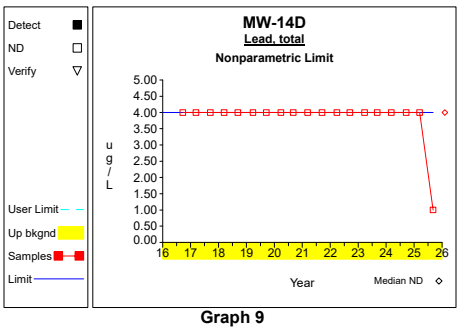

Graph 6



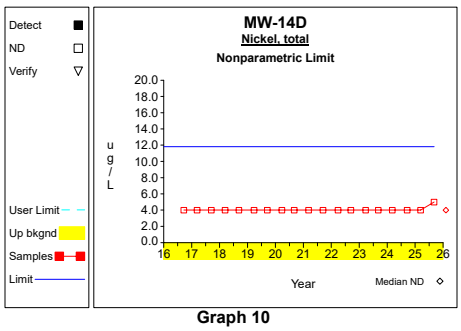

Graph 7



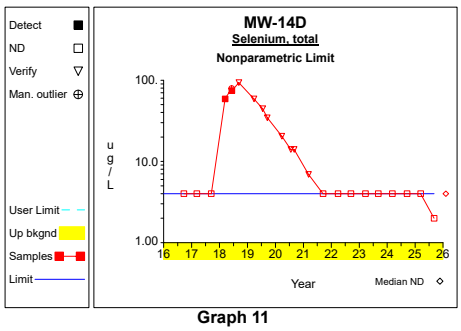

Graph 8



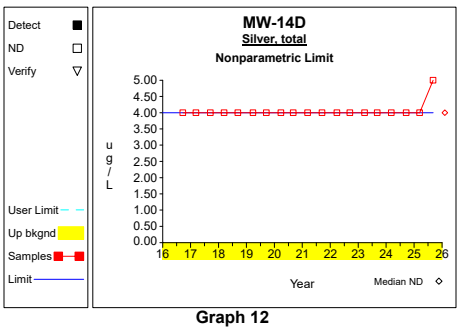

Graph 9



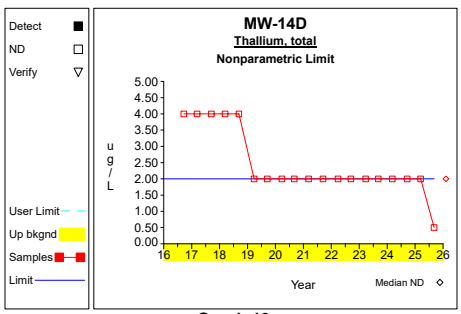

Graph 10



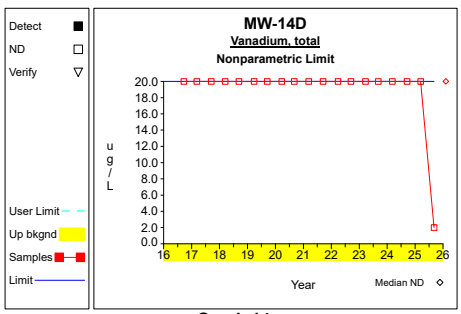

Graph 11



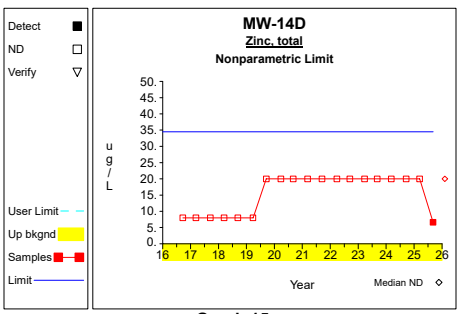

Graph 12




Graph 13




Graph 14




Graph 15

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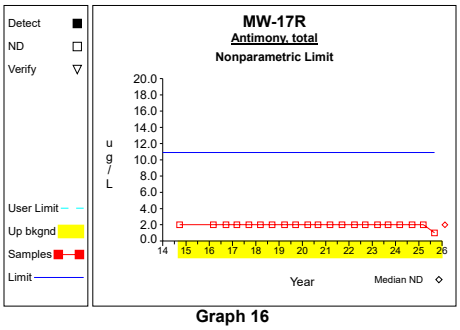
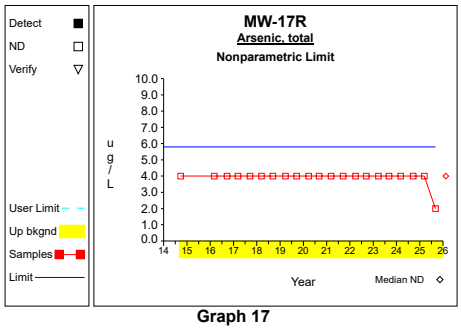
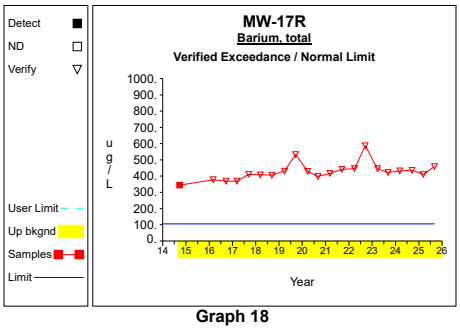
# Up vs. Down Prediction Limits



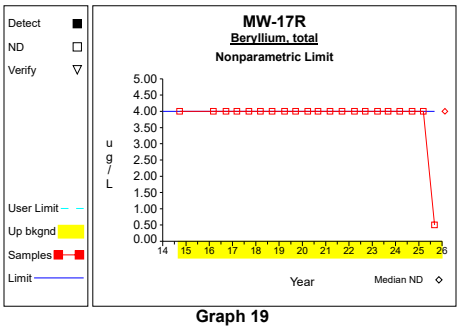

Graph 16



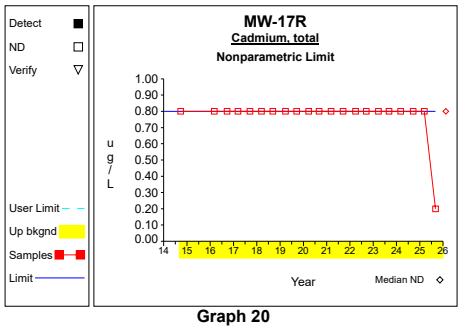

Graph 17



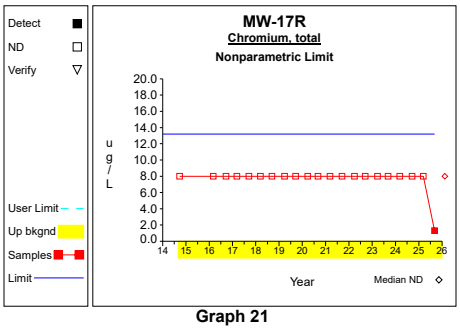

Graph 18



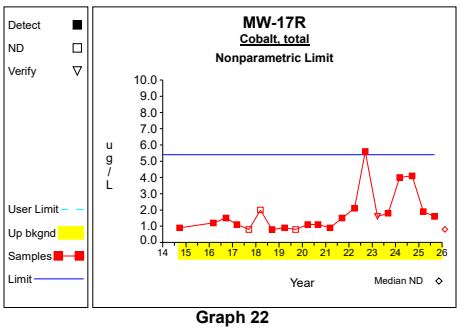

Graph 19



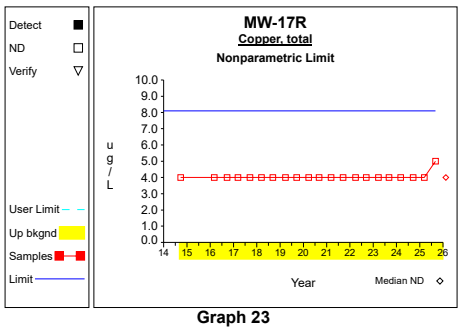

Graph 20



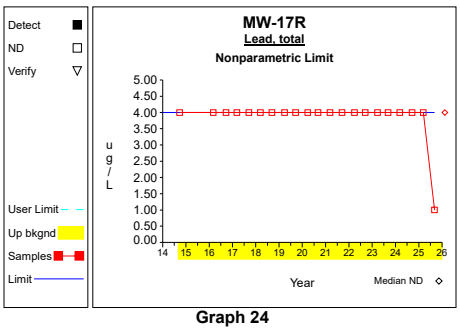

Graph 21



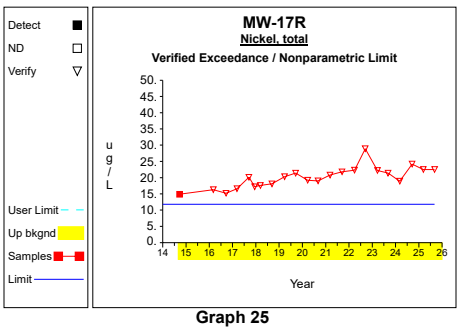

Graph 22



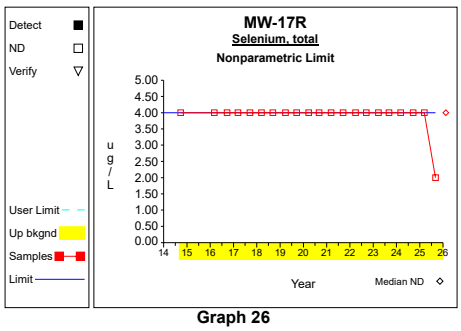

Graph 23



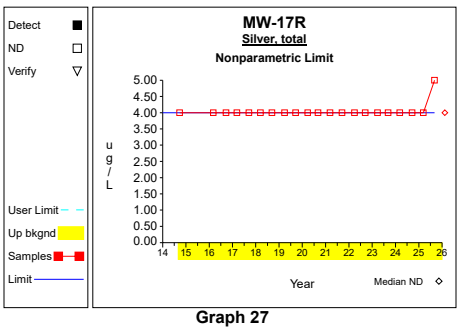

Graph 24



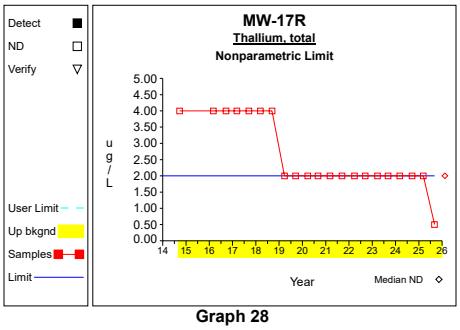

Graph 25



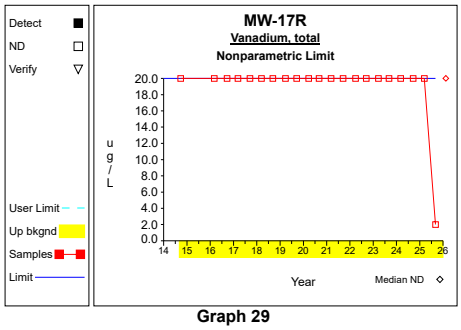

Graph 26



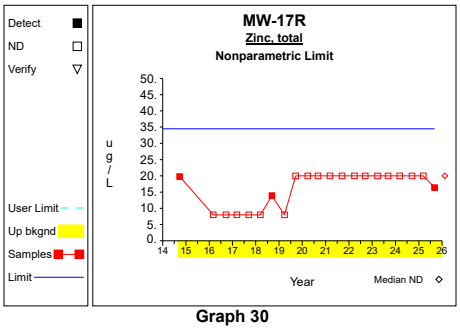

Graph 27




Graph 28




Graph 29




Graph 30

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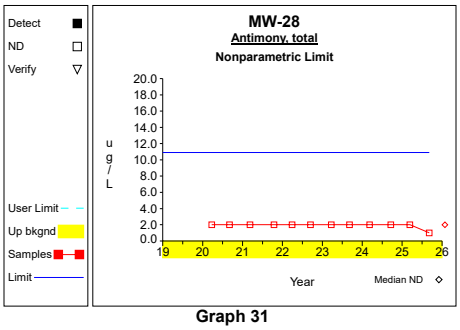
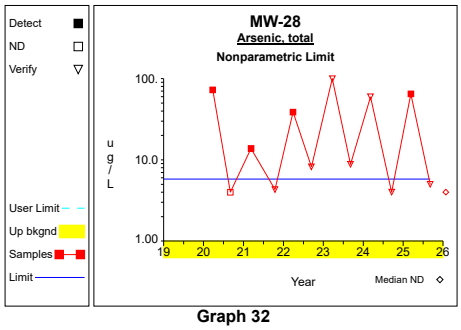
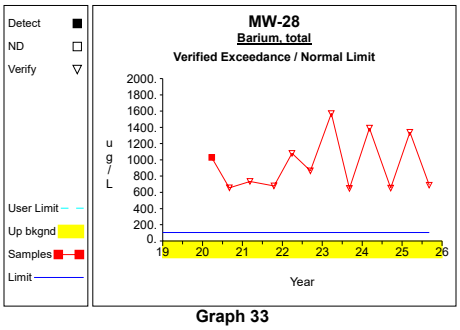
# Up vs. Down Prediction Limits



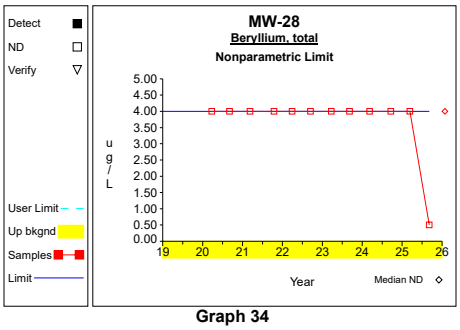

Graph 31



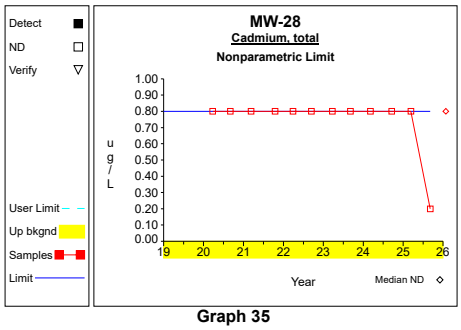

Graph 32



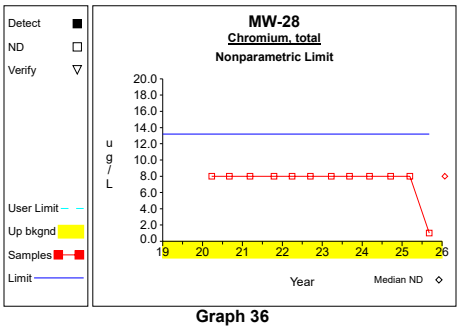

Graph 33



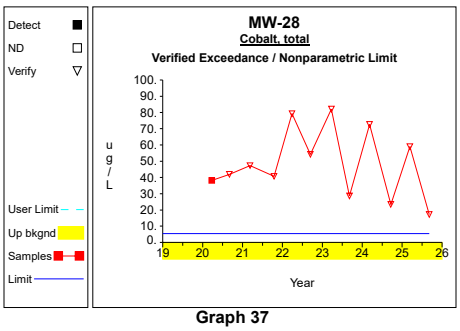

Graph 34



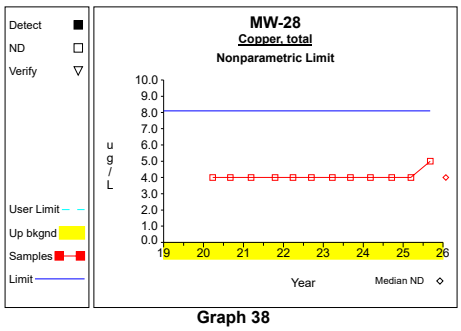

Graph 35



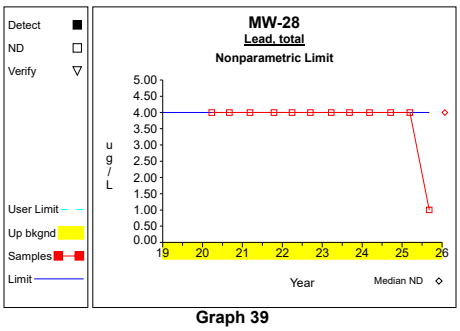

Graph 36



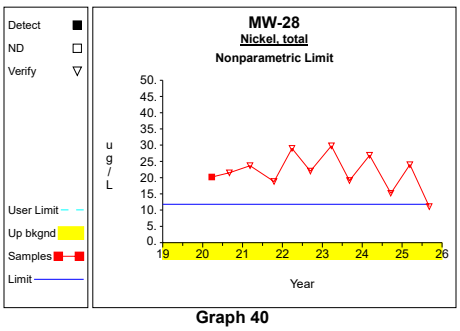

Graph 37



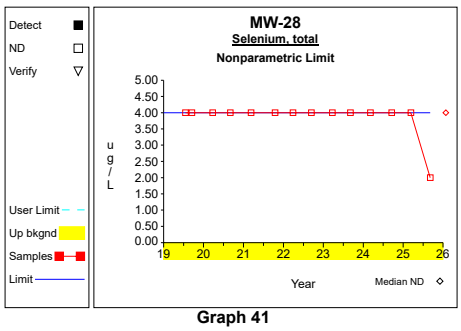

Graph 38



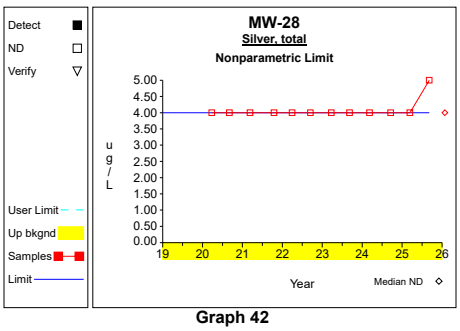

Graph 39



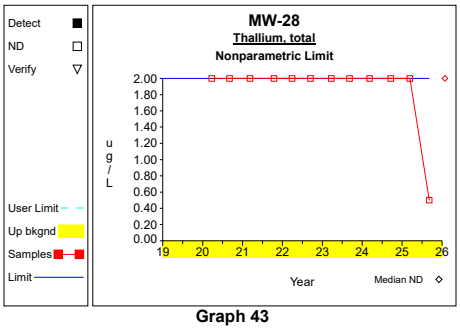

Graph 40



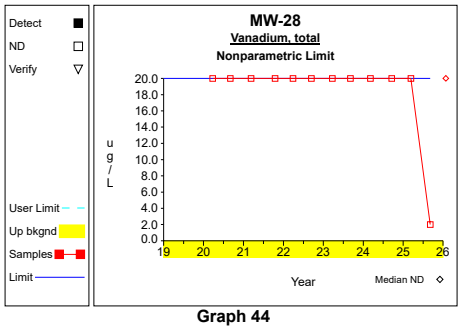

Graph 41



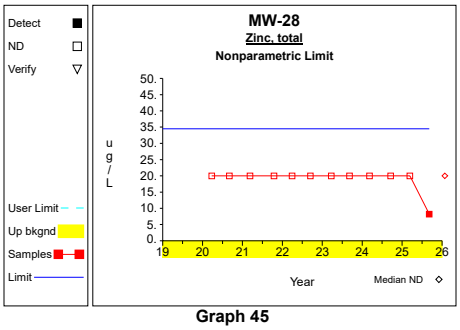

Graph 42




Graph 43




Graph 44




Graph 45

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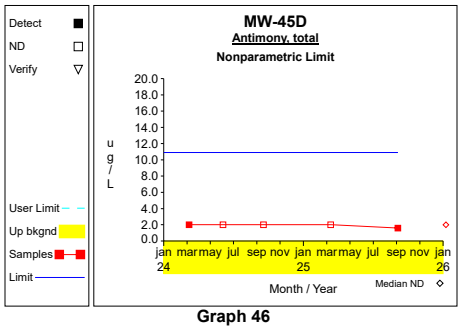
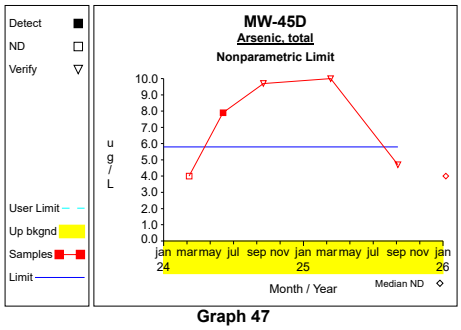
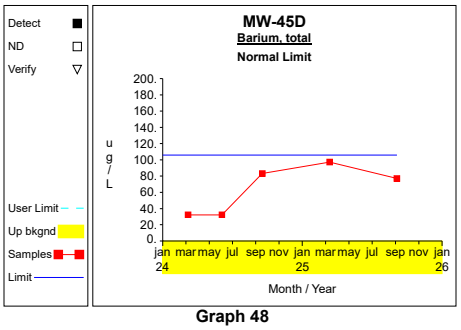
# Up vs. Down Prediction Limits



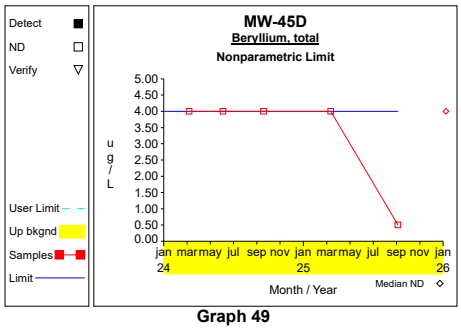

Graph 46



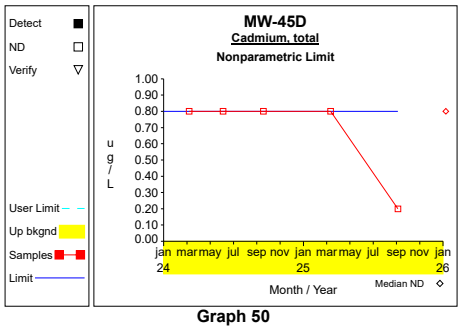

Graph 47



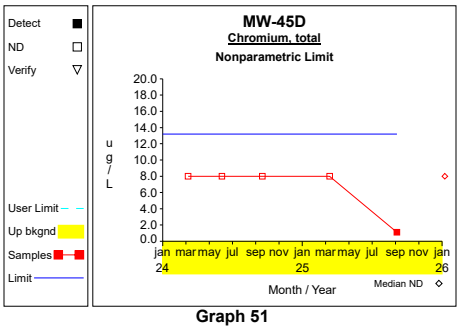

Graph 48



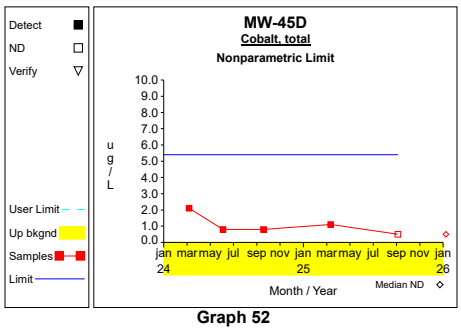

Graph 49



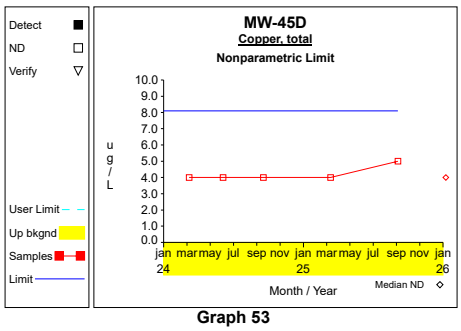

Graph 50



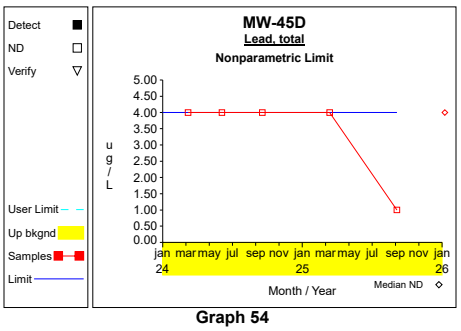

Graph 51



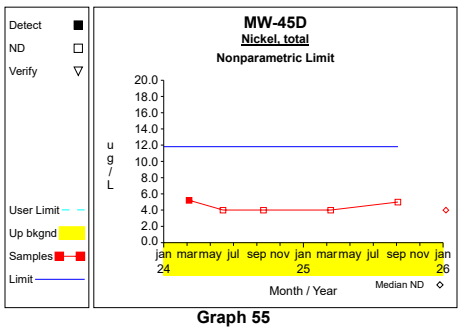

Graph 52



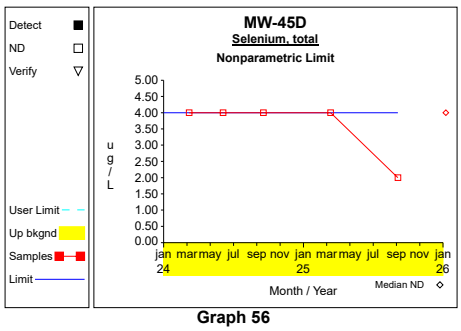

Graph 53



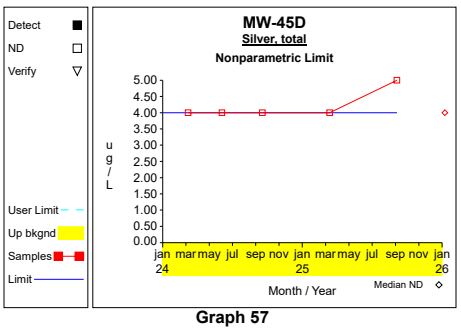

Graph 54



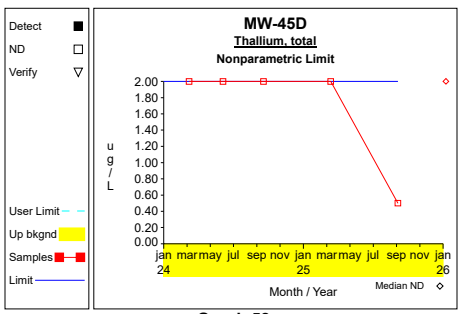

Graph 55



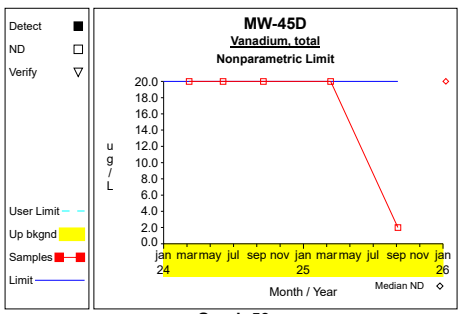

Graph 56



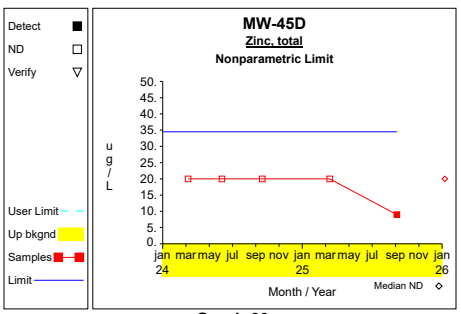

Graph 57




Graph 58




Graph 59




Graph 60

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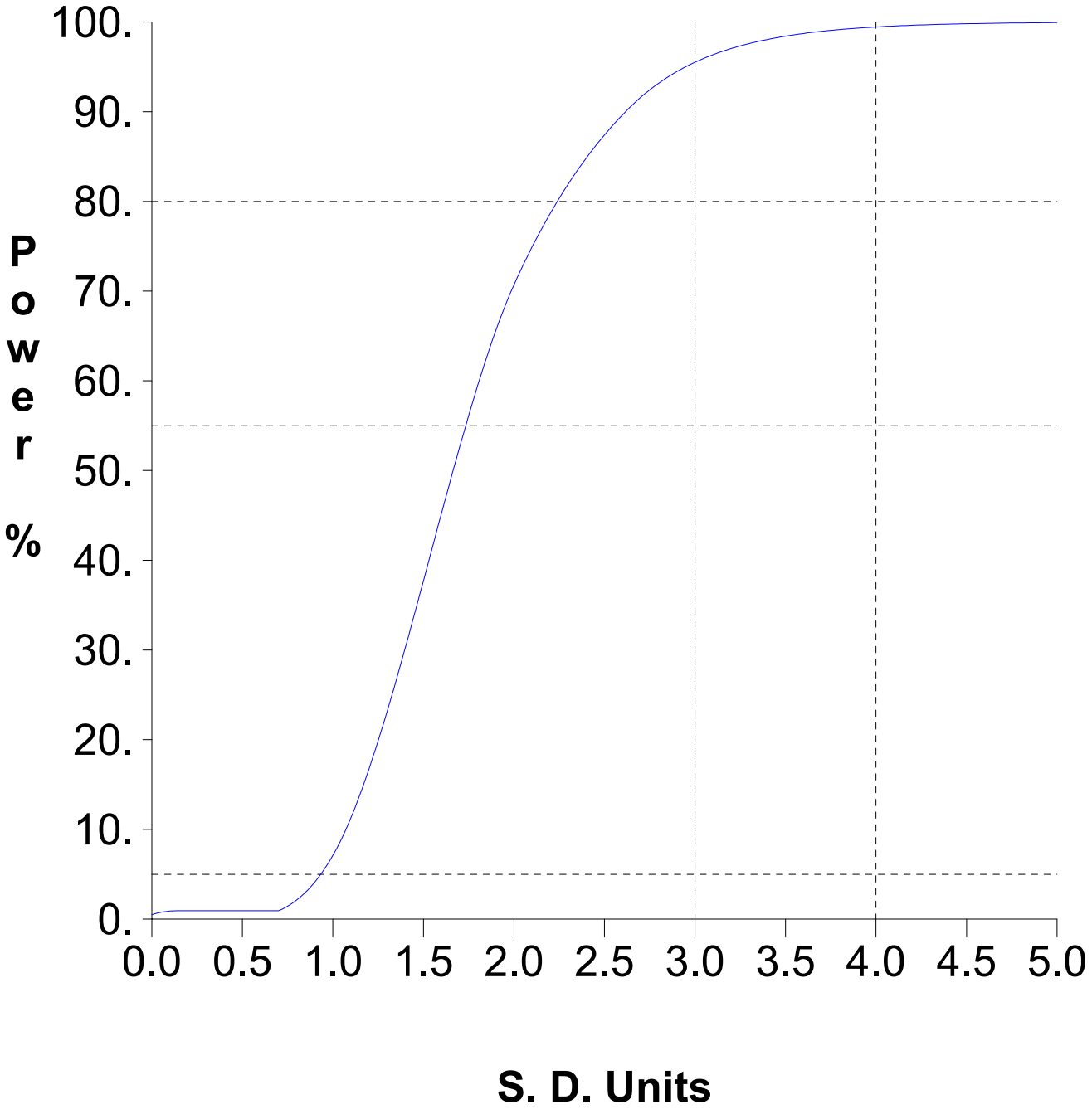
# False Positive and False Negative Rates for Current

## Upgradient vs. Downgradient Monitoring Program



**Attachment E**

Assessment Statistics for Verified Trace Metals
Deep Ground Water

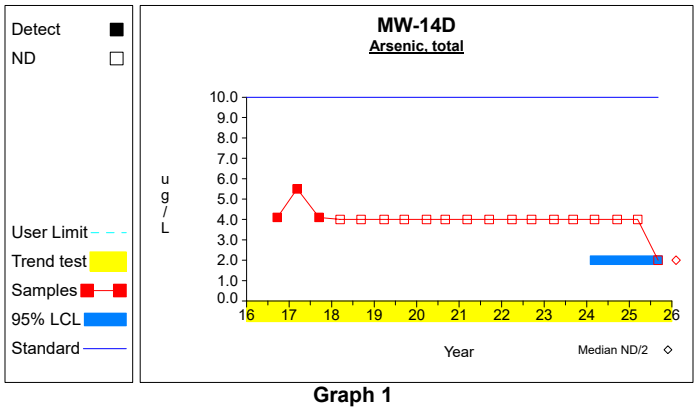
## Table 1

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

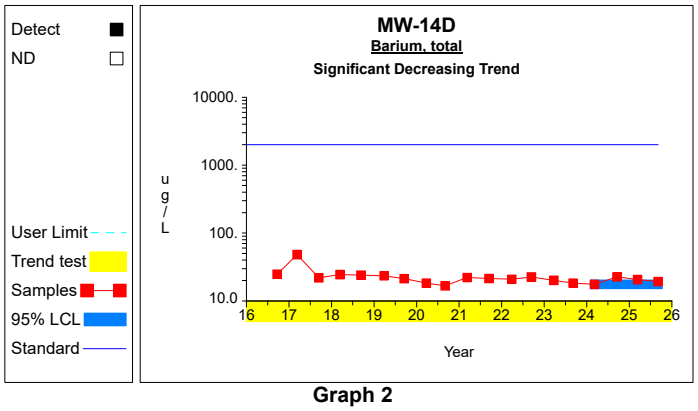
| Constituent | Units | Well | N | Mean | SD | Factor | 95% LCL | 95% UCL | Standard | Trend | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic, total | ug/L | MW-14D | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 10.000 | | |
| Barium, total | ug/L | MW-14D | 4 | 20.050 | 2.121 | 1.176 | 17.556 | 22.544 | 2000.000 | dec | |
| Cobalt, total | ug/L | MW-14D | 4 | 2.300 | 1.835 | 1.176 | 0.142 | 4.458 | 2.100 | | |
| Nickel, total | ug/L | MW-14D | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 100.000 | | |
| Arsenic, total | ug/L | MW-17R | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 10.000 | | |
| Barium, total | ug/L | MW-17R | 4 | 434.000 | 20.050 | 1.176 | 410.415 | 457.585 | 2000.000 | inc | |
| Cobalt, total | ug/L | MW-17R | 4 | 2.900 | 1.334 | 1.176 | 1.331 | 4.469 | 2.100 | inc | |
| Nickel, total | ug/L | MW-17R | 4 | 22.025 | 2.232 | 1.176 | 19.399 | 24.651 | 100.000 | inc | |
| Arsenic, total | ug/L | MW-28 | 4 | 33.375 | 33.409 | 1.176 | 0.000 | 72.674 | 10.000 | | |
| Barium, total | ug/L | MW-28 | 4 | 1017.500 | 402.046 | 1.176 | 544.578 | 1490.422 | 2000.000 | | |
| Cobalt, total | ug/L | MW-28 | 4 | 43.075 | 27.005 | 1.176 | 11.309 | 74.841 | 2.100 | | ** |
| Nickel, total | ug/L | MW-28 | 4 | 19.300 | 7.391 | 1.176 | 10.606 | 27.994 | 100.000 | | |
| Arsenic, total | ug/L | MW-45D | 4 | 8.075 | 2.434 | 1.176 | 5.212 | 10.938 | 10.000 | | |
| Barium, total | ug/L | MW-45D | 4 | 72.450 | 28.075 | 1.176 | 39.426 | 105.474 | 2000.000 | | |
| Cobalt, total | ug/L | MW-45D | 4 | 0.738 | 0.354 | 1.176 | 0.321 | 1.154 | 2.100 | | |
| Nickel, total | ug/L | MW-45D | 4 | 2.000 | 0.000 | 1.176 | 2.000 | 2.000 | 100.000 | | |

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

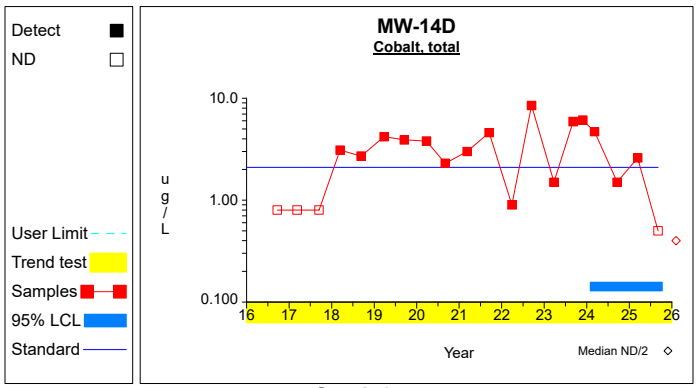
# Confidence Limits (Assessment)



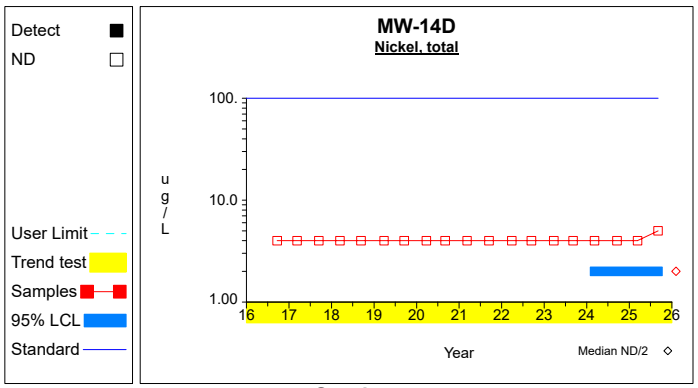

Graph 1



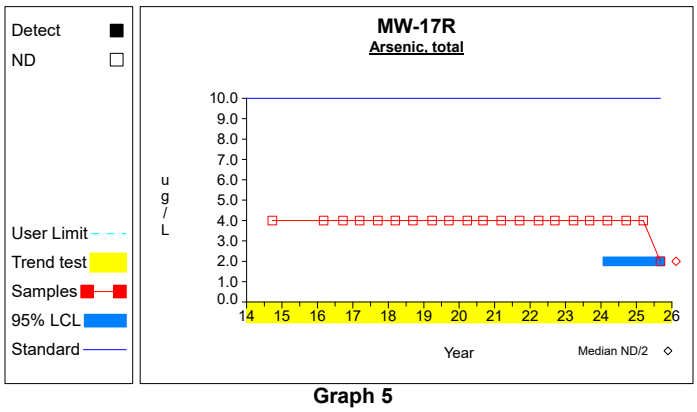

Graph 2



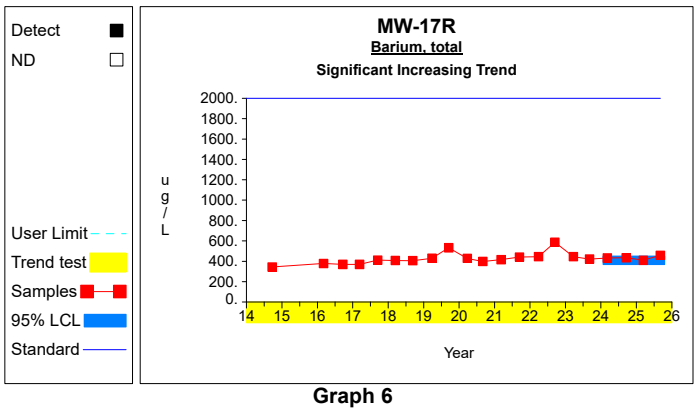

Graph 3



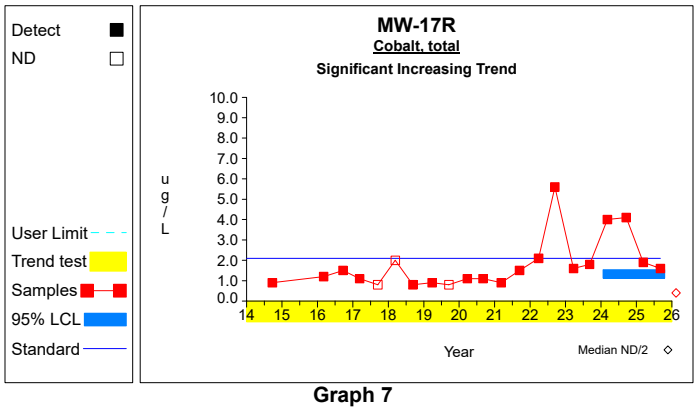

Graph 4



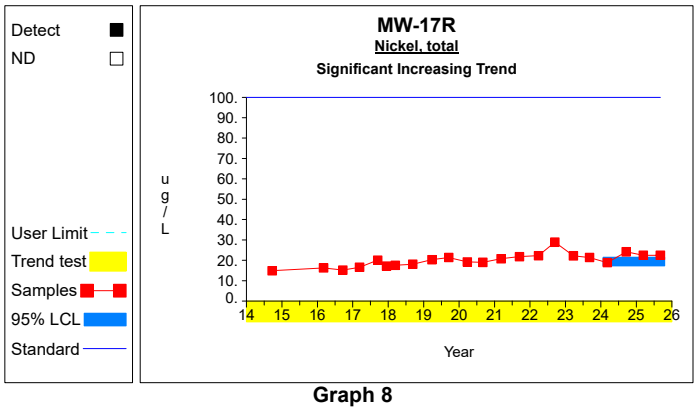

Graph 5




Graph 6




Graph 7




Graph 8

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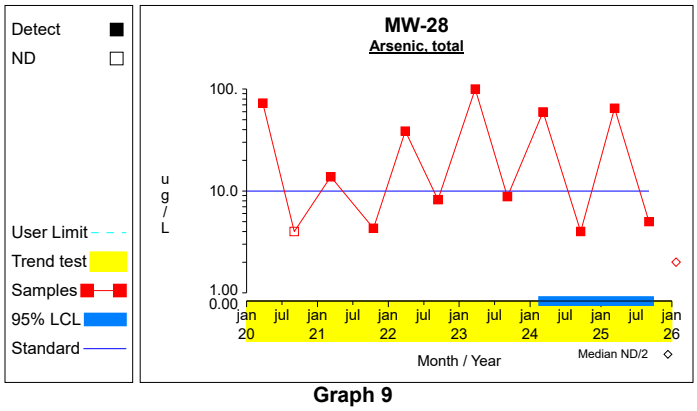
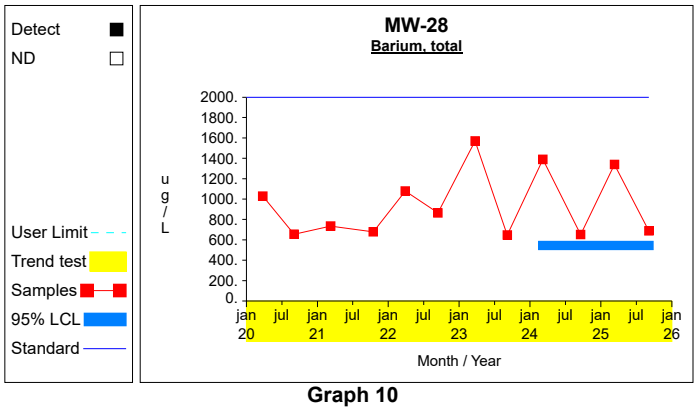
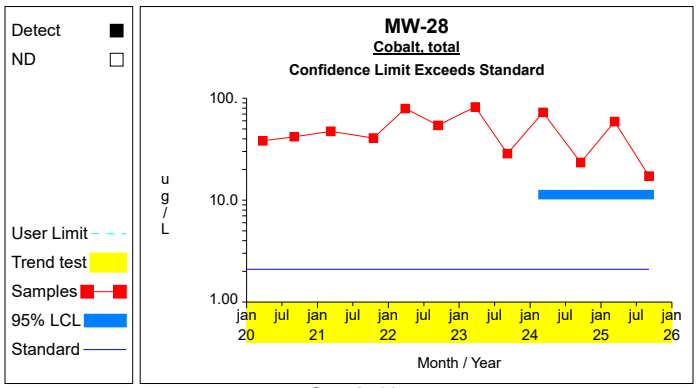
# Confidence Limits (Assessment)



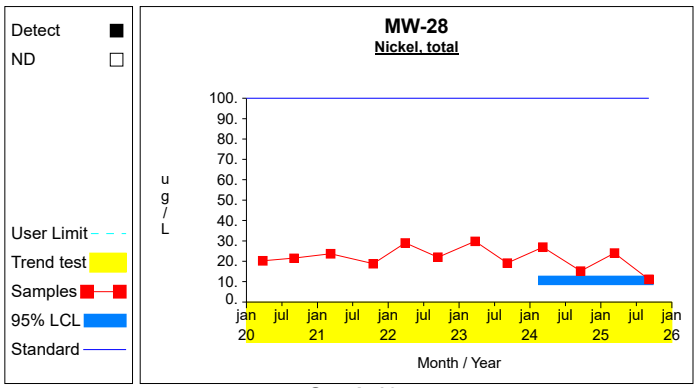

Graph 9



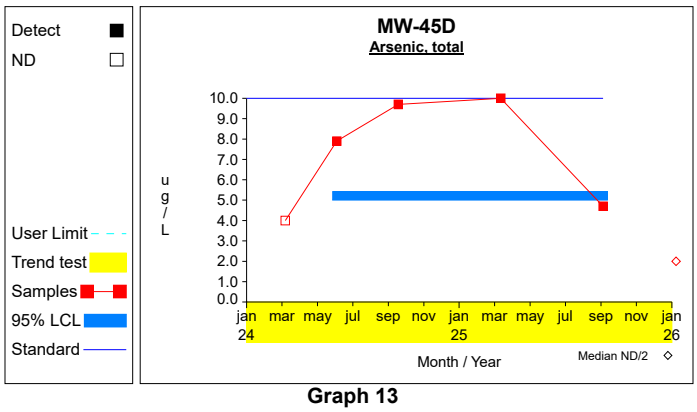

Graph 10



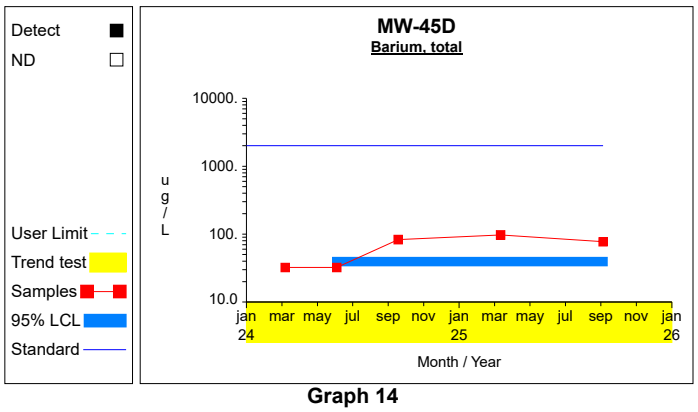

Graph 11



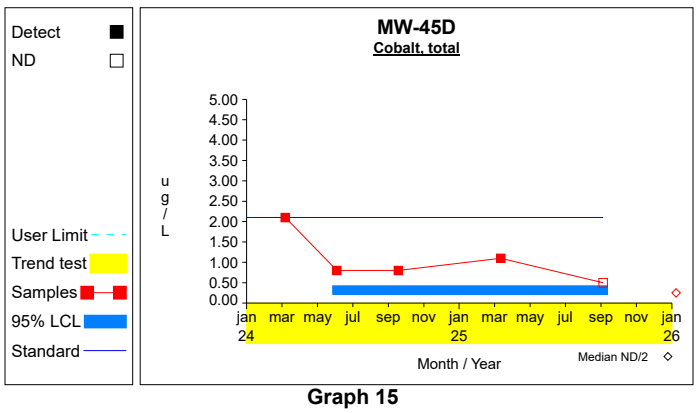

Graph 12



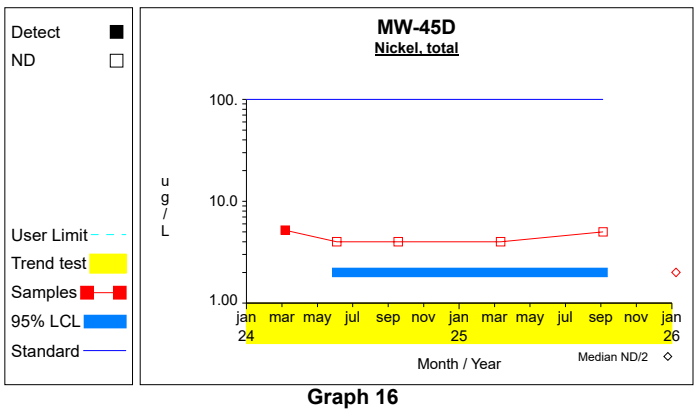

Graph 13




Graph 14




Graph 15




Graph 16

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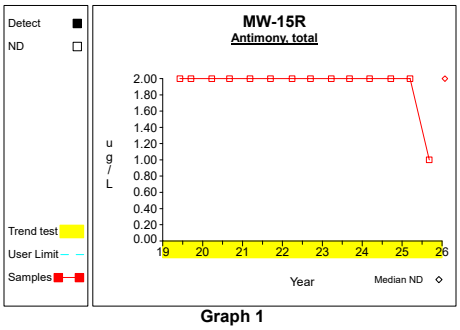
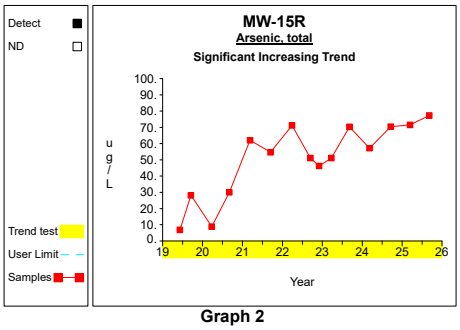
**Attachment F**

Time Series of Trace Metals at Downgradient Attenuation Zone Wells

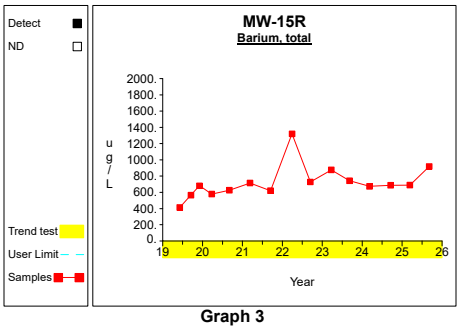
# Time Series



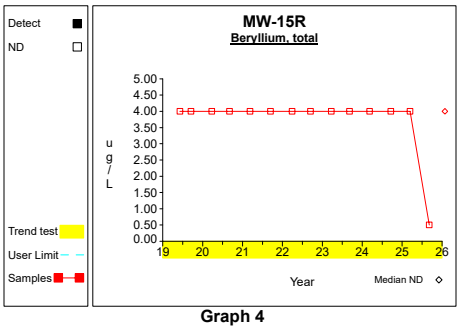

Graph 1



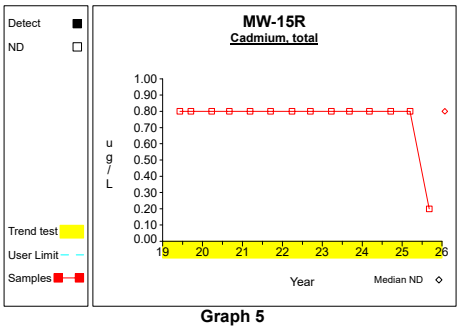

Graph 2



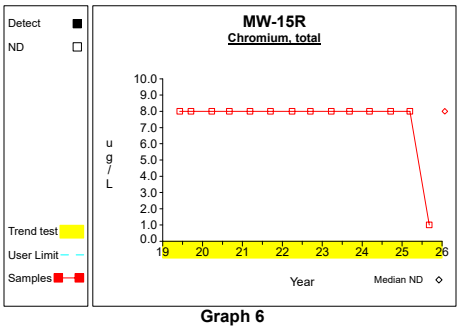

Graph 3



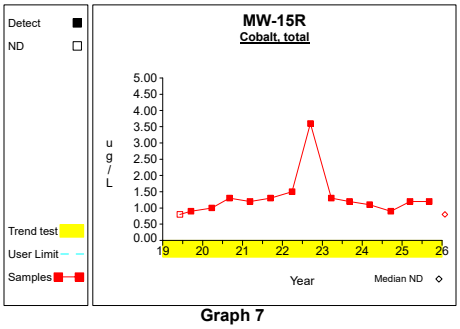

Graph 4



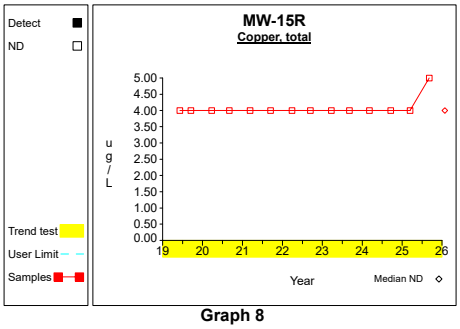

Graph 5



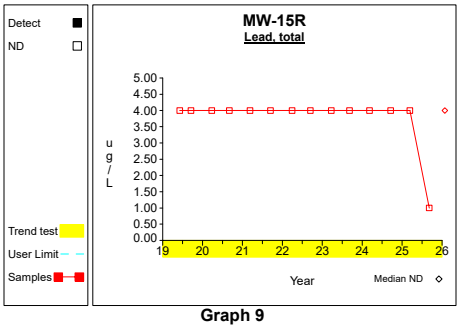

Graph 6



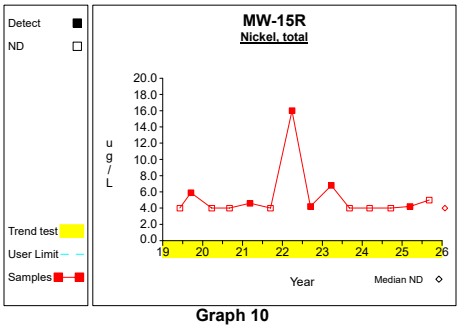

Graph 7



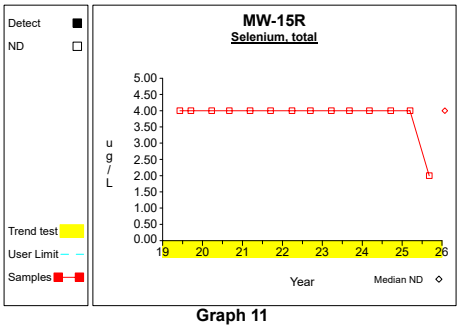

Graph 8



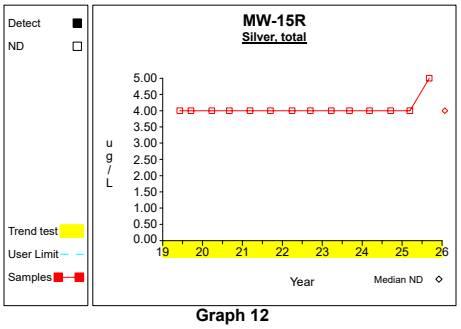

Graph 9



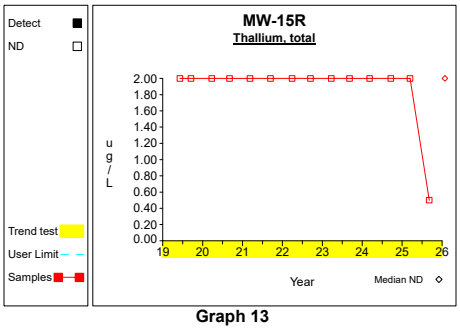

Graph 10



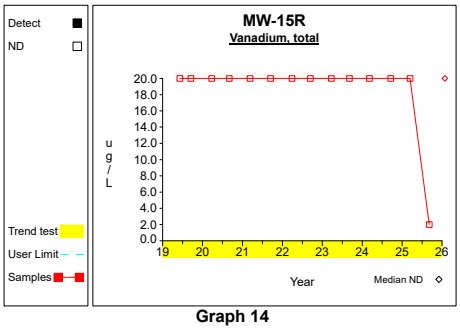

Graph 11



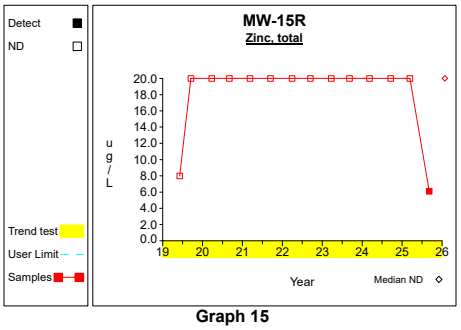

Graph 12




Graph 13



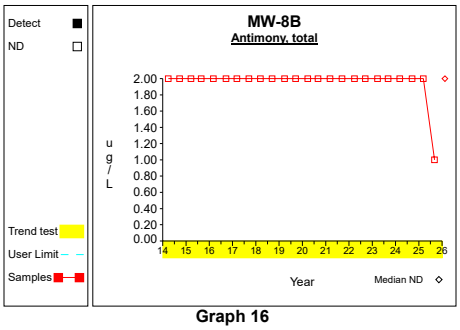

Graph 14



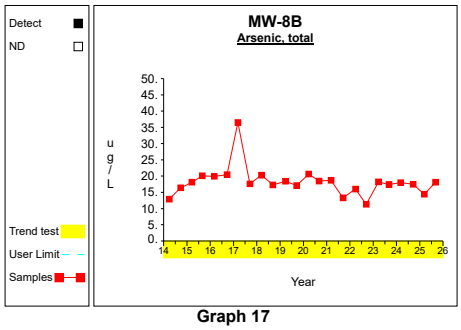

Graph 15

Prepared by: Otter Creek Environmental

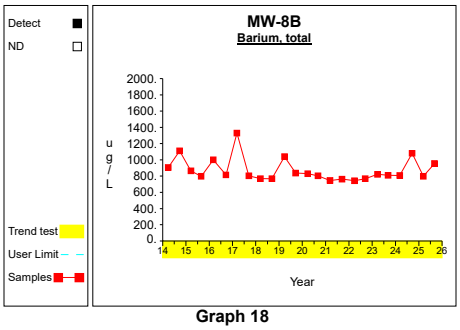
# Time Series



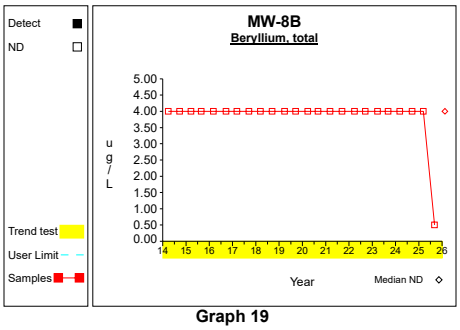
Graph 16



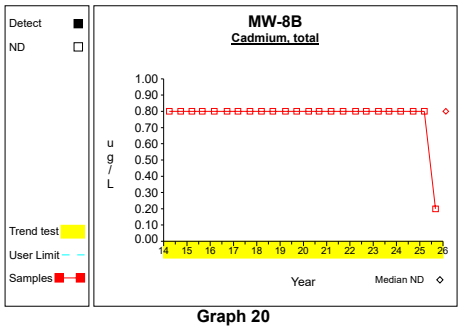
Graph 17



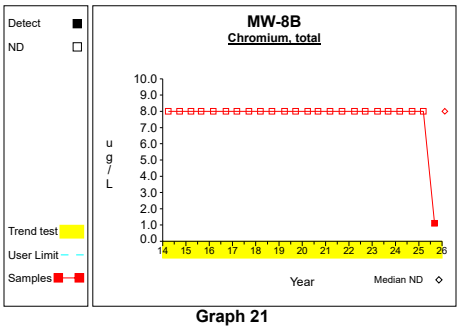
Graph 18



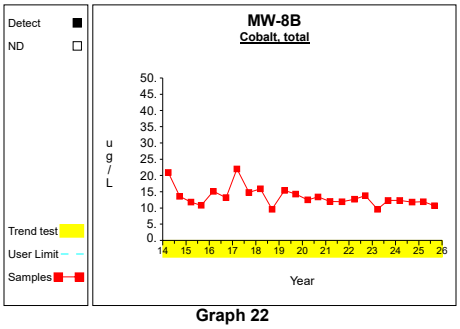
Graph 19



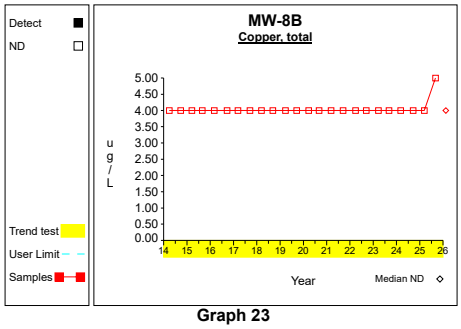
Graph 20



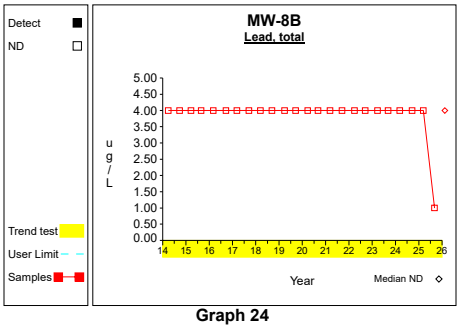
Graph 21



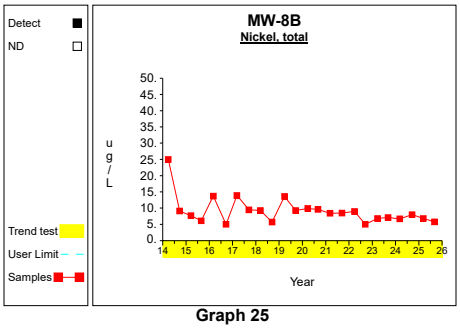
Graph 22



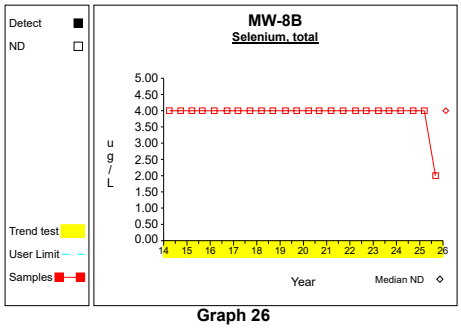
Graph 23



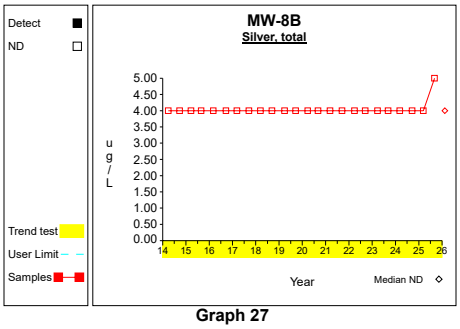
Graph 24



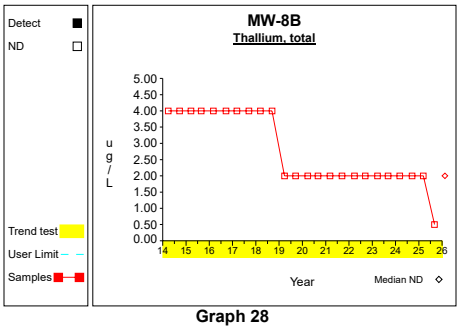
Graph 25



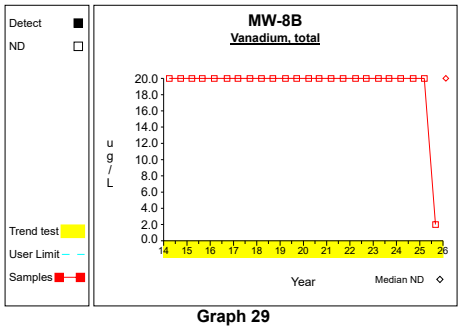
Graph 26



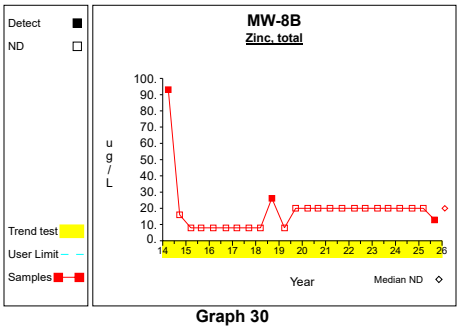
Graph 27



Graph 28



Graph 29



Graph 30

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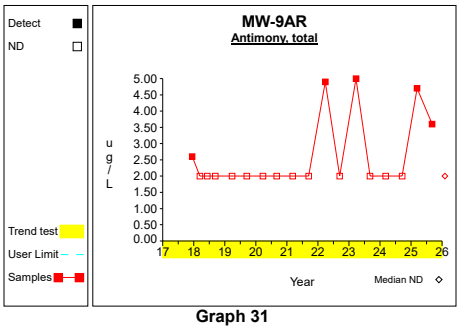
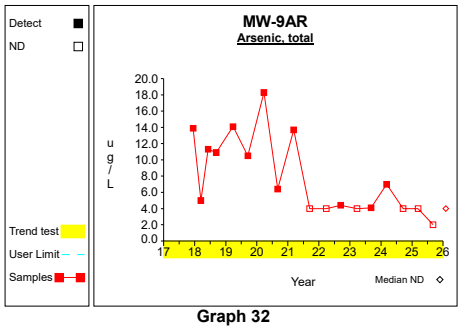
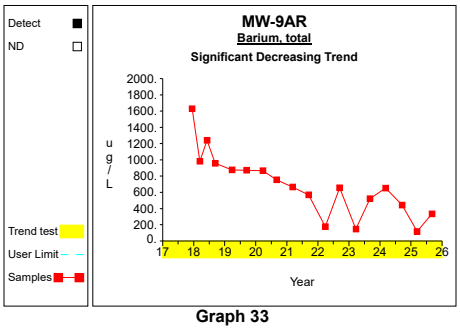
# Time Series



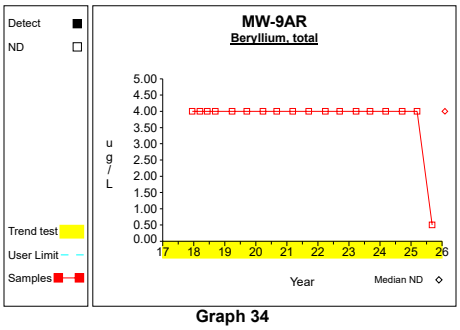

Graph 31



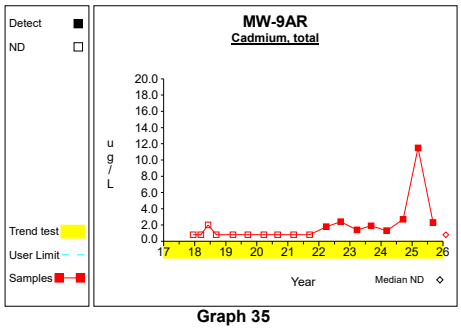

Graph 32



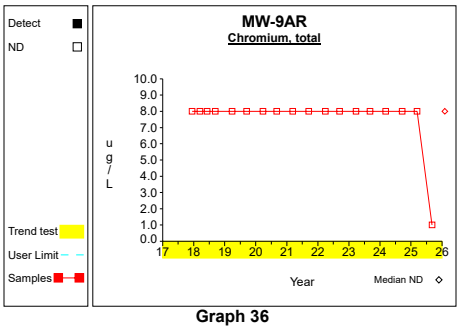

Graph 33



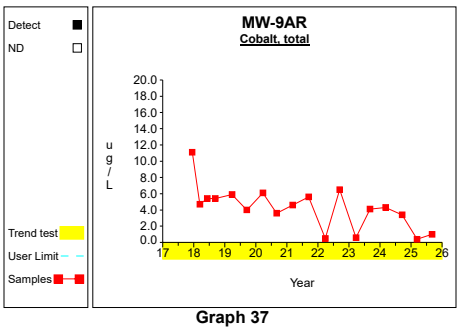

Graph 34



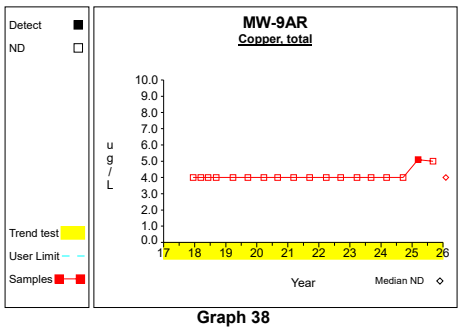

Graph 35



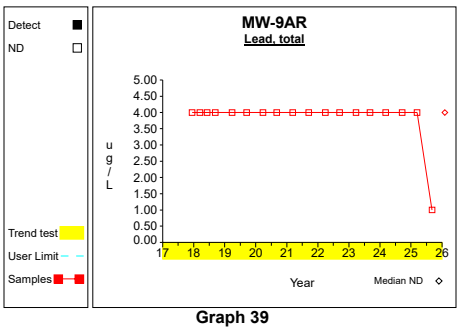

Graph 36



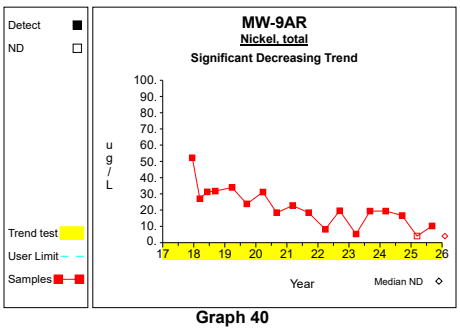

Graph 37



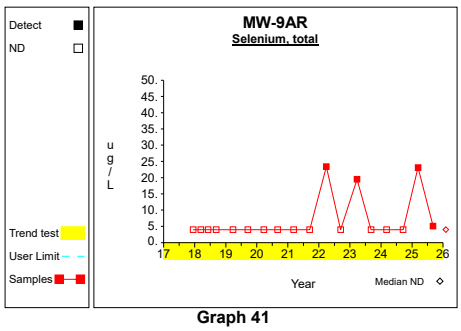

Graph 38



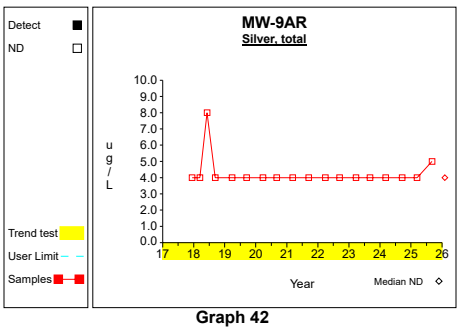

Graph 39



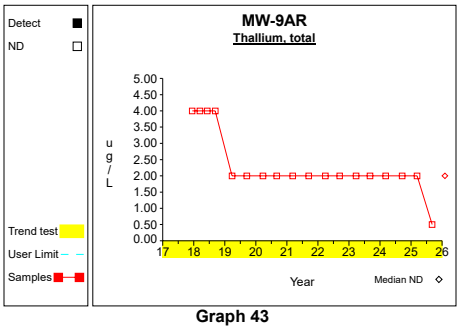

Graph 40



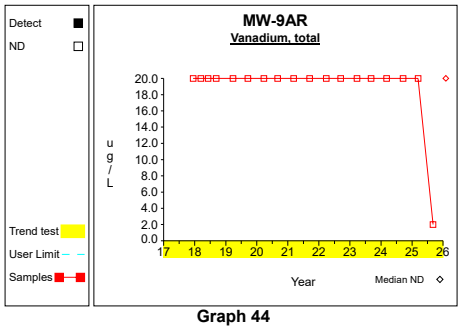

Graph 41



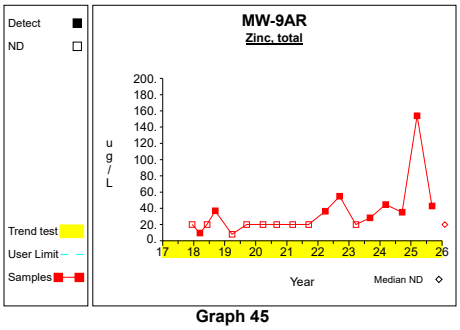

Graph 42




Graph 43




Graph 44




Graph 45

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**Attachment G**

Summary of Historical VOC Detections

## Table 1

## Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Acetone | MW-11C | 9/14/2017 | | 14.2 | 10.0 | ug/L |
| Trichloroethylene | MW-12A | 10/21/1992 | | 2.10 | .17 | ug/L |
| Benzene | MW-12B | 8/07/2006 | | 2.82 | .50 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-14D | 3/06/2024 | | 10 | 6 | ug/L |
| Chloroform | MW-14D | 9/24/2014 | | 1.6 | 1.0 | ug/L |
| Chloroform | MW-14D | 12/02/2014 | | 1.5 | 1.0 | ug/L |
| Chloroform | MW-14D | 9/05/2023 | | 1.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14D | 9/24/2014 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14D | 12/02/2014 | | 8.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-14D | 3/03/2016 | | 1.4 | 1.0 | ug/L |
| Carbon disulfide | MW-15R | 9/04/2025 | | 1 | 1 | ug/L |
| Methane | MW-15R | 9/18/2024 | | 14000 | 250 | ug/L |
| Methane | MW-15R | 3/11/2025 | | 7630 | 250 | ug/L |
| Methane | MW-15R | 9/04/2025 | | 7590 | 125 | ug/L |
| Acetone | MW-17R | 9/14/2017 | | 13.3 | 10.0 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-17R | 3/28/2022 | | 13 | 6 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/23/2014 | | 1.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/18/2015 | | 6.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 8/27/2015 | | 3.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/03/2016 | | 3.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/21/2016 | | 2.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/09/2017 | | 6.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/14/2017 | | 2.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/12/2018 | | 3.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/10/2018 | | 2.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/26/2019 | | 3.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/16/2019 | | 4.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/24/2020 | | 4.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/02/2020 | | 3.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/08/2021 | | 3.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/14/2021 | | 4.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/28/2022 | | 4.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/13/2022 | | 3.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/23/2023 | | 2.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/05/2023 | | 3.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 3/06/2024 | | 1.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-17R | 9/18/2024 | | 1.6 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-17R | 3/12/2018 | | 3.3 | 1.0 | ug/L |
| Acetone | MW-21 | 9/14/2017 | | 12 | 10 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/24/2014 | | 4.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 12/02/2014 | | 3.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/19/2015 | | 3.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 8/27/2015 | | 2.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 12/10/2015 | | 3.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 2/11/2016 | | 5.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/04/2016 | | 14.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 5/10/2016 | | 7.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/20/2016 | | 5.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/09/2017 | | 15.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/14/2017 | | 15.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/12/2018 | | 21.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/10/2018 | | 12.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/26/2019 | | 17.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/16/2019 | | 13.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/24/2020 | | 15.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/02/2020 | | 17.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/08/2021 | | 10.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 10/15/2021 | | 21.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/28/2022 | | 15.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/13/2022 | | 14.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/23/2023 | | 10.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/05/2023 | | 12.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/06/2024 | | 9.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/18/2024 | | 10.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 3/10/2025 | | 4.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-28 | 9/04/2025 | | 3.4 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-28 | 3/12/2018 | | 20.2 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-28 | 9/02/2020 | | 1.1 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 3/04/2016 | | 1.4 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 3/09/2017 | | 1.8 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 9/14/2017 | | 1.1 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 3/12/2018 | | 2.0 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 3/26/2019 | | 1.4 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 9/02/2020 | | 1.5 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 10/15/2021 | | 1.6 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 3/28/2022 | | 1.5 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Vinyl chloride | MW-28 | 3/23/2023 | | 1.2 | 1.0 | ug/L |
| Vinyl chloride | MW-28 | 9/18/2024 | | 1.3 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/24/2014 | | 4.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/19/2015 | | 5.4 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/03/2016 | | 5.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/20/2016 | | 5.2 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/09/2017 | | 6.2 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/14/2017 | | 6.1 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/12/2018 | | 6.3 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/10/2018 | | 3.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/26/2019 | | 6.0 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/16/2019 | | 5.0 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/02/2020 | | 4.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/08/2021 | | 4.6 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/28/2022 | | 4.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 3/23/2023 | | 3.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-31 | 9/18/2024 | | 1.0 | 1.0 | ug/L |
| Acetone | MW-31 | 9/14/2017 | | 15.0 | 10.0 | ug/L |
| Acetone | MW-31 | 9/18/2024 | | 40.5 | 10.0 | ug/L |
| Benzene | MW-31 | 9/24/2014 | | 3.9 | 1.0 | ug/L |
| Benzene | MW-31 | 3/19/2015 | | 5.2 | 1.0 | ug/L |
| Benzene | MW-31 | 3/03/2016 | | 4.0 | 1.0 | ug/L |
| Benzene | MW-31 | 9/20/2016 | | 3.3 | 1.0 | ug/L |
| Benzene | MW-31 | 3/09/2017 | | 5.0 | 1.0 | ug/L |
| Benzene | MW-31 | 9/14/2017 | | 4.0 | 1.0 | ug/L |
| Benzene | MW-31 | 3/12/2018 | | 5.0 | 1.0 | ug/L |
| Benzene | MW-31 | 9/10/2018 | | 2.1 | 1.0 | ug/L |
| Benzene | MW-31 | 3/26/2019 | | 1.5 | 1.0 | ug/L |
| Benzene | MW-31 | 9/16/2019 | | 1.5 | 1.0 | ug/L |
| Benzene | MW-31 | 9/02/2020 | | 1.3 | 1.0 | ug/L |
| Benzene | MW-31 | 3/08/2021 | | 1.2 | 1.0 | ug/L |
| Benzene | MW-31 | 3/28/2022 | | 1.4 | 1.0 | ug/L |
| Benzene | MW-31 | 3/23/2023 | | 1.4 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/24/2014 | | 7.1 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/19/2015 | | 7.9 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/03/2016 | | 7.6 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/20/2016 | | 7.0 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/09/2017 | | 8.4 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/14/2017 | | 8.6 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/12/2018 | | 8.6 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/10/2018 | | 6.2 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/26/2019 | | 5.9 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/16/2019 | | 4.5 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 9/02/2020 | | 2.7 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/08/2021 | | 3.0 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/28/2022 | | 2.9 | 1.0 | ug/L |
| Chlorobenzene | MW-31 | 3/23/2023 | | 1.9 | 1.0 | ug/L |
| Chloroethane | MW-31 | 9/14/2017 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-31 | 3/12/2018 | | 2.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-31 | 3/26/2019 | | 4.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-31 | 9/16/2019 | | 2.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-31 | 3/08/2021 | | 1.7 | 1.0 | ug/L |
| Vinyl chloride | MW-31 | 9/14/2017 | | 1.6 | 1.0 | ug/L |
| Vinyl chloride | MW-31 | 3/12/2018 | | 2.2 | 1.0 | ug/L |
| Vinyl chloride | MW-31 | 3/26/2019 | | 2.1 | 1.0 | ug/L |
| Vinyl chloride | MW-31 | 9/16/2019 | | 1.0 | 1.0 | ug/L |
| Vinyl chloride | MW-31 | 3/08/2021 | | 1.9 | 1.0 | ug/L |
| Xylenes, total | MW-31 | 3/09/2017 | | 3 | 2 | ug/L |
| Xylenes, total | MW-31 | 3/26/2019 | | 2 | 2 | ug/L |
| Chlorobenzene | MW-32 | 3/03/2016 | | 1.8 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 9/20/2016 | | 1.6 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/09/2017 | | 2.7 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 9/14/2017 | | 2.7 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/12/2018 | | 3.9 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 9/10/2018 | | 1.7 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/26/2019 | | 1.1 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 9/16/2019 | | 3.0 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/24/2020 | | 2.8 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 9/02/2020 | | 2.0 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/08/2021 | | 1.2 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/28/2022 | | 2.5 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/06/2024 | | 2.2 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 3/11/2025 | | 1.4 | 1.0 | ug/L |
| Chlorobenzene | MW-32 | 9/04/2025 | | 1.1 | 1.0 | ug/L |
| Chloromethane | MW-32 | 9/14/2017 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 9/24/2014 | | 2.2 | 1.0 | ug/L |

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

## Table 1

## Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Cis-1,2-dichloroethylene | MW-32 | 3/19/2015 | | 2.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 3/03/2016 | | 2.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 9/20/2016 | | 1.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 3/09/2017 | | 2.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 9/14/2017 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 3/26/2019 | | 1.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 9/16/2019 | | 2.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 3/24/2020 | | 1.5 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-32 | 3/28/2022 | | 1.0 | 1.0 | ug/L |
| Vinyl chloride | MW-32 | 9/24/2014 | | 2.1 | 1.0 | ug/L |
| Vinyl chloride | MW-32 | 3/19/2015 | | 2.2 | 1.0 | ug/L |
| Vinyl chloride | MW-32 | 3/03/2016 | | 1.8 | 1.0 | ug/L |
| Vinyl chloride | MW-32 | 3/09/2017 | | 1.2 | 1.0 | ug/L |
| Acetone | MW-44 | 7/12/2023 | | 11.1 | 10.0 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-44 | 3/06/2024 | | 14 | 6 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-44 | 9/18/2024 | | 10 | 6 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-44 | 3/11/2025 | | 6 | 6 | ug/L |
| Carbon disulfide | MW-44 | 9/04/2025 | | 1 | 1 | ug/L |
| Toluene | MW-44 | 9/05/2023 | | 2.2 | 1.0 | ug/L |
| Acetone | MW-45D | 9/18/2024 | | 38.2 | 10.0 | ug/L |
| Acetone | MW-45D | 12/09/2024 | | 10.0 | 10.0 | ug/L |
| Trichloroethylene | MW-4A | 10/28/1994 | | 5.10 | .17 | ug/L |
| Trichloroethylene | MW-4C | 6/15/2005 | | 1.29 | .17 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-6A | 3/26/2019 | | 55 | 6 | ug/L |
| Bis(2-ethylhexyl) phthalate | MW-6A | 3/24/2020 | | 7 | 6 | ug/L |
| Acetone | MW-8B | 9/20/2013 | | 11.7 | 10.0 | ug/L |
| Acetone | MW-8B | 3/23/2023 | | 12.2 | 10.0 | ug/L |
| Carbon disulfide | MW-8B | 9/04/2025 | | 1.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-8B | 4/22/2009 | | 1.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-8B | 1/27/2010 | | 1.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-8B | 3/19/2010 | | 1.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-8B | 9/14/2010 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-8B | 3/28/2014 | | 1.1 | 1.0 | ug/L |
| Methane | MW-8B | 3/24/2020 | | 1610.0 | 277.0 | ug/L |
| Methane | MW-8B | 9/02/2020 | | 213.0 | 9.0 | ug/L |
| Methane | MW-8B | 3/08/2021 | | 150.0 | 7.0 | ug/L |
| Methane | MW-8B | 9/18/2024 | | 70.8 | 5.0 | ug/L |
| Methane | MW-8B | 3/11/2025 | | 80.6 | 5.0 | ug/L |
| Methane | MW-8B | 9/04/2025 | | 166.0 | 5.0 | ug/L |
| Trichloroethylene | MW-8B | 7/21/1992 | | 2.10 | .17 | ug/L |
| Trichloroethylene | MW-8B | 10/21/1992 | | 2.10 | .17 | ug/L |
| 1,1-dichloroethane | MW-9AR | 12/13/2017 | | 2.1 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/12/2018 | | 2.1 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 6/06/2018 | | 1.6 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/10/2018 | | 1.9 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/26/2019 | | 1.7 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/16/2019 | | 1.5 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/24/2020 | | 1.5 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/02/2020 | | 1.4 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/08/2021 | | 1.4 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/14/2021 | | 1.4 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/28/2022 | | 1.3 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/13/2022 | | 1.2 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 9/05/2023 | | 1.5 | 1.0 | ug/L |
| 1,1-dichloroethane | MW-9AR | 3/06/2024 | | 1.3 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9AR | 3/12/2018 | | 1.1 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9AR | 9/14/2021 | | 1.0 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9AR | 3/28/2022 | | 1.4 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9AR | 3/23/2023 | | 1.3 | 1.0 | ug/L |
| 1,2-dichloropropane | MW-9AR | 3/06/2024 | | 1.1 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-9AR | 6/06/2018 | | 1.4 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-9AR | 9/10/2018 | | 1.4 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-9AR | 3/26/2019 | | 1.2 | 1.0 | ug/L |
| 1,4-dichlorobenzene | MW-9AR | 3/06/2024 | | 1.0 | 1.0 | ug/L |
| Benzene | MW-9AR | 12/13/2017 | | 2.4 | 1.0 | ug/L |
| Benzene | MW-9AR | 3/12/2018 | | 2.6 | 1.0 | ug/L |
| Benzene | MW-9AR | 6/06/2018 | | 2.8 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/10/2018 | | 3.2 | 1.0 | ug/L |
| Benzene | MW-9AR | 3/26/2019 | | 2.0 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/16/2019 | | 1.6 | 1.0 | ug/L |
| Benzene | MW-9AR | 3/24/2020 | | 1.5 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/02/2020 | | 2.0 | 1.0 | ug/L |
| Benzene | MW-9AR | 3/08/2021 | | 1.4 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/14/2021 | | 1.2 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/13/2022 | | 2.1 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/05/2023 | | 2.0 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Benzene | MW-9AR | 3/06/2024 | | 2.4 | 1.0 | ug/L |
| Benzene | MW-9AR | 9/18/2024 | | 1.5 | 1.0 | ug/L |
| Carbon disulfide | MW-9AR | 3/24/2020 | | 1.2 | 1.0 | ug/L |
| Carbon disulfide | MW-9AR | 9/04/2025 | | 1.1 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 12/13/2017 | | 1.7 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 3/12/2018 | | 1.5 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 6/06/2018 | | 4.4 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/10/2018 | | 4.7 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 3/26/2019 | | 4.3 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/16/2019 | | 5.5 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 3/24/2020 | | 3.8 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/02/2020 | | 5.9 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 3/08/2021 | | 3.6 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/14/2021 | | 3.4 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/13/2022 | | 3.0 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/05/2023 | | 5.8 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 3/06/2024 | | 5.8 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/18/2024 | | 4.3 | 1.0 | ug/L |
| Chlorobenzene | MW-9AR | 9/04/2025 | | 1.8 | 1.0 | ug/L |
| Chloroethane | MW-9AR | 9/10/2018 | | 2.6 | 1.0 | ug/L |
| Chloroethane | MW-9AR | 3/26/2019 | | 1.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 12/13/2017 | | 120.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/12/2018 | | 94.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 6/06/2018 | | 58.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/10/2018 | | 69.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/26/2019 | | 58.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/16/2019 | | 82.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/24/2020 | | 70.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/02/2020 | | 83.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/08/2021 | | 99.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/14/2021 | | 102.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/28/2022 | | 148.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/13/2022 | | 88.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/23/2023 | | 70.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/05/2023 | | 70.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/06/2024 | | 58.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/18/2024 | | 43.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 3/11/2025 | | 56.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | MW-9AR | 9/04/2025 | | 34.5 | 1.0 | ug/L |
| Methane | MW-9AR | 3/24/2020 | | 1940 | 187 | ug/L |
| Methane | MW-9AR | 9/02/2020 | | 1180 | 704 | ug/L |
| Methane | MW-9AR | 3/08/2021 | | 582 | 292 | ug/L |
| Methane | MW-9AR | 9/18/2024 | | 659 | 5 | ug/L |
| Methane | MW-9AR | 3/11/2025 | | 146 | 5 | ug/L |
| Methane | MW-9AR | 9/04/2025 | | 250 | 5 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 12/13/2017 | | 6.8 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/12/2018 | | 86.4 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 6/06/2018 | | 4.2 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/10/2018 | | 5.3 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/26/2019 | | 3.3 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/16/2019 | | 4.5 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/24/2020 | | 4.3 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/02/2020 | | 5.8 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/08/2021 | | 4.4 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/14/2021 | | 4.0 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/28/2022 | | 4.6 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/13/2022 | | 6.8 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/23/2023 | | 4.4 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/05/2023 | | 5.0 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/06/2024 | | 5.1 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/18/2024 | | 4.0 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 3/11/2025 | | 3.3 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | MW-9AR | 9/04/2025 | | 1.9 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/12/2018 | | 1.7 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 6/06/2018 | | 1.3 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/10/2018 | | 1.3 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/26/2019 | | 1.9 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/24/2020 | | 1.4 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/02/2020 | | 1.9 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/08/2021 | | 2.2 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/14/2021 | | 2.7 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/28/2022 | | 9.0 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/13/2022 | | 1.7 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/23/2023 | | 7.4 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/05/2023 | | 2.4 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/06/2024 | | 1.7 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Trichloroethylene | MW-9AR | 9/18/2024 | | 2.1 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 3/11/2025 | | 6.6 | 1.0 | ug/L |
| Trichloroethylene | MW-9AR | 9/04/2025 | | 2.5 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 12/13/2017 | | 19.7 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/12/2018 | | 31.5 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 6/06/2018 | | 39.2 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/10/2018 | | 50.7 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/26/2019 | | 24.7 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/16/2019 | | 27.6 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/24/2020 | | 30.4 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/02/2020 | | 33.5 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/08/2021 | | 24.4 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/14/2021 | | 24.1 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/28/2022 | | 1.4 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/13/2022 | | 39.3 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/23/2023 | | 1.2 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/05/2023 | | 32.8 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 3/06/2024 | | 45.1 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/18/2024 | | 28.2 | 1.0 | ug/L |
| Vinyl chloride | MW-9AR | 9/04/2025 | | 8.2 | 1.0 | ug/L |
| Acetone | Pond-109 | 9/14/2017 | | 14.5 | 10.0 | ug/L |
| Cis-1,2-dichloroethylene | Pond-109 | 3/26/2019 | | 21.4 | 5.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-1 | 9/16/2019 | | 1.2 | 1.0 | ug/L |
| Acetone | SW-101 | 9/14/2017 | | 13.7 | 10.0 | ug/L |
| Bis(2-ethylhexyl) phthalate | SW-101 | 3/09/2017 | | 25 | 8 | ug/L |
| Acetone | SW-102 | 9/14/2017 | | 12.3 | 10.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-102 | 9/26/2011 | | 2 | 1 | ug/L |
| Acetone | SW-103 | 9/14/2017 | | 16.6 | 10.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 9/24/2014 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 12/02/2014 | | 6.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 3/19/2015 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 3/04/2016 | | 25.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 5/10/2016 | | 6.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 3/09/2017 | | 1.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 9/14/2017 | | 2.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-103 | 3/12/2018 | | 4.5 | 1.0 | ug/L |
| Vinyl chloride | SW-103 | 12/02/2014 | | 11.5 | 1.0 | ug/L |
| Vinyl chloride | SW-103 | 3/04/2016 | | 10.7 | 1.0 | ug/L |
| Vinyl chloride | SW-103 | 3/09/2017 | | 1.6 | 1.0 | ug/L |
| Vinyl chloride | SW-103 | 9/14/2017 | | 5.4 | 1.0 | ug/L |
| Vinyl chloride | SW-103 | 3/12/2018 | | 3.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-106 | 3/03/2016 | | 1 | 1 | ug/L |
| Cis-1,2-dichloroethylene | SW-109 | 2/11/2016 | | 7.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | SW-109 | 3/04/2016 | | 6.1 | 1.0 | ug/L |
| 2-butanone (mek) | SW-2B | 10/29/2009 | | 237 | 5 | ug/L |
| Acetone | SW-2B | 10/29/2009 | | 124 | 10 | ug/L |
| Trichloroethylene | SW-2B | 6/15/2005 | | 1.61 | .17 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/20/2016 | | 1.3 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 11/09/2016 | | 1.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/09/2017 | | 2.6 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/14/2017 | | 4.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/12/2018 | | 5.6 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/10/2018 | | 1.7 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/26/2019 | | 1.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/24/2020 | | 1.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/02/2020 | | 3.7 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/08/2021 | | 1.6 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/14/2021 | | 2.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/28/2022 | | 1.4 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/13/2022 | | 2.3 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/23/2023 | | 1.6 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/05/2023 | | 4.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/06/2024 | | 1.8 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/18/2024 | | 3.3 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 3/10/2025 | | 1.5 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 1 | 9/04/2025 | | 3.9 | 1.0 | ug/L |
| Acetone | TILE 1 | 9/14/2017 | | 18.1 | 10.0 | ug/L |
| Benzene | TILE 1 | 11/09/2016 | | 1.6 | 1.0 | ug/L |
| Benzene | TILE 1 | 3/09/2017 | | 2.2 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/14/2017 | | 2.7 | 1.0 | ug/L |
| Benzene | TILE 1 | 3/12/2018 | | 3.7 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/02/2020 | | 1.9 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/14/2021 | | 1.1 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/13/2022 | | 2.1 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/05/2023 | | 3.0 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/18/2024 | | 1.8 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Benzene | TILE 1 | 3/10/2025 | | 1.6 | 1.0 | ug/L |
| Benzene | TILE 1 | 9/04/2025 | | 2.5 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/20/2016 | | 3.4 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 11/09/2016 | | 3.6 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/09/2017 | | 7.9 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/14/2017 | | 5.8 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/12/2018 | | 7.2 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/10/2018 | | 4.3 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/26/2019 | | 3.0 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 6/05/2019 | | 4.9 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/16/2019 | | 4.1 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/24/2020 | | 3.9 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/02/2020 | | 4.4 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/08/2021 | | 2.7 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/14/2021 | | 2.7 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/28/2022 | | 2.9 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/13/2022 | | 3.0 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/23/2023 | | 2.9 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/05/2023 | | 5.6 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/06/2024 | | 1.8 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/18/2024 | | 4.3 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 3/10/2025 | | 5.7 | 1.0 | ug/L |
| Chlorobenzene | TILE 1 | 9/04/2025 | | 7.0 | 1.0 | ug/L |
| Chloroform | TILE 1 | 9/16/2019 | | 1.4 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 9/20/2016 | | 7.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 11/09/2016 | | 2.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 3/09/2017 | | 3.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 3/12/2018 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 3/26/2019 | | 3.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 6/05/2019 | | 5.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 9/16/2019 | | 3.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 3/24/2020 | | 3.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 9/02/2020 | | 1.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 9/14/2021 | | 1.0 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 1 | 9/04/2025 | | 1.8 | 1.0 | ug/L |
| Trans-1,2-dichloroethylene | TILE 1 | 3/12/2018 | | 1.1 | 1.0 | ug/L |
| Vinyl chloride | TILE 1 | 9/20/2016 | | 3.0 | 1.0 | ug/L |
| Vinyl chloride | TILE 1 | 11/09/2016 | | 3.6 | 1.0 | ug/L |
| Vinyl chloride | TILE 1 | 3/09/2017 | | 4.0 | 1.0 | ug/L |
| Vinyl chloride | TILE 1 | 9/02/2020 | | 1.2 | 1.0 | ug/L |
| Vinyl chloride | TILE 1 | 9/04/2025 | | 1.4 | 1.0 | ug/L |
| 1,4-dichlorobenzene | TILE 2 | 3/26/2019 | | 1 | 1 | ug/L |
| Chlorobenzene | TILE 2 | 3/26/2019 | | 2.0 | 1.0 | ug/L |
| Chlorobenzene | TILE 2 | 6/05/2019 | | 1.2 | 1.0 | ug/L |
| Chlorobenzene | TILE 2 | 9/16/2019 | | 2.2 | 1.0 | ug/L |
| Chlorobenzene | TILE 2 | 3/24/2020 | | 1.0 | 1.0 | ug/L |
| Chlorobenzene | TILE 2 | 9/02/2020 | | 1.1 | 1.0 | ug/L |
| Chlorobenzene | TILE 2 | 9/18/2024 | | 1.1 | 1.0 | ug/L |
| Chlorobenzene | TILE 2 | 9/04/2025 | | 2.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/10/2018 | | 6.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/26/2019 | | 19.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 6/05/2019 | | 18.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/16/2019 | | 5.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/24/2020 | | 10.6 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/02/2020 | | 1.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/08/2021 | | 8.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/14/2021 | | 3.8 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/28/2022 | | 2.7 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/13/2022 | | 4.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/23/2023 | | 6.2 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/05/2023 | | 2.3 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/06/2024 | | 6.9 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/18/2024 | | 2.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 3/10/2025 | | 1.1 | 1.0 | ug/L |
| Cis-1,2-dichloroethylene | TILE 2 | 9/04/2025 | | 4.1 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 3/26/2019 | | 6.2 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/16/2019 | | 8.3 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 3/24/2020 | | 3.5 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/02/2020 | | 4.7 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 3/08/2021 | | 2.4 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/14/2021 | | 3.3 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 3/28/2022 | | 1.3 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/13/2022 | | 1.6 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 3/23/2023 | | 1.9 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/05/2023 | | 1.6 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 3/06/2024 | | 1.0 | 1.0 | ug/L |

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

## Table 1

### Historical Volatile Organic Compound Detections

| Constituent | Well | Date | Identifier | Result | Limit | Units |
|---|---|---|---|---|---|---|
| Vinyl chloride | TILE 2 | 9/18/2024 | | 2.7 | 1.0 | ug/L |
| Vinyl chloride | TILE 2 | 9/04/2025 | | 4.2 | 1.0 | ug/L |

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

**Attachment H**

Assessment Statistics for Verified VOCs

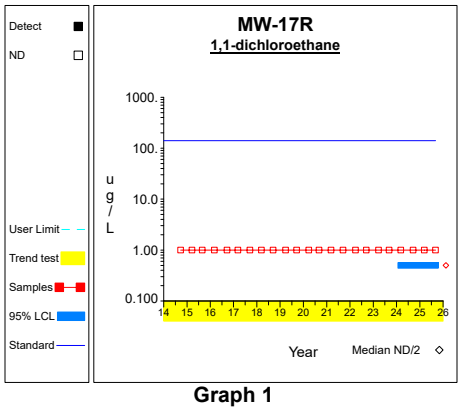
## Table 1

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

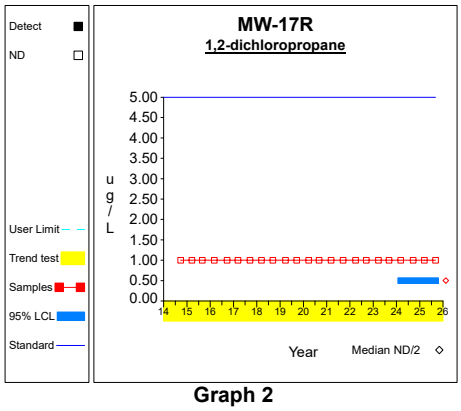
| Constituent | Units | Well | N | Mean | SD | Factor | 95% LCL | 95% UCL | Standard | Trend |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-dichloroethane | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | |
| 1,2-dichloropropane | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| 1,4-dichlorobenzene | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | |
| Benzene | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| Chlorobenzene | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | |
| Cis-1,2-dichloroethylene | ug/L | MW-17R | 4 | 0.925 | 0.532 | 1.176 | 0.300 | 1.550 | 70.000 | |
| Trans-1,2-dichloroethylene | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | |
| Trichloroethylene | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| Vinyl chloride | ug/L | MW-17R | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | |
| 1,1-dichloroethane | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | |
| 1,2-dichloropropane | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| 1,4-dichlorobenzene | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | |
| Benzene | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| Chlorobenzene | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | |
| Cis-1,2-dichloroethylene | ug/L | MW-28 | 4 | 7.075 | 3.494 | 1.176 | 2.965 | 11.185 | 70.000 | |
| Trans-1,2-dichloroethylene | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | |
| Trichloroethylene | ug/L | MW-28 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| Vinyl chloride | ug/L | MW-28 | 4 | 0.700 | 0.400 | 1.176 | 0.229 | 1.171 | 2.000 | |
| 1,1-dichloroethane | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | |
| 1,2-dichloropropane | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| 1,4-dichlorobenzene | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | |
| Benzene | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| Chlorobenzene | ug/L | MW-32 | 4 | 1.300 | 0.707 | 1.176 | 0.468 | 2.132 | 100.000 | |
| Cis-1,2-dichloroethylene | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 70.000 | |
| Trans-1,2-dichloroethylene | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | |
| Trichloroethylene | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| Vinyl chloride | ug/L | MW-32 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 2.000 | |
| 1,1-dichloroethane | ug/L | MW-9AR | 4 | 0.700 | 0.400 | 1.176 | 0.229 | 1.171 | 140.000 | dec |
| 1,2-dichloropropane | ug/L | MW-9AR | 4 | 0.650 | 0.300 | 1.176 | 0.297 | 1.003 | 5.000 | |
| 1,4-dichlorobenzene | ug/L | MW-9AR | 4 | 0.625 | 0.250 | 1.176 | 0.331 | 0.919 | 75.000 | |
| Benzene | ug/L | MW-9AR | 4 | 1.225 | 0.914 | 1.176 | 0.150 | 2.300 | 5.000 | |
| Chlorobenzene | ug/L | MW-9AR | 4 | 3.100 | 2.393 | 1.176 | 0.285 | 5.915 | 100.000 | |
| Cis-1,2-dichloroethylene | ug/L | MW-9AR | 4 | 48.350 | 11.409 | 1.176 | 34.930 | 61.770 | 70.000 | |
| Trans-1,2-dichloroethylene | ug/L | MW-9AR | 4 | 3.575 | 1.340 | 1.176 | 1.999 | 5.151 | 100.000 | |
| Trichloroethylene | ug/L | MW-9AR | 4 | 3.225 | 2.274 | 1.176 | 0.551 | 5.899 | 5.000 | inc |
| Vinyl chloride | ug/L | MW-9AR | 4 | 20.500 | 20.131 | 1.176 | 0.000 | 44.180 | 2.000 | |
| 1,1-dichloroethane | ug/L | TILE 1 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | |
| 1,2-dichloropropane | ug/L | TILE 1 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| 1,4-dichlorobenzene | ug/L | TILE 1 | 4 | 2.625 | 1.159 | 1.176 | 1.262 | 3.988 | 75.000 | |
| Benzene | ug/L | TILE 1 | 4 | 1.600 | 0.829 | 1.176 | 0.625 | 2.575 | 5.000 | |
| Chlorobenzene | ug/L | TILE 1 | 4 | 4.700 | 2.226 | 1.176 | 2.082 | 7.318 | 100.000 | |
| Cis-1,2-dichloroethylene | ug/L | TILE 1 | 4 | 0.825 | 0.650 | 1.176 | 0.060 | 1.590 | 70.000 | |
| Trans-1,2-dichloroethylene | ug/L | TILE 1 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | |
| Trichloroethylene | ug/L | TILE 1 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| Vinyl chloride | ug/L | TILE 1 | 4 | 0.725 | 0.450 | 1.176 | 0.196 | 1.254 | 2.000 | |
| 1,1-dichloroethane | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 140.000 | |
| 1,2-dichloropropane | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| 1,4-dichlorobenzene | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 75.000 | |
| Benzene | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| Chlorobenzene | ug/L | TILE 2 | 4 | 1.075 | 0.802 | 1.176 | 0.132 | 2.018 | 100.000 | |
| Cis-1,2-dichloroethylene | ug/L | TILE 2 | 4 | 3.550 | 2.558 | 1.176 | 0.541 | 6.559 | 70.000 | |
| Trans-1,2-dichloroethylene | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 100.000 | |
| Trichloroethylene | ug/L | TILE 2 | 4 | 0.500 | 0.000 | 1.176 | 0.500 | 0.500 | 5.000 | |
| Vinyl chloride | ug/L | TILE 2 | 4 | 2.100 | 1.687 | 1.176 | 0.115 | 4.085 | 2.000 | |

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

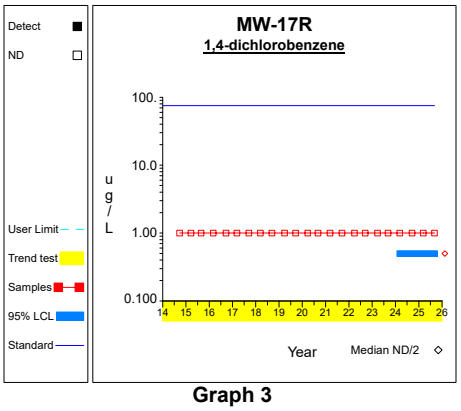
# Confidence Limits (Assessment)



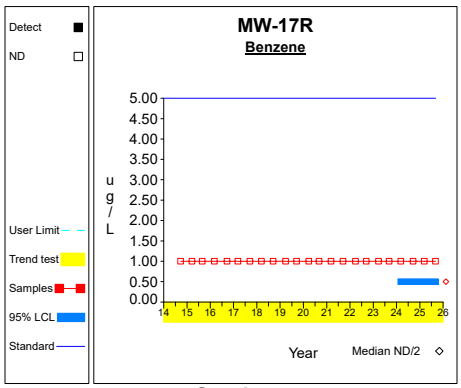

Graph 1




Graph 2




Graph 3

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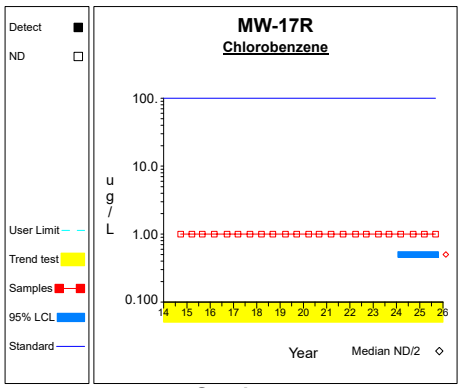


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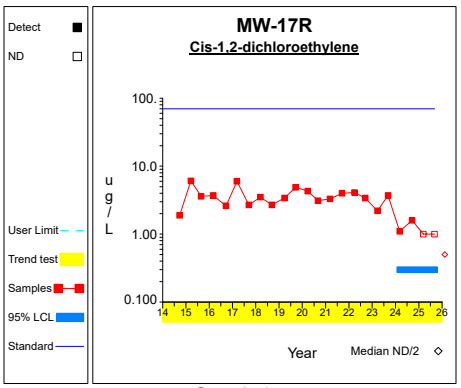


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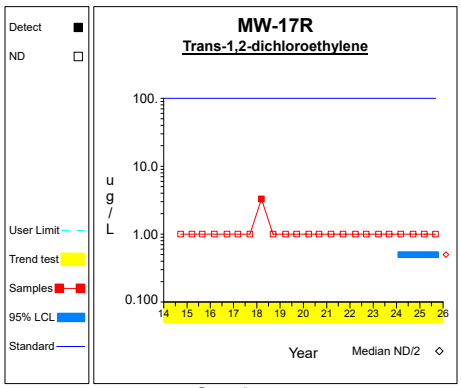


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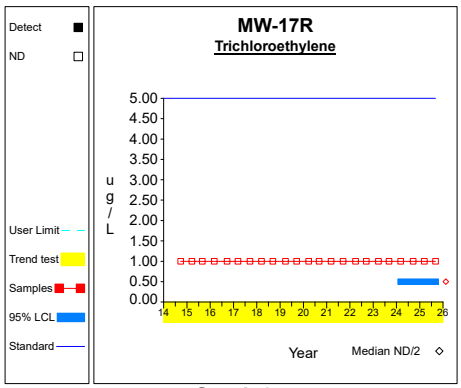


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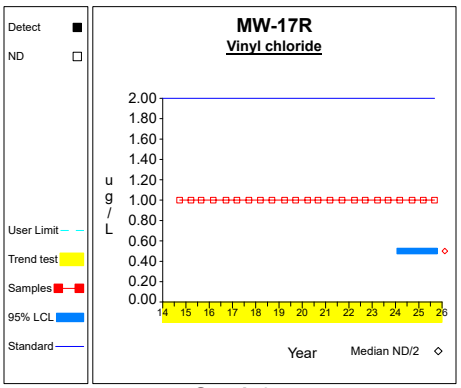
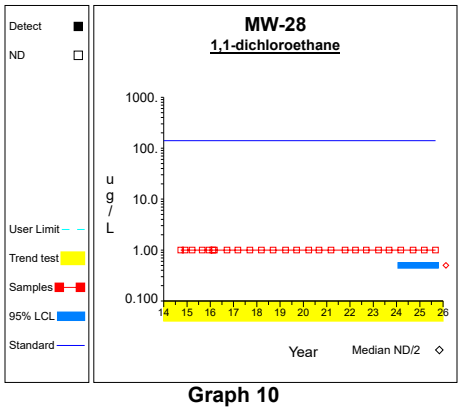
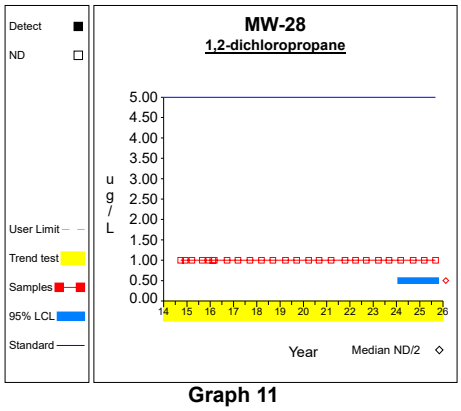



Graph 9

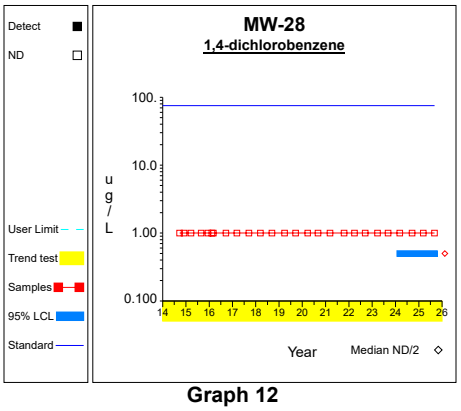
# Confidence Limits (Assessment)



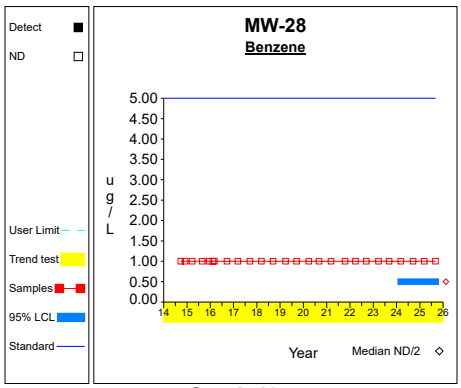

Graph 10



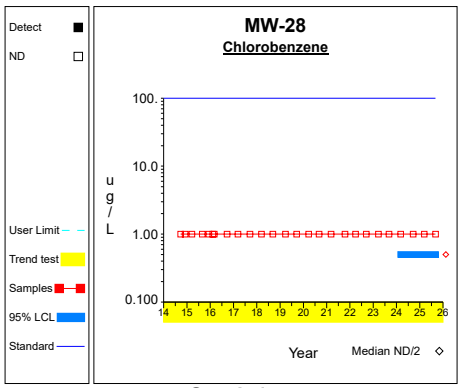

Graph 11



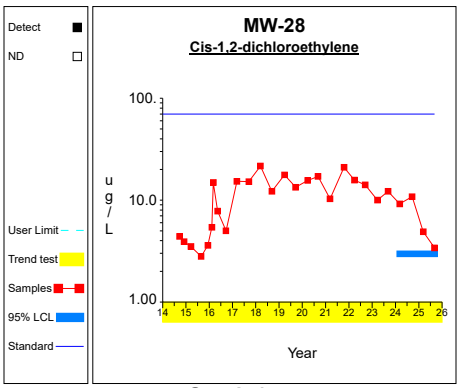

Graph 12



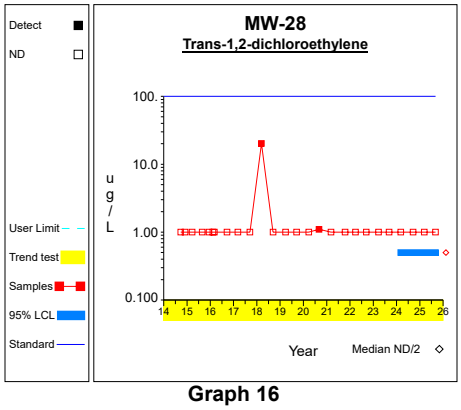

Graph 13



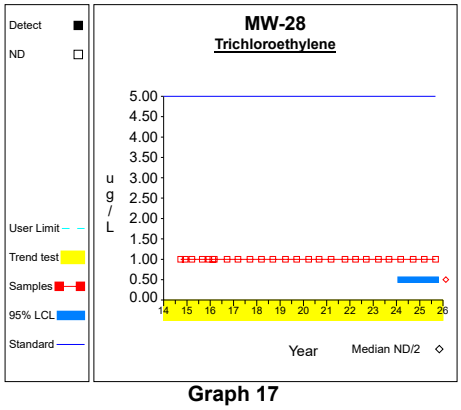

Graph 14



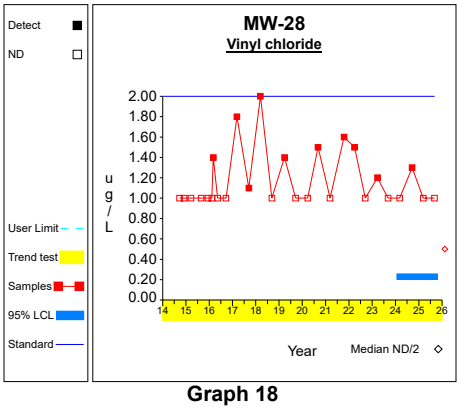

Graph 15




Graph 16

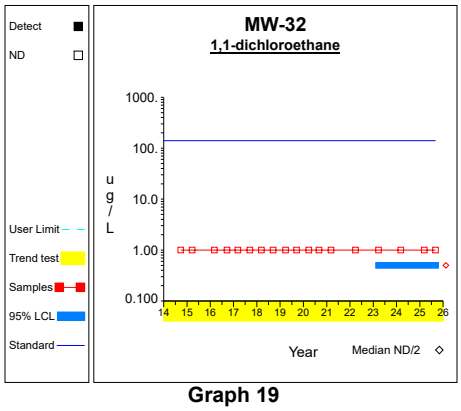



Graph 17

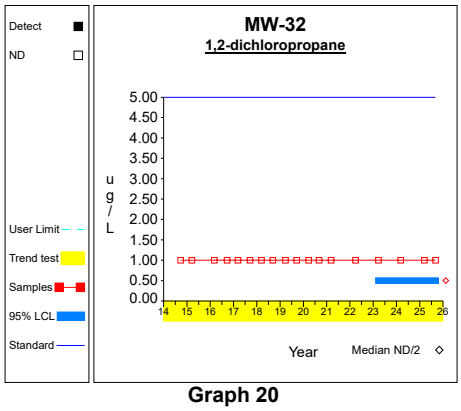



Graph 18

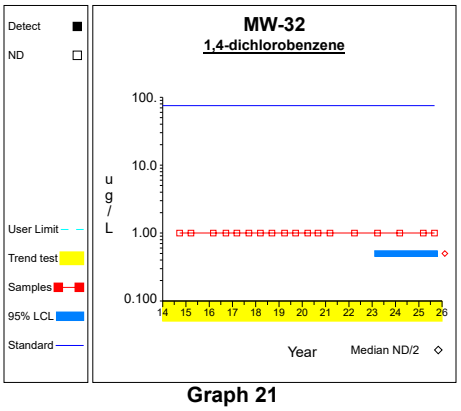
# Confidence Limits (Assessment)



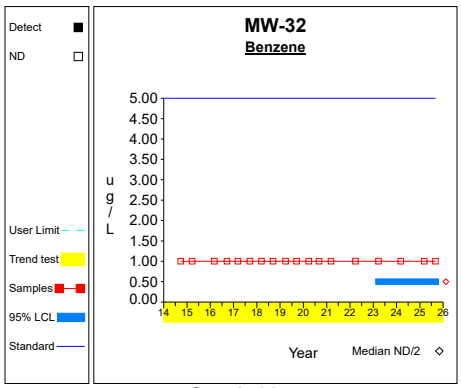

Graph 19



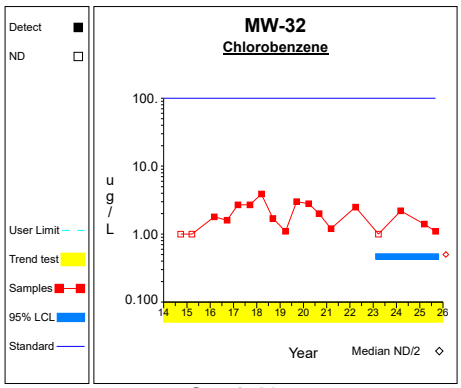

Graph 20



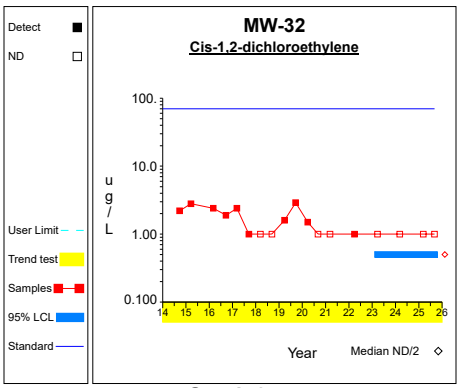

Graph 21



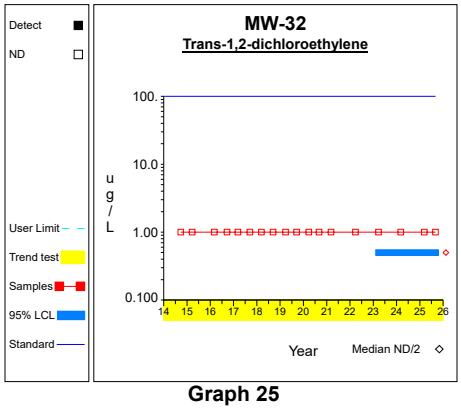

Graph 22



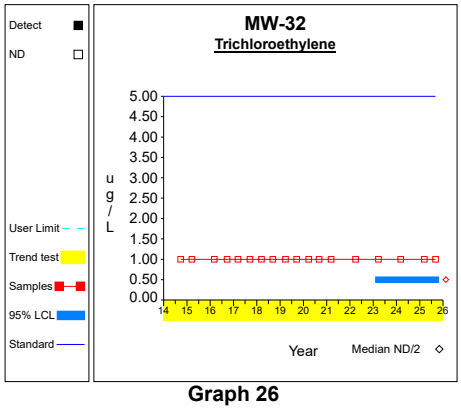

Graph 23



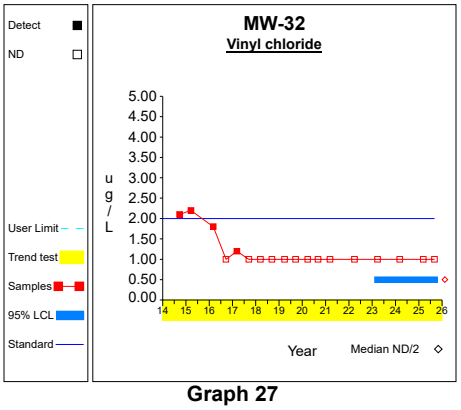

Graph 24




Graph 25

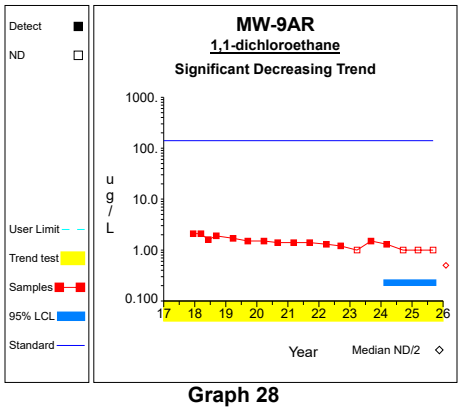



Graph 26

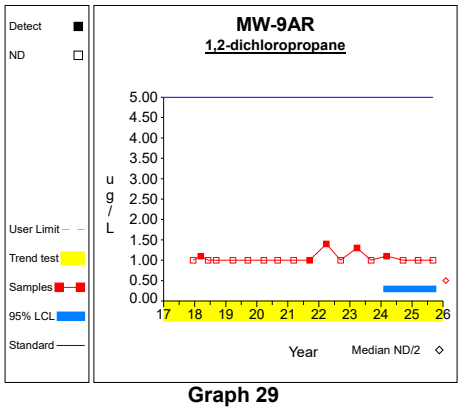



Graph 27

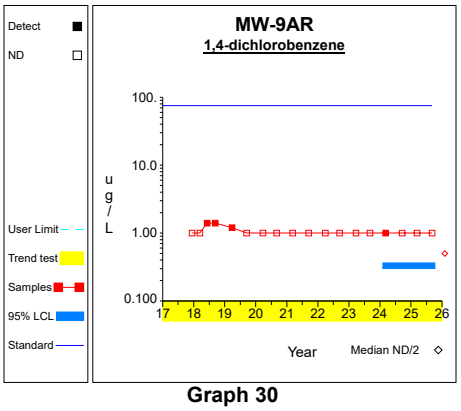
# Confidence Limits (Assessment)



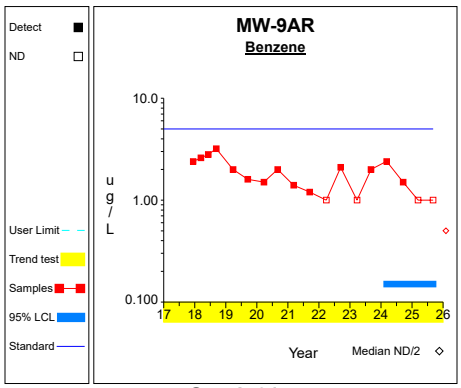

Graph 28



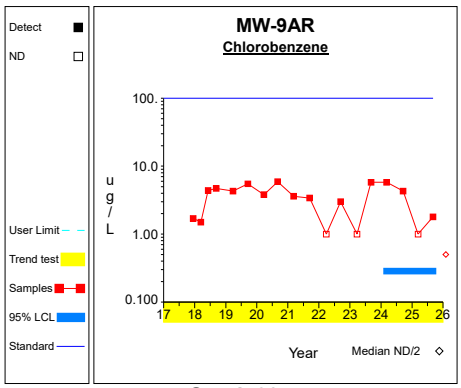

Graph 29



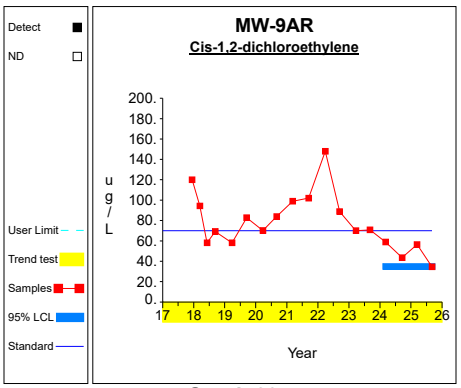

Graph 30



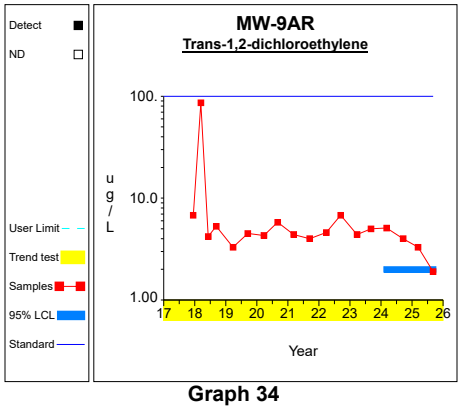

Graph 31



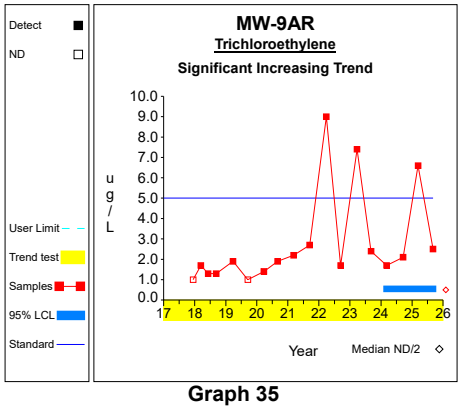

Graph 32



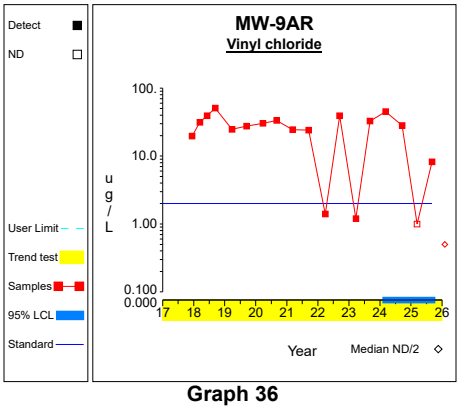

Graph 33




Graph 34

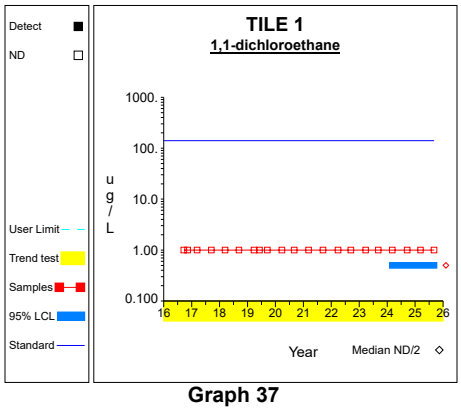



Graph 35

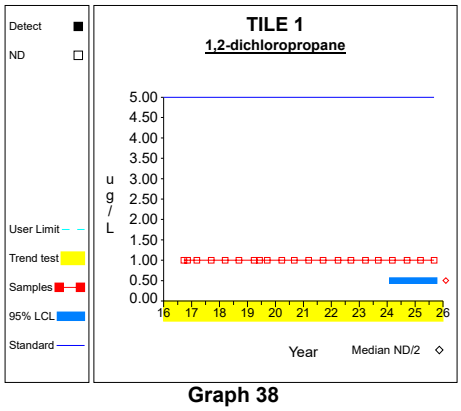



Graph 36

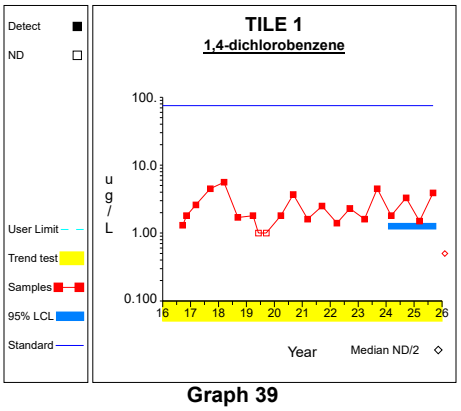
# Confidence Limits (Assessment)



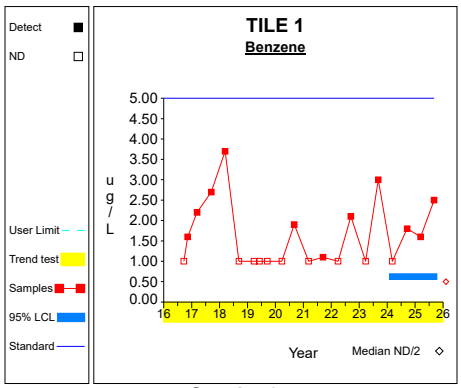

Graph 37



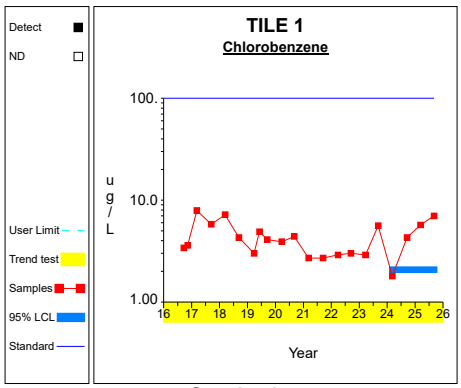

Graph 38



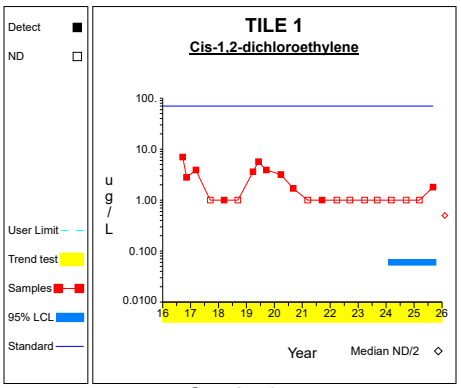

Graph 39



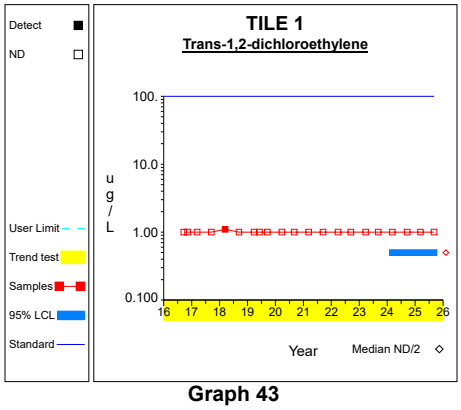

Graph 40



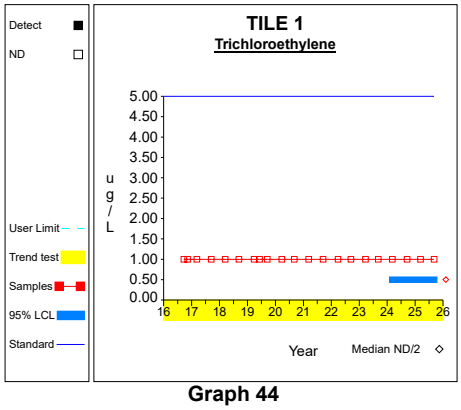

Graph 41



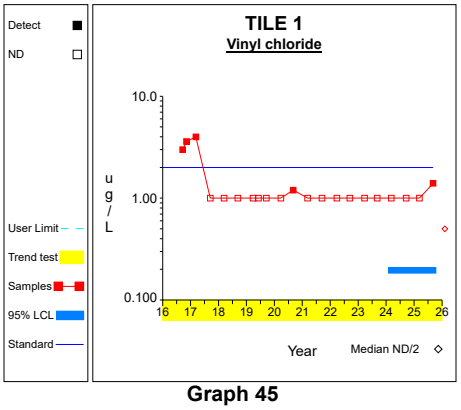

Graph 42




Graph 43

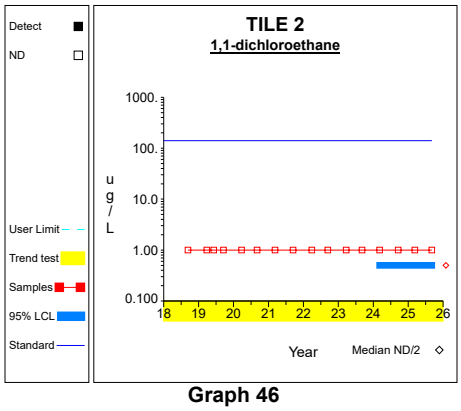



Graph 44

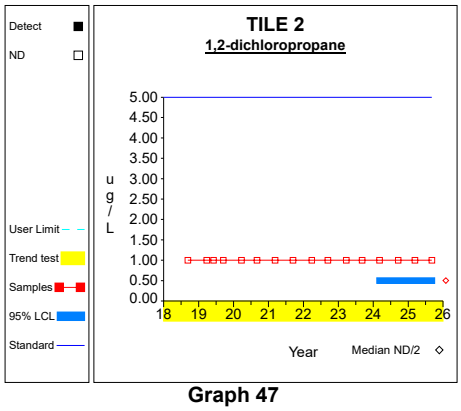



Graph 45

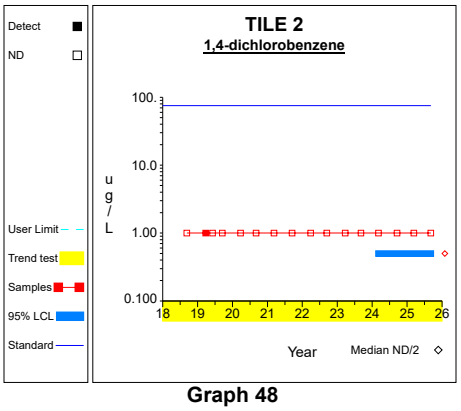
# Confidence Limits (Assessment)



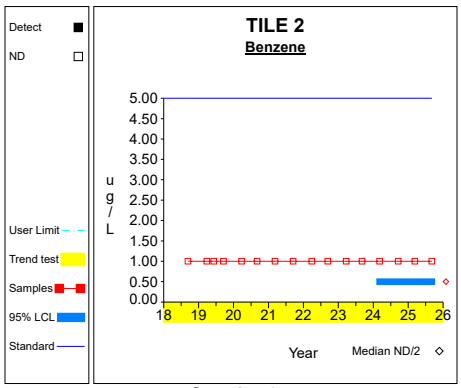

Graph 46



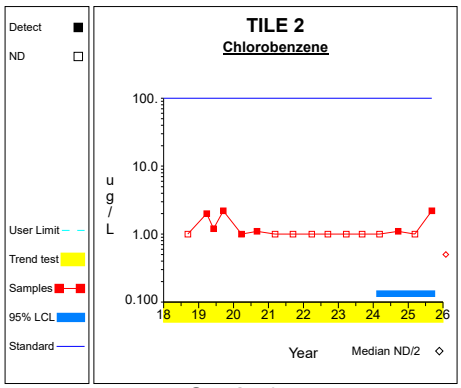

Graph 47



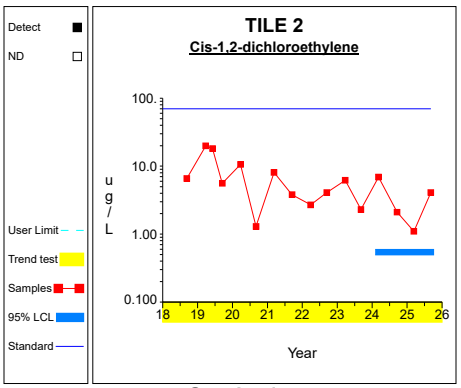

Graph 48



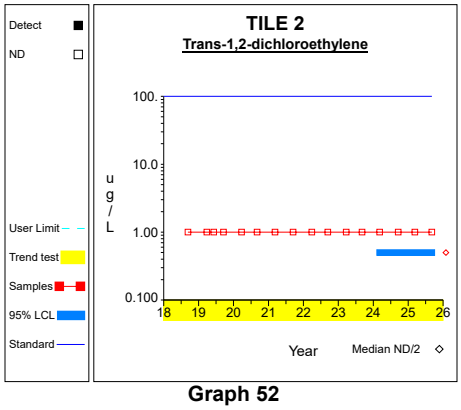

Graph 49



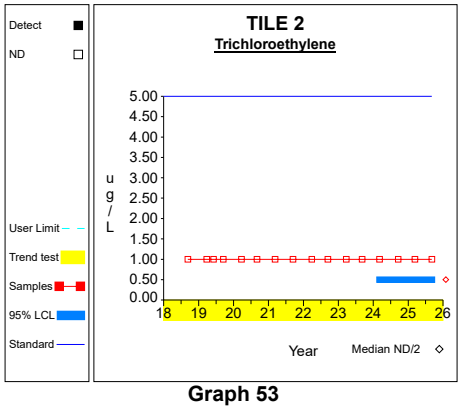

Graph 50



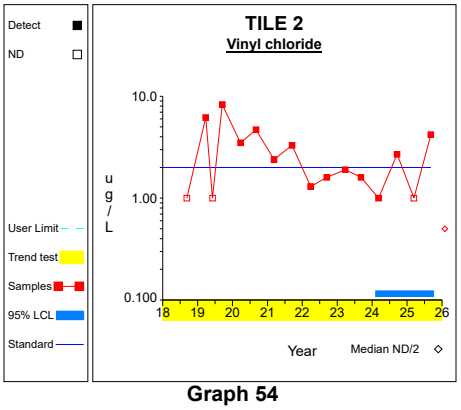

Graph 51




Graph 52




Graph 53




Graph 54

# Appendix D

## Laboratory Reports for Reporting Period

*With Chain of Custody*

Microbac Laboratories, Inc., Newton

# CERTIFICATE OF ANALYSIS

1IC0827

Project Description

6022

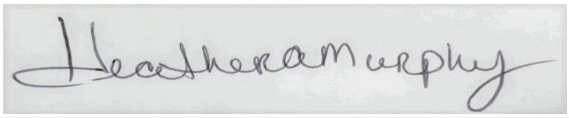
For:

Todd Whipple

**HLW Engineering**

204 West Broad St

Story City, IA 50248



Heather Murphy

Customer Relationship Specialist

Friday, March 28, 2025

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

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

MICROBAC®

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC0827

**HLW Engineering**

Todd Whipple
204 West Broad St
Story City, IA 50248

**Project Name: 6022**

Project / PO Number: N/A
Received: 03/12/2025
Reported: 03/28/2025

**Sample Summary Report**

| Sample Name | Laboratory ID | Client Matrix | Sample Type | Sample Begin | Sample Taken | Lab Received |
|---|---|---|---|---|---|---|
| MW-34A | 1IC0827-01 | Aqueous | GRAB | | 03/11/25 12:54 | 03/12/25 10:26 |
| MW-18 | 1IC0827-02 | Aqueous | GRAB | | 03/11/25 13:05 | 03/12/25 10:26 |
| MW-6A | 1IC0827-03 | Aqueous | GRAB | | 03/11/25 14:31 | 03/12/25 10:26 |
| MW-21 | 1IC0827-04 | Aqueous | GRAB | | 03/11/25 09:47 | 03/12/25 10:26 |
| TILE-1 | 1IC0827-05 | Aqueous | GRAB | | 03/10/25 16:02 | 03/12/25 10:26 |
| TILE 2 | 1IC0827-06 | Aqueous | GRAB | | 03/10/25 16:13 | 03/12/25 10:26 |
| MW-11C | 1IC0827-07 | Aqueous | GRAB | | 03/11/25 09:13 | 03/12/25 10:26 |
| MW-39D | 1IC0827-08 | Aqueous | GRAB | | 03/11/25 13:40 | 03/12/25 10:26 |
| MW-41D | 1IC0827-09 | Aqueous | GRAB | | 03/11/25 13:58 | 03/12/25 10:26 |
| MW-42D | 1IC0827-10 | Aqueous | GRAB | | 03/11/25 08:40 | 03/12/25 10:26 |
| MW-17R | 1IC0827-11 | Aqueous | GRAB | | 03/11/25 10:05 | 03/12/25 10:26 |
| MW-28 | 1IC0827-12 | Aqueous | GRAB | | 03/10/25 15:07 | 03/12/25 10:26 |
| MW-8B | 1IC0827-13 | Aqueous | GRAB | | 03/11/25 10:23 | 03/12/25 10:26 |
| MW-9AR | 1IC0827-14 | Aqueous | GRAB | | 03/11/25 11:14 | 03/12/25 10:26 |
| MW-14D | 1IC0827-15 | Aqueous | GRAB | | 03/11/25 11:56 | 03/12/25 10:26 |
| MW-15R | 1IC0827-16 | Aqueous | GRAB | | 03/11/25 10:41 | 03/12/25 10:26 |
| SW-1 | 1IC0827-17 | Aqueous | GRAB | | 03/10/25 15:42 | 03/12/25 10:26 |
| SW-2B | 1IC0827-18 | Aqueous | GRAB | | 03/10/25 15:31 | 03/12/25 10:26 |
| SW-102 | 1IC0827-19 | Aqueous | GRAB | | 03/10/25 15:25 | 03/12/25 10:26 |
| Duplicate | 1IC0827-20 | Aqueous | GRAB | | 03/10/25 00:00 | 03/12/25 10:26 |
| GU-2 | 1IC0827-21 | Aqueous | GRAB | | 03/10/25 17:07 | 03/12/25 10:26 |
| GU-A | 1IC0827-22 | Aqueous | GRAB | | 03/10/25 16:57 | 03/12/25 10:26 |
| GU-B | 1IC0827-23 | Aqueous | GRAB | | 03/10/25 16:44 | 03/12/25 10:26 |
| MW-44 | 1IC0827-24 | Aqueous | GRAB | | 03/11/25 14:55 | 03/12/25 10:26 |
| MW-45A | 1IC0827-25 | Aqueous | GRAB | | 03/11/25 08:15 | 03/12/25 10:26 |
| MW-45D | 1IC0827-26 | Aqueous | GRAB | | 03/11/25 08:24 | 03/12/25 10:26 |
| MW-31 | 1IC0827-27 | Aqueous | GRAB | | 03/11/25 11:36 | 03/12/25 10:26 |
| MW-32 | 1IC0827-28 | Aqueous | GRAB | | 03/11/25 11:02 | 03/12/25 10:26 |
| LW-26 | 1IC0827-29 | Aqueous | GRAB | | 03/11/25 12:20 | 03/12/25 10:26 |

**Analytical Testing Parameters**

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-34A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-01 | **Collection Date:** | 03/11/2025 12:54 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |

# CERTIFICATE OF ANALYSIS

## 1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-34A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-01 | **Collection Date:** | 03/11/2025 12:54 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Surrogate: Dibromofluoromethane | 68.4 | Limit: 57-134 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Surrogate: Dibromofluoromethane | 68.4 | Limit: 75-136 | % Rec | 1 | **S2** | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 68.4 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 68.4 | Limit: 61-142 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Surrogate: Toluene-d8 | 105 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Surrogate: Toluene-d8 | 105 | Limit: 82-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Surrogate: 4-Bromofluorobenzene | 91.3 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |
| Surrogate: 4-Bromofluorobenzene | 91.3 | Limit: 80-116 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1204 | BDF |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Arsenic, total | **0.0138** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Barium, total | **0.0419** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Cobalt, total | **0.0040** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Nickel, total | **0.0109** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1451 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-18 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-02 | **Collection Date:** | 03/11/2025 13:05 |

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 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Barium, total | **0.560** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Cadmium, total | **0.0012** | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Cobalt, total | **0.0004** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Copper, total | **0.0041** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Nickel, total | **0.0120** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Selenium, total | **0.0096** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |
| Zinc, total | **0.0341** | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1528 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-03 | **Collection Date:** | 03/11/2025 14:31 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Dichlorodifluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Acrolein | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Methyl Iodide | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Acetonitrile | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 2,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 2-Butanone (MEK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,1-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Ethyl Methacrylate | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,3-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-03 | **Collection Date:** | 03/11/2025 14:31 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,3-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,2-Dibromo-3-chloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| 1,2,4-Trichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Allyl chloride | <1.0 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1736 | RAF |
| Chloroprene | <1.0 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1736 | RAF |
| Methacrylonitrile | <1.0 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1736 | RAF |
| Methyl Methacrylate | <1.0 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1736 | RAF |
| Propionitrile | <10.0 | 10.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1736 | RAF |
| Surrogate: Dibromofluoromethane | 109 | Limit: 57-134 | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1736 | RAF |
| Surrogate: Dibromofluoromethane | 71.0 | Limit: 57-134 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 69.4 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 69.4 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 101 | Limit: 53-140 | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1736 | RAF |
| Surrogate: Toluene-d8 | 103 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Surrogate: Toluene-d8 | 98.4 | Limit: 86-114 | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1736 | RAF |
| Surrogate: Toluene-d8 | 103 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Surrogate: 4-Bromofluorobenzene | 92.8 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Surrogate: 4-Bromofluorobenzene | 92.8 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1226 | BDF |
| Surrogate: 4-Bromofluorobenzene | 96.7 | Limit: 78-121 | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1736 | RAF |

| Determination of General Solvents | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 8015C** | | | | | | | | |
| Isobutanol | <1.0 | 1.0 | mg/L | 1 | | 03/21/25 1147 | 03/23/25 0037 | PDS |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3520C/EPA 8270C** | | | | | | | | |
| N-Nitrosodimethylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Methyl Methanesulfonate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| N-Nitrosodiethylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| N-Nitrosomethylethylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Ethyl Methanesulfonate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-03 | **Collection Date:** | 03/11/2025 14:31 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Phenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Bis(2-Chloroethyl) Ether | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2-Chlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Benzyl Alcohol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2-Methylphenol (o-Cresol) | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Bis[2-Chloroisopropyl]ether | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| n-Nitroso-di-n-propylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| N-Nitrosopyrrolidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Acetophenone | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| o-Toluidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| (3 & 4)-Methylphenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Hexachloroethane | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Nitrobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| N-Nitrosopiperidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Isophorone | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2-Nitrophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2,4-Dimethylphenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Bis (2-Chloroethoxy) Methane | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2,4-Dichlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Naphthalene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 4-Chloroaniline | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2,6-Dichlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Hexachloropropene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Hexachlorobutadiene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| N-Nitrosodi-n-butylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 1,4-Phenylenediamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 4-Chloro-3-methylphenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2-Methylnaphthalene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Isosafrole | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 1,2,4,5-Tetrachlorobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Hexachlorocyclopentadiene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2,4,6-Trichlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2,4,5-Trichlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Safrole | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2-Chloronaphthalene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2-Nitroaniline | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 1,4-Naphthoquinone | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Dimethylphthalate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 1,3-Dinitrobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 1,2-Dinitrobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2,6-Dinitrotoluene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Acenaphthylene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 3-Nitroaniline | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-03 | **Collection Date:** | 03/11/2025 14:31 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2,4-Dinitrophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 4-Nitrophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Dibenzofuran | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2,4-Dinitrotoluene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2,3,4,6-Tetrachlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Pentachlorobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 1-Naphthylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2-Naphthylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Diethyl Phthalate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Fluorene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 4-Chlorophenyl Phenyl Ether | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 4-Nitroaniline | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 5-Nitro-o-toluidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 4,6-Dinitro-2-methylphenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| N-Nitrosodiphenylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Diphenylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Azobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Diallate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 1,3,5-Trinitrobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Phenacetin | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 4-Bromophenyl Phenyl Ether | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 4-Aminobiphenyl | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Pentachlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Pronamide | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Pentachloronitrobenzene (PCNB) | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Phenanthrene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Anthracene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Di-n-butyl Phthalate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Methapyrilene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Fluoranthene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Isodrin | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Chlorobenzilate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Pyrene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| p-(Dimethylamino)azobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 3,3-Dimethylbenzidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Butyl Benzyl Phthalate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Benzo(a)anthracene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Chrysene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Bis(2-Ethylhexyl) Phthalate | <6 | 6 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Kepone | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 3,3´-Dichlorobenzidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 2-Acetylaminofluorene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-03 | **Collection Date:** | 03/11/2025 14:31 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Di-n-octyl Phthalate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Benzo(b)Fluoranthene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 7,12-Dimethylbenz [a] anthracene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Benzo(k)Fluoranthene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Benzo(a)Pyrene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| 3-Methylcholanthrene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Dibenzo(a,h)anthracene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Indeno(1,2,3-cd)Pyrene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Benzo(g,h,i)perylene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Surrogate: 2-Fluorophenol | 64.5 | Limit: 10-149 | % Rec | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Surrogate: Phenol-d6 | 67.6 | Limit: 10-143 | % Rec | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Surrogate: Nitrobenzene-d5 | 69.0 | Limit: 20-149 | % Rec | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Surrogate: 2-Fluorobiphenyl | 71.1 | Limit: 11-146 | % Rec | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 83.8 | Limit: 10-153 | % Rec | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |
| Surrogate: Terphenyl-dl4 | 74.9 | Limit: 27-155 | % Rec | 1 | | 03/17/25 1417 | 03/24/25 2019 | EPP |

| Determination of Organochlorine Insecticides & Metabolites | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3510C/EPA 8081** | | | | | | | | |
| Alpha-BHC | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Gamma-BHC [Lindane] | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Beta-BHC | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Heptachlor | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Delta-BHC | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Aldrin | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Heptachlor Epoxide | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Endosulfan I | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| 4,4`-DDE | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Dieldrin | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Endrin | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| 4,4`-DDD | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Endosulfan II | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| 4,4`-DDT | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Endrin Aldehyde | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Endosulfan Sulfate | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Methoxychlor | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Chlordane | <0.23 | 0.23 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Toxaphene | <0.45 | 0.45 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Hexachlorobenzene | <0.11 | 0.11 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |
| Surrogate: Tetrachloro-m-xylene | 84.5 | Limit: 40-116 | % Rec | 1 | | 03/17/25 1421 | 03/21/25 1258 | EPP |

| Determination of Polychlorinated Biphenyls (PCB) | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3510C/EPA 8082** | | | | | | | | |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-03 | **Collection Date:** | 03/11/2025 14:31 |

| Determination of Polychlorinated Biphenyls (PCB) | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Arochlor 1016 | <0.45 | 0.45 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1258 | EPP |
| Arochlor 1221 | <0.45 | 0.45 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1258 | EPP |
| Arochlor 1232 | <0.45 | 0.45 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1258 | EPP |
| Arochlor 1242 | <0.45 | 0.45 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1258 | EPP |
| Arochlor 1248 | <0.45 | 0.45 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1258 | EPP |
| Arochlor 1254 | <0.45 | 0.45 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1258 | EPP |
| Arochlor 1260 | <0.45 | 0.45 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1258 | EPP |
| Surrogate: Tetrachloro-m-xylene | 84.5 | Limit: 37-120 | % Rec | 1 | | 03/17/25 1424 | 03/21/25 1258 | EPP |
| Surrogate: Decachlorobiphenyl | 73.3 | Limit: 22-116 | % Rec | 1 | | 03/17/25 1424 | 03/21/25 1258 | EPP |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 376.2** | | | | | | | | |
| Sulfide, total | <0.10 | 0.10 | mg/L | 1 | | | 03/17/25 0928 | AKK |
| **EPA 9014** | | | | | | | | |
| Cyanide, total | <0.010 | 0.010 | mg/L | 1 | | 03/20/25 0716 | 03/21/25 0908 | CES |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Barium, total | **0.0855** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Cobalt, total | **0.0068** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Nickel, total | **0.0228** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Tin, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1534 | RVV |
| **EPA 7470A** | | | | | | | | |
| Mercury, total | <0.00050 | 0.00050 | mg/L | 1 | | 03/20/25 1533 | 03/21/25 1436 | JAR |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-21 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-04 | **Collection Date:** | 03/11/2025 9:47 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-21 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-04 | **Collection Date:** | 03/11/2025 9:47 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Surrogate: Dibromofluoromethane | 67.9 | Limit: 57-134 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Surrogate: Dibromofluoromethane | 67.9 | Limit: 75-136 | % Rec | 1 | **S2** | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 66.4 | Limit: 61-142 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 66.4 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Surrogate: Toluene-d8 | 104 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Surrogate: Toluene-d8 | 104 | Limit: 82-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Surrogate: 4-Bromofluorobenzene | 95.7 | Limit: 80-116 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |
| Surrogate: 4-Bromofluorobenzene | 95.7 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1249 | BDF |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Barium, total | **0.142** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1540 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | TILE-1 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-05 | **Collection Date:** | 03/10/2025 16:02 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Benzene | **1.6** | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/20/25 2239 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/20/25 2239 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Chlorobenzene | **5.7** | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | TILE-1 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-05 | **Collection Date:** | 03/10/2025 16:02 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,4-Dichlorobenzene | **1.5** | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/20/25 2239 | CSM |
| Surrogate: Dibromofluoromethane | 76.5 | Limit: 75-136 | % Rec | 1 | | 03/20/25 0000 | 03/20/25 2239 | CSM |
| Surrogate: Dibromofluoromethane | 94.7 | Limit: 57-134 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Surrogate: Dibromofluoromethane | 94.7 | Limit: 75-136 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 74.9 | Limit: 61-142 | % Rec | 1 | | 03/20/25 0000 | 03/20/25 2239 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 84.4 | Limit: 53-140 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 84.4 | Limit: 61-142 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Surrogate: Toluene-d8 | 107 | Limit: 82-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Surrogate: Toluene-d8 | 106 | Limit: 82-121 | % Rec | 1 | | 03/20/25 0000 | 03/20/25 2239 | CSM |
| Surrogate: Toluene-d8 | 107 | Limit: 86-114 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Surrogate: 4-Bromofluorobenzene | 105 | Limit: 80-116 | % Rec | 1 | | 03/20/25 0000 | 03/20/25 2239 | CSM |
| Surrogate: 4-Bromofluorobenzene | 91.6 | Limit: 78-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |
| Surrogate: 4-Bromofluorobenzene | 91.6 | Limit: 80-116 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1836 | CSM |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Barium, total | **0.739** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Cobalt, total | **0.0021** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Nickel, total | **0.0097** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1546 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | TILE 2 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-06 | **Collection Date:** | 03/10/2025 16:13 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| cis-1,2-Dichloroethylene | **1.1** | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/20/25 2301 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/20/25 2301 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | TILE 2 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-06 | **Collection Date:** | 03/10/2025 16:13 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/20/25 2301 | CSM |
| Surrogate: Dibromofluoromethane | 72.7 | Limit: 75-136 | % Rec | 1 | **S2** | 03/20/25 0000 | 03/20/25 2301 | CSM |
| Surrogate: Dibromofluoromethane | 92.0 | Limit: 57-134 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Surrogate: Dibromofluoromethane | 92.0 | Limit: 75-136 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 71.6 | Limit: 61-142 | % Rec | 1 | | 03/20/25 0000 | 03/20/25 2301 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 80.9 | Limit: 53-140 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 80.9 | Limit: 61-142 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Surrogate: Toluene-d8 | 107 | Limit: 82-121 | % Rec | 1 | | 03/20/25 0000 | 03/20/25 2301 | CSM |
| Surrogate: Toluene-d8 | 94.9 | Limit: 86-114 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Surrogate: Toluene-d8 | 94.9 | Limit: 82-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Surrogate: 4-Bromofluorobenzene | 105 | Limit: 80-116 | % Rec | 1 | | 03/20/25 0000 | 03/20/25 2301 | CSM |
| Surrogate: 4-Bromofluorobenzene | 94.8 | Limit: 78-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |
| Surrogate: 4-Bromofluorobenzene | 94.8 | Limit: 80-116 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1859 | CSM |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Barium, total | **0.451** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Cobalt, total | **0.0006** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Nickel, total | **0.0040** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1552 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-11C | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-07 | **Collection Date:** | 03/11/2025 9:13 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-11C | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-07 | **Collection Date:** | 03/11/2025 9:13 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Surrogate: Dibromofluoromethane | 76.1 | Limit: 57-134 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Surrogate: Dibromofluoromethane | 76.1 | Limit: 75-136 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 73.3 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 73.3 | Limit: 61-142 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Surrogate: Toluene-d8 | 105 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Surrogate: Toluene-d8 | 105 | Limit: 82-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Surrogate: 4-Bromofluorobenzene | 96.3 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |
| Surrogate: 4-Bromofluorobenzene | 96.3 | Limit: 80-116 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 0947 | BDF |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Barium, total | **0.0816** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1558 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-39D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-08 | **Collection Date:** | 03/11/2025 13:40 |

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 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Barium, total | **0.0269** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Cobalt, total | **0.0011** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1604 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-41D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-09 | **Collection Date:** | 03/11/2025 13:58 |

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 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Barium, total | **0.0327** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Cobalt, total | **0.0013** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1610 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-42D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-10 | **Collection Date:** | 03/11/2025 8:40 |

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 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Barium, total | **0.0299** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1629 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-17R | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-11 | **Collection Date:** | 03/11/2025 10:05 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-17R | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-11 | **Collection Date:** | 03/11/2025 10:05 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Surrogate: Dibromofluoromethane | 73.6 | Limit: 57-134 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Surrogate: Dibromofluoromethane | 73.6 | Limit: 75-136 | % Rec | 1 | S2 | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 71.9 | Limit: 61-142 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 71.9 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Surrogate: Toluene-d8 | 104 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Surrogate: Toluene-d8 | 104 | Limit: 82-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Surrogate: 4-Bromofluorobenzene | 92.1 | Limit: 80-116 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |
| Surrogate: 4-Bromofluorobenzene | 92.1 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1010 | BDF |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Barium, total | **0.410** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Cobalt, total | **0.0019** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Nickel, total | **0.0225** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1635 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-28 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-12 | **Collection Date:** | 03/10/2025 15:07 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| cis-1,2-Dichloroethylene | **4.9** | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0137 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0137 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-28 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-12 | **Collection Date:** | 03/10/2025 15:07 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0137 | CSM |
| Surrogate: Dibromofluoromethane | 94.9 | Limit: 75-136 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Surrogate: Dibromofluoromethane | 94.9 | Limit: 57-134 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Surrogate: Dibromofluoromethane | 72.7 | Limit: 75-136 | % Rec | 1 | **S2** | 03/20/25 0000 | 03/21/25 0137 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 84.1 | Limit: 53-140 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 84.1 | Limit: 61-142 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 71.4 | Limit: 61-142 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0137 | CSM |
| Surrogate: Toluene-d8 | 105 | Limit: 86-114 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Surrogate: Toluene-d8 | 105 | Limit: 82-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Surrogate: Toluene-d8 | 108 | Limit: 82-121 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0137 | CSM |
| Surrogate: 4-Bromofluorobenzene | 93.4 | Limit: 78-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Surrogate: 4-Bromofluorobenzene | 93.4 | Limit: 80-116 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1921 | CSM |
| Surrogate: 4-Bromofluorobenzene | 103 | Limit: 80-116 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0137 | CSM |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Arsenic, total | **0.0648** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Barium, total | **1.34** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Cobalt, total | **0.0590** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Nickel, total | **0.0240** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1641 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-8B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-13 | **Collection Date:** | 03/11/2025 10:23 |

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

| Volatile Organic Compounds by GCMS | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA RSK-175** | | | | | | | | |
| Methane | **80.6** | 5.00 | ug/L | 1 | | 03/18/25 1210 | 03/18/25 1413 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | 1 | | 03/17/25 1142 | 03/17/25 1412 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | 1 | | 03/17/25 1142 | 03/17/25 1412 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-8B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-13 | **Collection Date:** | 03/11/2025 10:23 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Surrogate: Dibromofluoromethane | 75.4 | Limit: 75-136 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Surrogate: Dibromofluoromethane | 75.4 | Limit: 57-134 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 73.5 | Limit: 61-142 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 73.5 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Surrogate: Toluene-d8 | 103 | Limit: 82-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Surrogate: Toluene-d8 | 103 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Surrogate: 4-Bromofluorobenzene | 93.8 | Limit: 80-116 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |
| Surrogate: 4-Bromofluorobenzene | 93.8 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1117 | BDF |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SM 2320 B-2011** | | | | | | | | |
| Alkalinity, as CaCO3 | **819** | 50 | mg/L | 1 | | 03/18/25 1034 | 03/19/25 1321 | BSS |
| **SM 4500-H+ B-2011** | | | | | | | | |
| pH | **6.7** | 0.5 | pH | 1 | **H4** | 03/14/25 0831 | 03/18/25 0806 | 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 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Arsenic, total | **0.0144** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Barium, total | **0.799** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Cobalt, total | **0.0119** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Nickel, total | **0.0068** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-8B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-13 | **Collection Date:** | 03/11/2025 10:23 |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1647 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-9AR | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-14 | **Collection Date:** | 03/11/2025 11:14 |

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

| Volatile Organic Compounds by GCMS | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA RSK-175** | | | | | | | | |
| Methane | **146** | 5.00 | ug/L | 1 | | 03/17/25 1142 | 03/17/25 1428 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | 1 | | 03/17/25 1142 | 03/17/25 1428 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | 1 | | 03/17/25 1142 | 03/17/25 1428 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| trans-1,2-Dichloroethylene | **3.3** | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| cis-1,2-Dichloroethylene | **56.4** | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Trichloroethylene | **6.6** | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-9AR | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-14 | **Collection Date:** | 03/11/2025 11:14 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Surrogate: Dibromofluoromethane | 73.3 | Limit: 57-134 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Surrogate: Dibromofluoromethane | 73.3 | Limit: 75-136 | % Rec | 1 | **S2** | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 68.8 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 68.8 | Limit: 61-142 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Surrogate: Toluene-d8 | 103 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Surrogate: Toluene-d8 | 103 | Limit: 82-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Surrogate: 4-Bromofluorobenzene | 94.5 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |
| Surrogate: 4-Bromofluorobenzene | 94.5 | Limit: 80-116 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1139 | BDF |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SM 2320 B-2011** | | | | | | | | |
| Alkalinity, as CaCO3 | **460** | 10 | mg/L | 1 | | 03/18/25 1034 | 03/19/25 1321 | BSS |
| **SM 4500-H+ B-2011** | | | | | | | | |
| pH | **6.8** | 0.5 | pH | 1 | **H4** | 03/14/25 0831 | 03/18/25 0806 | BSS |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | **0.0047** | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Barium, total | **0.118** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Cadmium, total | **0.0115** | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Cobalt, total | **0.0004** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Copper, total | **0.0051** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-9AR | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-14 | **Collection Date:** | 03/11/2025 11:14 |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Selenium, total | **0.0231** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |
| Zinc, total | **0.154** | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1653 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-14D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-15 | **Collection Date:** | 03/11/2025 11:56 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-14D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-15 | **Collection Date:** | 03/11/2025 11:56 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Surrogate: Dibromofluoromethane | 68.7 | Limit: 75-136 | % Rec | 1 | **S2** | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Surrogate: Dibromofluoromethane | 68.7 | Limit: 57-134 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 66.6 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 66.6 | Limit: 61-142 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Surrogate: Toluene-d8 | 103 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Surrogate: Toluene-d8 | 103 | Limit: 82-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Surrogate: 4-Bromofluorobenzene | 93.6 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |
| Surrogate: 4-Bromofluorobenzene | 93.6 | Limit: 80-116 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1311 | BDF |

| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 8270C** | | | | | | | | |
| Bis(2-Ethylhexyl) Phthalate | <6 | 6 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 1853 | EPP |
| Surrogate: Nitrobenzene-d5 | 68.9 | Limit: 20-149 | % Rec | 1 | | 03/17/25 1538 | 03/20/25 1853 | EPP |
| Surrogate: 2-Fluorobiphenyl | 75.7 | Limit: 11-146 | % Rec | 1 | | 03/17/25 1538 | 03/20/25 1853 | EPP |
| Surrogate: Terphenyl-dl4 | 83.9 | Limit: 27-155 | % Rec | 1 | | 03/17/25 1538 | 03/20/25 1853 | EPP |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Barium, total | **0.0207** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Cobalt, total | **0.0026** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1659 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-15R | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-16 | **Collection Date:** | 03/11/2025 10:41 |

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

| Volatile Organic Compounds by GCMS | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA RSK-175** | | | | | | | | |
| Methane | **7630** | 250 | ug/L | 50 | | 03/18/25 1210 | 03/18/25 1454 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | 1 | | 03/17/25 1142 | 03/17/25 1443 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | 1 | | 03/17/25 1142 | 03/17/25 1443 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-15R | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-16 | **Collection Date:** | 03/11/2025 10:41 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Surrogate: Dibromofluoromethane | 71.5 | Limit: 57-134 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Surrogate: Dibromofluoromethane | 71.5 | Limit: 75-136 | % Rec | 1 | **S2** | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 69.8 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 69.8 | Limit: 61-142 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Surrogate: Toluene-d8 | 104 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Surrogate: Toluene-d8 | 104 | Limit: 82-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Surrogate: 4-Bromofluorobenzene | 94.8 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |
| Surrogate: 4-Bromofluorobenzene | 94.8 | Limit: 80-116 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1334 | BDF |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SM 2320 B-2011** | | | | | | | | |
| Alkalinity, as CaCO3 | **840** | 50 | mg/L | 1 | | 03/18/25 1034 | 03/19/25 1321 | BSS |
| **SM 4500-H+ B-2011** | | | | | | | | |
| pH | **6.6** | 0.5 | pH | 1 | **H4** | 03/14/25 0831 | 03/18/25 0806 | 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 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Arsenic, total | **0.0715** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Barium, total | **0.689** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Cobalt, total | **0.0012** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Nickel, total | **0.0042** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-15R | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-16 | **Collection Date:** | 03/11/2025 10:41 |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1706 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | SW-1 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-17 | **Collection Date:** | 03/10/2025 15:42 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0200 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0200 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | SW-1 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-17 | **Collection Date:** | 03/10/2025 15:42 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0200 | CSM |
| Surrogate: Dibromofluoromethane | 76.1 | Limit: 75-136 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0200 | CSM |
| Surrogate: Dibromofluoromethane | 94.8 | Limit: 57-134 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Surrogate: Dibromofluoromethane | 94.8 | Limit: 75-136 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 73.7 | Limit: 61-142 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0200 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 82.9 | Limit: 53-140 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 82.9 | Limit: 61-142 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Surrogate: Toluene-d8 | 95.5 | Limit: 86-114 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Surrogate: Toluene-d8 | 108 | Limit: 82-121 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0200 | CSM |
| Surrogate: Toluene-d8 | 95.5 | Limit: 82-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Surrogate: 4-Bromofluorobenzene | 102 | Limit: 80-116 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0200 | CSM |
| Surrogate: 4-Bromofluorobenzene | 98.1 | Limit: 78-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |
| Surrogate: 4-Bromofluorobenzene | 98.1 | Limit: 80-116 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 1943 | CSM |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | SW-2B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-18 | **Collection Date:** | 03/10/2025 15:31 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0222 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0222 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | SW-2B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-18 | **Collection Date:** | 03/10/2025 15:31 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0222 | CSM |
| Surrogate: Dibromofluoromethane | 94.2 | Limit: 75-136 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Surrogate: Dibromofluoromethane | 94.2 | Limit: 57-134 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Surrogate: Dibromofluoromethane | 90.3 | Limit: 75-136 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0222 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 83.6 | Limit: 61-142 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 83.6 | Limit: 53-140 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 87.3 | Limit: 61-142 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0222 | CSM |
| Surrogate: Toluene-d8 | 95.6 | Limit: 82-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Surrogate: Toluene-d8 | 95.6 | Limit: 86-114 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Surrogate: Toluene-d8 | 101 | Limit: 82-121 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0222 | CSM |
| Surrogate: 4-Bromofluorobenzene | 87.7 | Limit: 80-116 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Surrogate: 4-Bromofluorobenzene | 87.7 | Limit: 78-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2005 | CSM |
| Surrogate: 4-Bromofluorobenzene | 99.2 | Limit: 80-116 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0222 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | SW-102 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-19 | **Collection Date:** | 03/10/2025 15:25 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0244 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0244 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |

**Client Sample ID:** SW-102
**Sample Matrix:** Aqueous
**Lab Sample ID:** 1IC0827-19
**Collected By:** Whipple, Todd
**Collection Date:** 03/10/2025 15:25

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0244 | CSM |
| Surrogate: Dibromofluoromethane | 95.2 | Limit: 57-134 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Surrogate: Dibromofluoromethane | 81.8 | Limit: 75-136 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0244 | CSM |
| Surrogate: Dibromofluoromethane | 95.2 | Limit: 75-136 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 83.9 | Limit: 53-140 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 78.8 | Limit: 61-142 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0244 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 83.9 | Limit: 61-142 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Surrogate: Toluene-d8 | 101 | Limit: 86-114 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Surrogate: Toluene-d8 | 103 | Limit: 82-121 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0244 | CSM |
| Surrogate: Toluene-d8 | 101 | Limit: 82-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Surrogate: 4-Bromofluorobenzene | 101 | Limit: 80-116 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0244 | CSM |
| Surrogate: 4-Bromofluorobenzene | 88.6 | Limit: 78-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |
| Surrogate: 4-Bromofluorobenzene | 88.6 | Limit: 80-116 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2028 | CSM |

**Client Sample ID:** Duplicate
**Sample Matrix:** Aqueous
**Lab Sample ID:** 1IC0827-20
**Collected By:** Whipple, Todd
**Collection Date:** 03/10/2025

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 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Arsenic, total | **0.0673** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Barium, total | **1.39** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Cobalt, total | **0.0593** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Nickel, total | **0.0237** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1712 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-2 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-21 | **Collection Date:** | 03/10/2025 17:07 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0307 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0307 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-2 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-21 | **Collection Date:** | 03/10/2025 17:07 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0307 | CSM |
| Surrogate: Dibromofluoromethane | 93.8 | Limit: 57-134 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Surrogate: Dibromofluoromethane | 78.0 | Limit: 75-136 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0307 | CSM |
| Surrogate: Dibromofluoromethane | 93.8 | Limit: 75-136 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 83.6 | Limit: 53-140 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 75.1 | Limit: 61-142 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0307 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 83.6 | Limit: 61-142 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Surrogate: Toluene-d8 | 95.8 | Limit: 86-114 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Surrogate: Toluene-d8 | 105 | Limit: 82-121 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0307 | CSM |
| Surrogate: Toluene-d8 | 95.8 | Limit: 82-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Surrogate: 4-Bromofluorobenzene | 89.1 | Limit: 78-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |
| Surrogate: 4-Bromofluorobenzene | 102 | Limit: 80-116 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0307 | CSM |
| Surrogate: 4-Bromofluorobenzene | 89.1 | Limit: 80-116 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2050 | CSM |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Barium, total | **0.0796** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Cobalt, total | **0.0005** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Nickel, total | **0.0148** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Selenium, total | **1.16** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |
| Zinc, total | **0.0535** | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1718 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-22 | **Collection Date:** | 03/10/2025 16:57 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0329 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0329 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-22 | **Collection Date:** | 03/10/2025 16:57 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0329 | CSM |
| Surrogate: Dibromofluoromethane | 95.4 | Limit: 57-134 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Surrogate: Dibromofluoromethane | 73.4 | Limit: 75-136 | % Rec | 1 | **S2** | 03/20/25 0000 | 03/21/25 0329 | CSM |
| Surrogate: Dibromofluoromethane | 95.4 | Limit: 75-136 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 83.2 | Limit: 53-140 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 71.4 | Limit: 61-142 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0329 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 83.2 | Limit: 61-142 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Surrogate: Toluene-d8 | 97.6 | Limit: 86-114 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Surrogate: Toluene-d8 | 106 | Limit: 82-121 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0329 | CSM |
| Surrogate: Toluene-d8 | 97.6 | Limit: 82-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Surrogate: 4-Bromofluorobenzene | 91.0 | Limit: 78-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |
| Surrogate: 4-Bromofluorobenzene | 101 | Limit: 80-116 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0329 | CSM |
| Surrogate: 4-Bromofluorobenzene | 91.0 | Limit: 80-116 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2112 | CSM |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Barium, total | **0.0333** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Cadmium, total | **0.0010** | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Cobalt, total | **0.0007** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Nickel, total | **0.0540** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Selenium, total | **0.0081** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |
| Zinc, total | **1.72** | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1724 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-23 | **Collection Date:** | 03/10/2025 16:44 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0352 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0352 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-23 | **Collection Date:** | 03/10/2025 16:44 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/20/25 0000 | 03/21/25 0352 | CSM |
| Surrogate: Dibromofluoromethane | 93.8 | Limit: 57-134 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Surrogate: Dibromofluoromethane | 69.6 | Limit: 75-136 | % Rec | 1 | **S2** | 03/20/25 0000 | 03/21/25 0352 | CSM |
| Surrogate: Dibromofluoromethane | 93.8 | Limit: 75-136 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 84.1 | Limit: 53-140 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 67.8 | Limit: 61-142 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0352 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 84.1 | Limit: 61-142 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Surrogate: Toluene-d8 | 95.8 | Limit: 86-114 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Surrogate: Toluene-d8 | 108 | Limit: 82-121 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0352 | CSM |
| Surrogate: Toluene-d8 | 95.8 | Limit: 82-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Surrogate: 4-Bromofluorobenzene | 88.6 | Limit: 78-121 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |
| Surrogate: 4-Bromofluorobenzene | 98.2 | Limit: 80-116 | % Rec | 1 | | 03/20/25 0000 | 03/21/25 0352 | CSM |
| Surrogate: 4-Bromofluorobenzene | 88.6 | Limit: 80-116 | % Rec | 1 | | 03/13/25 0000 | 03/13/25 2134 | CSM |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Barium, total | **0.181** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Cadmium, total | **0.0016** | 0.0008 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Cobalt, total | **0.0010** | 0.0004 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Nickel, total | **0.0183** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Selenium, total | **0.0336** | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |
| Zinc, total | **0.0702** | 0.0200 | mg/L | 4 | | 03/13/25 1448 | 03/17/25 1742 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-44 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-24 | **Collection Date:** | 03/11/2025 14:55 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Dichlorodifluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Acrolein | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Methyl Iodide | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Acetonitrile | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 2,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 2-Butanone (MEK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,1-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Ethyl Methacrylate | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,3-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |

# CERTIFICATE OF ANALYSIS

## 1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-44 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-24 | **Collection Date:** | 03/11/2025 14:55 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,3-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,2-Dibromo-3-chloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| 1,2,4-Trichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Allyl chloride | <1.0 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1759 | RAF |
| Chloroprene | <1.0 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1759 | RAF |
| Methacrylonitrile | <1.0 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1759 | RAF |
| Methyl Methacrylate | <1.0 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1759 | RAF |
| Propionitrile | <10.0 | 10.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1759 | RAF |
| Surrogate: Dibromofluoromethane | 108 | Limit: 57-134 | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1759 | RAF |
| Surrogate: Dibromofluoromethane | 71.0 | Limit: 57-134 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 68.1 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 101 | Limit: 53-140 | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1759 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 68.1 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Surrogate: Toluene-d8 | 104 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Surrogate: Toluene-d8 | 101 | Limit: 86-114 | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1759 | RAF |
| Surrogate: Toluene-d8 | 104 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Surrogate: 4-Bromofluorobenzene | 94.5 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |
| Surrogate: 4-Bromofluorobenzene | 98.1 | Limit: 78-121 | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1759 | RAF |
| Surrogate: 4-Bromofluorobenzene | 94.5 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1356 | BDF |

| Determination of General Solvents | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 8015C** | | | | | | | | |
| Isobutanol | <1.0 | 1.0 | mg/L | 1 | | 03/21/25 1147 | 03/23/25 0115 | PDS |

| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 8270C** | | | | | | | | |
| Bis(2-Ethylhexyl) Phthalate | **6** | 6 | ug/L | 1 | | 03/17/25 1538 | 03/21/25 1110 | EPP |
| Surrogate: Nitrobenzene-d5 | 74.5 | Limit: 20-149 | % Rec | 1 | | 03/17/25 1538 | 03/21/25 1110 | EPP |
| Surrogate: 2-Fluorobiphenyl | 81.4 | Limit: 11-146 | % Rec | 1 | | 03/17/25 1538 | 03/21/25 1110 | EPP |
| Surrogate: Terphenyl-dl4 | 82.2 | Limit: 27-155 | % Rec | 1 | | 03/17/25 1538 | 03/21/25 1110 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-44 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-24 | **Collection Date:** | 03/11/2025 14:55 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3520C/EPA 8270C** | | | | | | | | |
| N-Nitrosodimethylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Methyl Methanesulfonate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| N-Nitrosodiethylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| N-Nitrosomethylethylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Ethyl Methanesulfonate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Phenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Bis(2-Chloroethyl) Ether | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2-Chlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Benzyl Alcohol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2-Methylphenol (o-Cresol) | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Bis[2-Chloroisopropyl]ether | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| n-Nitroso-di-n-propylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| N-Nitrosopyrrolidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Acetophenone | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| o-Toluidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| (3 & 4)-Methylphenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Hexachloroethane | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Nitrobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| N-Nitrosopiperidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Isophorone | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2-Nitrophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2,4-Dimethylphenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Bis (2-Chloroethoxy) Methane | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2,4-Dichlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Naphthalene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 4-Chloroaniline | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2,6-Dichlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Hexachloropropene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Hexachlorobutadiene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| N-Nitrosodi-n-butylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 1,4-Phenylenediamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 4-Chloro-3-methylphenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2-Methylnaphthalene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Isosafrole | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 1,2,4,5-Tetrachlorobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Hexachlorocyclopentadiene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2,4,6-Trichlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2,4,5-Trichlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Safrole | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2-Chloronaphthalene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2-Nitroaniline | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 1,4-Naphthoquinone | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-44 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-24 | **Collection Date:** | 03/11/2025 14:55 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Dimethylphthalate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 1,3-Dinitrobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 1,2-Dinitrobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2,6-Dinitrotoluene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Acenaphthylene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 3-Nitroaniline | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Acenaphthene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2,4-Dinitrophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 4-Nitrophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Dibenzofuran | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2,4-Dinitrotoluene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2,3,4,6-Tetrachlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Pentachlorobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 1-Naphthylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2-Naphthylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Diethyl Phthalate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Fluorene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 4-Chlorophenyl Phenyl Ether | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 4-Nitroaniline | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 5-Nitro-o-toluidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 4,6-Dinitro-2-methylphenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| N-Nitrosodiphenylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Diphenylamine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Azobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Diallate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 1,3,5-Trinitrobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Phenacetin | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 4-Bromophenyl Phenyl Ether | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 4-Aminobiphenyl | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Pentachlorophenol | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Pronamide | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Pentachloronitrobenzene (PCNB) | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Phenanthrene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Anthracene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Di-n-butyl Phthalate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Methapyrilene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Fluoranthene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Isodrin | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Chlorobenzilate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Pyrene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| p-(Dimethylamino)azobenzene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 3,3-Dimethylbenzidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Butyl Benzyl Phthalate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-44 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-24 | **Collection Date:** | 03/11/2025 14:55 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Benzo(a)anthracene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Chrysene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Bis(2-Ethylhexyl) Phthalate | <6 | 6 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Kepone | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 3,3´-Dichlorobenzidine | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 2-Acetylaminofluorene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Di-n-octyl Phthalate | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Benzo(b)Fluoranthene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 7,12-Dimethylbenz [a] anthracene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Benzo(k)Fluoranthene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Benzo(a)Pyrene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| 3-Methylcholanthrene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Dibenzo(a,h)anthracene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Indeno(1,2,3-cd)Pyrene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Benzo(g,h,i)perylene | <8 | 8 | ug/L | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Surrogate: 2-Fluorophenol | 62.9 | Limit: 10-149 | % Rec | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Surrogate: Phenol-d6 | 64.6 | Limit: 10-143 | % Rec | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Surrogate: Nitrobenzene-d5 | 66.7 | Limit: 20-149 | % Rec | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Surrogate: 2-Fluorobiphenyl | 69.2 | Limit: 11-146 | % Rec | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 85.1 | Limit: 10-153 | % Rec | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |
| Surrogate: Terphenyl-dl4 | 27.9 | Limit: 27-155 | % Rec | 1 | | 03/17/25 1417 | 03/25/25 0025 | EPP |

| Determination of Organophosphorus Insecticides | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3510C/EPA 8141** | | | | | | | | |
| O,O,O-Triethyl phosphorothioate | <0.4 | 0.4 | ug/L | 1 | | 03/17/25 1427 | 03/24/25 1743 | EPP |
| Thionazin | <0.4 | 0.4 | ug/L | 1 | | 03/17/25 1427 | 03/24/25 1743 | EPP |
| Phorate | <0.4 | 0.4 | ug/L | 1 | | 03/17/25 1427 | 03/24/25 1743 | EPP |
| Dimethoate | <0.4 | 0.4 | ug/L | 1 | | 03/17/25 1427 | 03/24/25 1743 | EPP |
| Disulfoton | <0.4 | 0.4 | ug/L | 1 | | 03/17/25 1427 | 03/24/25 1743 | EPP |
| Methyl Parathion | <0.4 | 0.4 | ug/L | 1 | | 03/17/25 1427 | 03/24/25 1743 | EPP |
| Parathion | <0.4 | 0.4 | ug/L | 1 | | 03/17/25 1427 | 03/24/25 1743 | EPP |
| Famphur | <0.4 | 0.4 | ug/L | 1 | | 03/17/25 1427 | 03/24/25 1743 | EPP |
| Surrogate: 2-Nitro-m-xylene | 69.1 | Limit: 15-154 | % Rec | 1 | | 03/17/25 1427 | 03/24/25 1743 | EPP |

| Determination of Chlorinated Phenoxy Herbicides | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 8151A** | | | | | | | | |
| 2,4-D | <2.0 | 2.0 | ug/L | 1 | | 03/14/25 1557 | 03/21/25 1826 | EPP |
| 2,4,5-TP (Silvex) | <0.5 | 0.5 | ug/L | 1 | | 03/14/25 1557 | 03/21/25 1826 | EPP |
| 2,4,5-T | <0.5 | 0.5 | ug/L | 1 | | 03/14/25 1557 | 03/21/25 1826 | EPP |
| Dinoseb | <0.5 | 0.5 | ug/L | 1 | | 03/14/25 1557 | 03/21/25 1826 | EPP |
| Surrogate: 2,5-Dichlorobenzoic Acid | 141 | Limit: 36-159 | % Rec | 1 | | 03/14/25 1557 | 03/21/25 1826 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-44 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-24 | **Collection Date:** | 03/11/2025 14:55 |

| Determination of Organochlorine Insecticides & Metabolites | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3510C/EPA 8081** | | | | | | | | |
| Alpha-BHC | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Gamma-BHC [Lindane] | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Beta-BHC | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Heptachlor | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Delta-BHC | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Aldrin | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Heptachlor Epoxide | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Endosulfan I | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| 4,4`-DDE | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Dieldrin | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Endrin | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| 4,4`-DDD | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Endosulfan II | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| 4,4`-DDT | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Endrin Aldehyde | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Endosulfan Sulfate | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Methoxychlor | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Chlordane | <0.10 | 0.10 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Toxaphene | <0.20 | 0.20 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Hexachlorobenzene | <0.05 | 0.05 | ug/L | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |
| Surrogate: Tetrachloro-m-xylene | 106 | Limit: 40-116 | % Rec | 1 | | 03/17/25 1421 | 03/21/25 1522 | EPP |

| Determination of Polychlorinated Biphenyls (PCB) | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3510C/EPA 8082** | | | | | | | | |
| Arochlor 1016 | <0.20 | 0.20 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1522 | EPP |
| Arochlor 1221 | <0.20 | 0.20 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1522 | EPP |
| Arochlor 1232 | <0.20 | 0.20 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1522 | EPP |
| Arochlor 1242 | <0.20 | 0.20 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1522 | EPP |
| Arochlor 1248 | <0.20 | 0.20 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1522 | EPP |
| Arochlor 1254 | <0.20 | 0.20 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1522 | EPP |
| Arochlor 1260 | <0.20 | 0.20 | ug/L | 1 | | 03/17/25 1424 | 03/21/25 1522 | EPP |
| Surrogate: Tetrachloro-m-xylene | 106 | Limit: 37-120 | % Rec | 1 | | 03/17/25 1424 | 03/21/25 1522 | EPP |
| Surrogate: Decachlorobiphenyl | 33.5 | Limit: 22-116 | % Rec | 1 | | 03/17/25 1424 | 03/21/25 1522 | EPP |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 376.2** | | | | | | | | |
| Sulfide, total | <0.10 | 0.10 | mg/L | 1 | | | 03/17/25 0928 | AKK |
| **EPA 9014** | | | | | | | | |
| Cyanide, total | <0.010 | 0.010 | mg/L | 1 | | 03/20/25 0716 | 03/21/25 0908 | CES |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-44 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-24 | **Collection Date:** | 03/11/2025 14:55 |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Barium, total | **0.756** | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Cobalt, total | **0.0006** | 0.0004 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Tin, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1801 | RVV |
| **EPA 7470A** | | | | | | | | |
| Mercury, total | <0.00050 | 0.00050 | mg/L | 1 | | 03/20/25 1533 | 03/21/25 1438 | JAR |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-45A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-25 | **Collection Date:** | 03/11/2025 8:15 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-45A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-25 | **Collection Date:** | 03/11/2025 8:15 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Surrogate: Dibromofluoromethane | 69.0 | Limit: 57-134 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Surrogate: Dibromofluoromethane | 69.0 | Limit: 75-136 | % Rec | 1 | **S2** | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 66.8 | Limit: 53-140 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Surrogate: 1,2-Dichloroethane-d4 | 66.8 | Limit: 61-142 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Surrogate: Toluene-d8 | 105 | Limit: 86-114 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Surrogate: Toluene-d8 | 105 | Limit: 82-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Surrogate: 4-Bromofluorobenzene | 90.7 | Limit: 78-121 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |
| Surrogate: 4-Bromofluorobenzene | 90.7 | Limit: 80-116 | % Rec | 1 | | 03/17/25 0000 | 03/18/25 1419 | BDF |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Barium, total | **0.0928** | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Cobalt, total | <0.0004 | 0.0004 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |
| Zinc, total | **0.0328** | 0.0200 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1825 | RVV |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-45D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-26 | **Collection Date:** | 03/11/2025 8:24 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | **ACa** | 03/19/25 0000 | 03/20/25 0711 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-45D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-26 | **Collection Date:** | 03/11/2025 8:24 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Surrogate: Dibromofluoromethane | 60.4 | Limit: 57-134 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Surrogate: Dibromofluoromethane | 60.4 | Limit: 75-136 | % Rec | 1 | S2 | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 58.7 | Limit: 53-140 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 58.7 | Limit: 61-142 | % Rec | 1 | S2 | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Surrogate: Toluene-d8 | 105 | Limit: 86-114 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Surrogate: Toluene-d8 | 105 | Limit: 82-121 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Surrogate: 4-Bromofluorobenzene | 88.3 | Limit: 78-121 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |
| Surrogate: 4-Bromofluorobenzene | 88.3 | Limit: 80-116 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0711 | CSM |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Arsenic, total | **0.0100** | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Barium, total | **0.0973** | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Beryllium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Cadmium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Chromium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Cobalt, total | **0.0011** | 0.0004 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Copper, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Lead, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Nickel, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Silver, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Thallium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1831 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-31 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-27 | **Collection Date:** | 03/11/2025 11:36 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | **ACa** | 03/19/25 0000 | 03/20/25 0756 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-31 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-27 | **Collection Date:** | 03/11/2025 11:36 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Surrogate: Dibromofluoromethane | 71.6 | Limit: 57-134 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Surrogate: Dibromofluoromethane | 71.6 | Limit: 75-136 | % Rec | 1 | **S2** | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 67.8 | Limit: 53-140 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 67.8 | Limit: 61-142 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Surrogate: Toluene-d8 | 103 | Limit: 86-114 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Surrogate: Toluene-d8 | 103 | Limit: 82-121 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Surrogate: 4-Bromofluorobenzene | 91.8 | Limit: 78-121 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |
| Surrogate: 4-Bromofluorobenzene | 91.8 | Limit: 80-116 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0756 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-32 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-28 | **Collection Date:** | 03/11/2025 11:02 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | **ACa** | 03/19/25 0000 | 03/20/25 0841 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Chlorobenzene | **1.4** | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-32 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-28 | **Collection Date:** | 03/11/2025 11:02 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Surrogate: Dibromofluoromethane | 69.1 | Limit: 57-134 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Surrogate: Dibromofluoromethane | 69.1 | Limit: 75-136 | % Rec | 1 | S2 | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 69.4 | Limit: 61-142 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 69.4 | Limit: 53-140 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Surrogate: Toluene-d8 | 105 | Limit: 86-114 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Surrogate: Toluene-d8 | 105 | Limit: 82-121 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Surrogate: 4-Bromofluorobenzene | 91.8 | Limit: 80-116 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |
| Surrogate: 4-Bromofluorobenzene | 91.8 | Limit: 78-121 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0841 | CSM |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Arsenic, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1838 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | LW-26 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-29 | **Collection Date:** | 03/11/2025 12:20 |

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

| Volatile Organic Compounds by GCMS | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA RSK-175** | | | | | | | | |
| Methane | **6550** | 250 | ug/L | 50 | | 03/18/25 1210 | 03/18/25 1508 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | 1 | | 03/17/25 1142 | 03/17/25 1501 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | 1 | | 03/17/25 1142 | 03/17/25 1501 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Acetone | <10.0 | 10.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Methyl Iodide | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Acrylonitrile | <5.0 | 5.0 | ug/L | 1 | **ACa** | 03/19/25 0000 | 03/20/25 0926 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Benzene | **7.1** | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |

CERTIFICATE OF ANALYSIS

1IC0827

| | | | |
|---|---|---|---|
| **Client Sample ID:** | LW-26 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-29 | **Collection Date:** | 03/11/2025 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 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Chlorobenzene | **7.9** | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Xylenes, total | <2.0 | 2.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Styrene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Surrogate: Dibromofluoromethane | 75.3 | Limit: 57-134 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Surrogate: Dibromofluoromethane | 75.3 | Limit: 75-136 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 75.0 | Limit: 61-142 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 75.0 | Limit: 53-140 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Surrogate: Toluene-d8 | 102 | Limit: 86-114 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Surrogate: Toluene-d8 | 102 | Limit: 82-121 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Surrogate: 4-Bromofluorobenzene | 98.6 | Limit: 80-116 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |
| Surrogate: 4-Bromofluorobenzene | 98.6 | Limit: 78-121 | % Rec | 1 | | 03/19/25 0000 | 03/20/25 0926 | CSM |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 410.4, Rv. 2 (1993)** | | | | | | | | |
| COD, total | **623** | 54 | mg/L | 1 | | 03/17/25 0809 | 03/18/25 0845 | CES |
| **SM 5210 B-2016** | | | | | | | | |
| BOD (5 day) | **25** | 6 | mg/L | 3 | | 03/12/25 1721 | 03/12/25 1918 | MND |
| **TIMBERLINE** | | | | | | | | |
| Nitrogen, Ammonia | **237** | 100 | mg/L | 100 | | 03/18/25 1433 | 03/18/25 1604 | SDF |
| **USGS I-1750-85** | | | | | | | | |
| Total Dissolved Solids (TDS) | **2550** | 5 | mg/L | 20 | | 03/14/25 0645 | 03/18/25 1248 | LAW |
| **USGS I-3765-85** | | | | | | | | |
| Total Suspended Solids (TSS) | **71** | 10 | mg/L | 10 | **H** | 03/19/25 0659 | 03/19/25 1107 | MSP |

| Determination of Inorganic Anions | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 9056A** | | | | | | | | |
| Chloride | **899** | 50.0 | mg/L | 50 | | 03/25/25 0000 | 03/25/25 1832 | MID |
| Sulfate | **3.1** | 1.0 | mg/L | 1 | | 03/26/25 0000 | 03/26/25 1132 | MID |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|

| | | | |
|---|---|---|---|
| **Client Sample ID:** | LW-26 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0827-29 | **Collection Date:** | 03/11/2025 12:20 |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | | |
| Cobalt, total | **0.0143** | 0.0004 | mg/L | 4 | | 03/13/25 1439 | 03/17/25 1856 | RVV |

**Batch Log Summary**

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| SM 5210 B-2016 | 1IC0593 | 1IC0593-BLK1 | |
| | | 1IC0593-SRM1 | |
| | | 1IC0593-DUP1 | 1IC0818-01 |
| | | 1IC0827-29 | LW-26 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 6020A | 1IC0649 | 1IC0649-BLK1 | |
| | | 1IC0649-BS1 | |
| | | 1IC0827-24 | MW-44 |
| | | 1IC0649-MS1 | 1IC0827-24 |
| | | 1IC0649-MSD1 | 1IC0827-24 |
| | | 1IC0649-PS1 | 1IC0827-24 |
| | | 1IC0827-25 | MW-45A |
| | | 1IC0827-26 | MW-45D |
| | | 1IC0827-28 | MW-32 |
| | | 1IC0827-29 | LW-26 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 6020A | 1IC0650 | 1IC0650-BLK1 | |
| | | 1IC0650-BS1 | |
| | | 1IC0827-01 | MW-34A |
| | | 1IC0650-MS1 | 1IC0827-01 |
| | | 1IC0650-MSD1 | 1IC0827-01 |
| | | 1IC0650-PS1 | 1IC0827-01 |
| | | 1IC0827-02 | MW-18 |
| | | 1IC0827-03 | MW-6A |
| | | 1IC0827-04 | MW-21 |
| | | 1IC0827-05 | TILE-1 |
| | | 1IC0827-06 | TILE 2 |
| | | 1IC0827-07 | MW-11C |
| | | 1IC0827-08 | MW-39D |
| | | 1IC0827-09 | MW-41D |
| | | 1IC0827-10 | MW-42D |
| | | 1IC0827-11 | MW-17R |
| | | 1IC0827-12 | MW-28 |
| | | 1IC0827-13 | MW-8B |
| | | 1IC0827-14 | MW-9AR |
| | | 1IC0827-15 | MW-14D |
| | | 1IC0827-16 | MW-15R |
| | | 1IC0827-20 | Duplicate |

| | | | |
|---|---|---|---|
| EPA 6020A | 1IC0650 | 1IC0827-21 | GU-2 |
| | | 1IC0827-22 | GU-A |
| | | 1IC0827-23 | GU-B |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| USGS I-1750-85 | 1IC0680 | 1IC0827-29 | LW-26 |
| | | 1IC0680-BS1 | |
| | | 1IC0680-DUP1 | 1IC0804-01 |
| | | 1IC0680-BLK1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| SM 4500-H+ B-2011 | 1IC0696 | 1IC0696-SRM3 | |
| | | 1IC0696-DUP1 | 1IC0688-01 |
| | | 1IC0696-DUP2 | 1IC0633-02 |
| | | 1IC0827-16 | MW-15R |
| | | 1IC0696-SRM2 | |
| | | 1IC0827-14 | MW-9AR |
| | | 1IC0696-SRM1 | |
| | | 1IC0827-13 | MW-8B |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 8260D | 1IC0698 | 1IC0698-BS1 | |
| | | 1IC0698-BSD1 | |
| | | 1IC0698-BLK1 | |
| | | 1IC0827-05 | TILE-1 |
| | | 1IC0827-06 | TILE 2 |
| | | 1IC0827-12 | MW-28 |
| | | 1IC0827-17 | SW-1 |
| | | 1IC0827-18 | SW-2B |
| | | 1IC0827-19 | SW-102 |
| | | 1IC0827-21 | GU-2 |
| | | 1IC0827-22 | GU-A |
| | | 1IC0827-23 | GU-B |
| | | 1IC0698-MS1 | 1IC0573-07 |
| | | 1IC0698-MSD1 | 1IC0573-07 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 8151A | 1IC0735 | 1IC0735-BLK1 | |
| | | 1IC0827-24 | MW-44 |
| | | 1IC0735-BS1 | |
| | | 1IC0735-BSD1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 410.4, Rv. 2 (1993) | 1IC0751 | 1IC0751-BLK1 | |

| | | | |
|---|---|---|---|
| EPA 410.4, Rv. 2 (1993) | 1IC0751 | 1IC0751-BS1 | |
| | | 1IC0827-29 | LW-26 |
| | | 1IC0751-MSD1 | 1IC0915-01 |
| | | 1IC0751-MS1 | 1IC0915-01 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 376.2 | 1IC0760 | 1IC0827-24 | MW-44 |
| | | 1IC0827-03 | MW-6A |
| | | 1IC0760-MSD1 | 1IC0696-01 |
| | | 1IC0760-MS1 | 1IC0696-01 |
| | | 1IC0760-BS1 | |
| | | 1IC0760-BLK1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 8081 | 1IC0789 | 1IC0789-BLK1 | |
| | | 1IC0789-BS1 | |
| | | 1IC0789-BSD1 | |
| | | 1IC0827-03 | MW-6A |
| | | 1IC0827-24 | MW-44 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 8082 | 1IC0790 | 1IC0790-BLK1 | |
| | | 1IC0790-BS1 | |
| | | 1IC0790-BSD1 | |
| | | 1IC0827-03 | MW-6A |
| | | 1IC0827-24 | MW-44 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 8270C | 1IC0791 | 1IC0791-BLK1 | |
| | | 1IC0791-BS1 | |
| | | 1IC0791-BSD1 | |
| | | 1IC0791-SRM1 | |
| | | 1IC0827-03 | MW-6A |
| | | 1IC0827-24 | MW-44 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 8141 | 1IC0795 | 1IC0795-BLK1 | |
| | | 1IC0827-24 | MW-44 |
| | | 1IC0795-BS1 | |
| | | 1IC0795-BSD1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 8270C | 1IC0804 | 1IC0804-BLK1 | |
| | | 1IC0804-BS1 | |
| | | 1IC0804-BSD1 | |

| | | | |
|---|---|---|---|
| EPA 8270C | 1IC0804 | 1IC0827-15 | MW-14D |
| | | 1IC0827-24 | MW-44 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 8260D | 1IC0807 | 1IC0807-BS1 | |
| | | 1IC0807-BLK1 | |
| | | 1IC0807-MS1 | 1IC0696-04 |
| | | 1IC0807-MSD1 | 1IC0696-04 |
| | | 1IC0807-BS2 | |
| | | 1IC0807-BSD2 | |
| | | 1IC0807-MS2 | 1IC0854-15 |
| | | 1IC0807-MSD2 | 1IC0854-15 |
| | | 1IC0807-BLK2 | |
| | | 1IC0827-07 | MW-11C |
| | | 1IC0827-11 | MW-17R |
| | | 1IC0827-13 | MW-8B |
| | | 1IC0827-14 | MW-9AR |
| | | 1IC0827-01 | MW-34A |
| | | 1IC0827-03 | MW-6A |
| | | 1IC0827-04 | MW-21 |
| | | 1IC0827-15 | MW-14D |
| | | 1IC0827-16 | MW-15R |
| | | 1IC0827-24 | MW-44 |
| | | 1IC0827-25 | MW-45A |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| SM 2320 B-2011 | 1IC0835 | 1IC0827-13 | MW-8B |
| | | 1IC0827-14 | MW-9AR |
| | | 1IC0835-BLK1 | |
| | | 1IC0835-BS1 | |
| | | 1IC0835-MS1 | 1IC0803-04 |
| | | 1IC0835-MSD1 | 1IC0803-04 |
| | | 1IC0827-16 | MW-15R |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| TIMBERLINE | 1IC0876 | 1IC0876-BLK1 | |
| | | 1IC0876-BS1 | |
| | | 1IC0876-MS1 | 4IC0042-02 |
| | | 1IC0876-MSD1 | 4IC0042-02 |
| | | 1IC0827-29 | LW-26 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| USGS I-3765-85 | 1IC0907 | 1IC0907-BLK1 | |
| | | 1IC0827-29 | LW-26 |

| | | | |
|---|---|---|---|
| USGS I-3765-85 | 1IC0907 | 1IC0907-DUP1 | 1IC1012-01 |
| | | 1IC0907-BS1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 9014 | 1IC0986 | 1IC0827-03 | MW-6A |
| | | 1IC0986-BS1 | |
| | | 1IC0986-MS1 | 1IC0827-03 |
| | | 1IC0986-MSD1 | 1IC0827-03 |
| | | 1IC0827-24 | MW-44 |
| | | 1IC0986-BLK1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 8260D | 1IC1002 | 1IC1002-BS1 | |
| | | 1IC1002-BLK1 | |
| | | 1IC1002-MS1 | 1IC0851-01 |
| | | 1IC1002-MSD1 | 1IC0851-01 |
| | | 1IC1002-BS2 | |
| | | 1IC1002-BSD2 | |
| | | 1IC1002-BLK2 | |
| | | 1IC0827-26 | MW-45D |
| | | 1IC0827-27 | MW-31 |
| | | 1IC0827-28 | MW-32 |
| | | 1IC0827-29 | LW-26 |
| | | 1IC1002-MS2 | 1IC0851-21 |
| | | 1IC1002-MSD2 | 1IC0851-21 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 7470A | 1IC1059 | 1IC1059-BLK1 | |
| | | 1IC1059-BS1 | |
| | | 1IC1059-MS1 | 1IC0688-01 |
| | | 1IC1059-MSD1 | 1IC0688-01 |
| | | 1IC0827-03 | MW-6A |
| | | 1IC0827-24 | MW-44 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 8015C | 1IC1088 | 1IC1088-BS1 | |
| | | 1IC1088-BLK1 | |
| | | 1IC0827-03 | MW-6A |
| | | 1IC0827-24 | MW-44 |
| | | 1IC1088-MS1 | 1IC0851-01 |
| | | 1IC1088-MSD1 | 1IC0851-01 |
| | | 1IC1088-BLK2 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|

| | | | |
|---|---|---|---|
| EPA 8260D | 1IC1114 | 1IC0827-05RE1 | TILE-1 |
| | | 1IC0827-06RE1 | TILE 2 |
| | | 1IC1114-BS1 | |
| | | 1IC1114-BSD1 | |
| | | 1IC1114-BLK1 | |
| | | 1IC0827-12RE1 | MW-28 |
| | | 1IC0827-17RE1 | SW-1 |
| | | 1IC0827-18RE1 | SW-2B |
| | | 1IC0827-19RE1 | SW-102 |
| | | 1IC0827-21RE1 | GU-2 |
| | | 1IC0827-22RE1 | GU-A |
| | | 1IC0827-23RE1 | GU-B |
| | | 1IC1114-MS1 | 1IC1317-01 |
| | | 1IC1114-MSD1 | 1IC1317-01 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 8260D | 1IC1200 | 1IC1200-BS1 | |
| | | 1IC1200-BSD1 | |
| | | 1IC1200-BLK1 | |
| | | 1IC0827-03 | MW-6A |
| | | 1IC0827-24 | MW-44 |
| | | 1IC1200-MS1 | 1IC0851-21 |
| | | 1IC1200-MSD1 | 1IC0851-21 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 9056A | 1IC1306 | 1IC1306-MRL1 | |
| | | 1IC1306-BS1 | |
| | | 1IC1306-BSD1 | |
| | | 1IC1306-MS1 | 1IC0828-01 |
| | | 1IC1306-MSD1 | 1IC0828-01 |
| | | 1IC0827-29 | LW-26 |
| | | 1IC1306-BLK3 | |
| | | 1IC1306-BS2 | |
| | | 1IC1306-BSD2 | |
| | | 1IC1306-MS2 | 1IC1475-03 |
| | | 1IC1306-MSD2 | 1IC1475-03 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 9056A | 1IC1339 | 1IC1339-BLK1 | |
| | | 1IC1339-MRL1 | |
| | | 1IC1339-BS1 | |
| | | 1IC1339-BSD1 | |
| | | 1IC0827-29 | LW-26 |
| | | 1IC1339-MS1 | 1IC1044-01 |

| | | | |
|---|---|---|---|
| EPA 9056A | 1IC1339 | 1IC1339-MSD1 | 1IC1044-01 |
| | | 1IC1339-BLK2 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA RSK-175 | B5C0914 | B5C0914-BLK1 | |
| | | B5C0914-BS1 | |
| | | B5C0914-BSD1 | |
| | | 1IC0827-13 | MW-8B |
| | | 1IC0827-14 | MW-9AR |
| | | 1IC0827-16 | MW-15R |
| | | 1IC0827-29 | LW-26 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA RSK-175 | B5C0991 | B5C0991-BLK1 | |
| | | B5C0991-BS1 | |
| | | B5C0991-BSD1 | |
| | | 1IC0827-13RE1 | MW-8B |
| | | 1IC0827-16RE1 | MW-15R |
| | | 1IC0827-29RE1 | LW-26 |

**Batch Quality Control Summary: Microbac Laboratories, Inc., Newton**

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0698 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC0698-BLK1)** | | | Prepared: 03/13/25 00:00 Analyzed: 03/13/25 12:04 | | | | | | | |
| 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 | | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0698 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC0698-BLK1)** | | | | Prepared: 03/13/25 00:00 Analyzed: 03/13/25 12:04 | | | | | | |
| 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 | | | | | | | |
| 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 | | | | | | | |
| 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 | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *46.8* | | ug/L | *50.2* | | *93.3* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *46.8* | | ug/L | *50.2* | | *93.3* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *39.6* | | ug/L | *50.1* | | *79.1* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *39.6* | | ug/L | *50.1* | | *79.1* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *47.1* | | ug/L | *50.4* | | *93.6* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *47.1* | | ug/L | *50.4* | | *93.6* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.4* | | ug/L | *50.1* | | *92.4* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.4* | | ug/L | *50.1* | | *92.4* | *78-121* | | | |
| **LCS (1IC0698-BS1)** | | | | Prepared: 03/13/25 00:00 Analyzed: 03/13/25 10:57 | | | | | | |
| Chloromethane | 25.56 | 1.0 | ug/L | 30.3 | | 84.3 | 63-155 | | | |
| Vinyl Chloride | 33.34 | 1.0 | ug/L | 30.2 | | 110 | 70-154 | | | |
| Bromomethane | 34.49 | 1.0 | ug/L | 30.1 | | 115 | 52-176 | | | |
| Chloroethane | 35.43 | 1.0 | ug/L | 30.3 | | 117 | 72-148 | | | |
| Trichlorofluoromethane | 42.14 | 1.0 | ug/L | 30.3 | | 139 | 70-152 | | | |
| 1,1-Dichloroethylene | 58.12 | 1.0 | ug/L | 50.1 | | 116 | 70-148 | | | |
| Acetone | 102.6 | 10.0 | ug/L | 100 | | 103 | 43-172 | | | |
| Methyl Iodide | 124.1 | 1.0 | ug/L | 100 | | 124 | 69-170 | | | |
| Carbon Disulfide | 116.2 | 1.0 | ug/L | 100 | | 116 | 72-162 | | | |
| Methylene Chloride | 52.93 | 5.0 | ug/L | 50.1 | | 106 | 68-142 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0698 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS (1IC0698-BS1)** | | | | Prepared: 03/13/25 00:00 Analyzed: 03/13/25 10:57 | | | | | | |
| Acrylonitrile | 50.43 | 5.0 | ug/L | 50.2 | | 100 | 56-135 | | | |
| trans-1,2-Dichloroethylene | 55.75 | 1.0 | ug/L | 50.1 | | 111 | 66-148 | | | |
| 1,1-Dichloroethane | 56.27 | 1.0 | ug/L | 50.1 | | 112 | 66-143 | | | |
| Vinyl Acetate | 166.6 | 5.0 | ug/L | 140 | | 119 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 56.54 | 1.0 | ug/L | 50.4 | | 112 | 71-149 | | | |
| 2-Butanone (MEK) | 92.44 | 10.0 | ug/L | 100 | | 92.4 | 52-159 | | | |
| Bromochloromethane | 49.88 | 1.0 | ug/L | 50.4 | | 99.0 | 69-143 | | | |
| Chloroform | 56.67 | 1.0 | ug/L | 50.1 | | 113 | 69-144 | | | |
| 1,1,1-Trichloroethane | 59.33 | 1.0 | ug/L | 50.1 | | 118 | 62-129 | | | |
| Carbon Tetrachloride | 61.06 | 1.0 | ug/L | 50.1 | | 122 | 63-141 | | | |
| Benzene | 51.42 | 1.0 | ug/L | 50.4 | | 102 | 71-134 | | | |
| 1,2-Dichloroethane | 50.31 | 1.0 | ug/L | 50.1 | | 100 | 72-132 | | | |
| Trichloroethylene | 55.94 | 1.0 | ug/L | 50.1 | | 112 | 71-135 | | | |
| 1,2-Dichloropropane | 48.60 | 1.0 | ug/L | 50.1 | | 97.0 | 69-136 | | | |
| Dibromomethane | 49.24 | 1.0 | ug/L | 50.4 | | 97.8 | 73-147 | | | |
| Bromodichloromethane | 52.99 | 1.0 | ug/L | 50.1 | | 106 | 68-129 | | | |
| cis-1,3-Dichloropropene | 47.35 | 1.0 | ug/L | 50.1 | | 94.5 | 65-134 | | | |
| Toluene | 52.08 | 1.0 | ug/L | 50.5 | | 103 | 72-133 | | | |
| trans-1,3-Dichloropropene | 46.62 | 1.0 | ug/L | 50.1 | | 93.1 | 67-130 | | | |
| 1,1,2-Trichloroethane | 51.64 | 1.0 | ug/L | 50.1 | | 103 | 69-135 | | | |
| Tetrachloroethylene | 58.04 | 1.0 | ug/L | 50.1 | | 116 | 69-130 | | | |
| Dibromochloromethane | 51.55 | 1.0 | ug/L | 50.1 | | 103 | 73-127 | | | |
| 1,2-Dibromoethane | 49.10 | 1.0 | ug/L | 50.2 | | 97.8 | 67-132 | | | |
| Chlorobenzene | 50.34 | 1.0 | ug/L | 50.1 | | 101 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 52.44 | 1.0 | ug/L | 50.3 | | 104 | 73-127 | | | |
| Ethylbenzene | 51.81 | 1.0 | ug/L | 50.2 | | 103 | 71-127 | | | |
| Xylenes, total | 153.9 | 2.0 | ug/L | 151 | | 102 | 74-127 | | | |
| Styrene | 53.73 | 1.0 | ug/L | 50.4 | | 107 | 66-126 | | | |
| Bromoform | 50.14 | 1.0 | ug/L | 50.1 | | 100 | 68-130 | | | |
| 1,2,3-Trichloropropane | 46.44 | 1.0 | ug/L | 50.3 | | 92.2 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 78.57 | 5.0 | ug/L | 100 | | 78.6 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 44.44 | 1.0 | ug/L | 50.1 | | 88.7 | 61-131 | | | |
| 1,4-Dichlorobenzene | 47.11 | 1.0 | ug/L | 50.1 | | 94.0 | 70-129 | | | |
| 1,2-Dichlorobenzene | 48.41 | 1.0 | ug/L | 50.1 | | 96.6 | 69-126 | | | |
| *Surrogate: Dibromofluoromethane* | *54.9* | | ug/L | *50.2* | | *109* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *54.9* | | ug/L | *50.2* | | *109* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.0* | | ug/L | *50.1* | | *97.9* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.0* | | ug/L | *50.1* | | *97.9* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *50.3* | | ug/L | *50.4* | | *99.8* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *50.3* | | ug/L | *50.4* | | *99.8* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.5* | | ug/L | *50.1* | | *98.6* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.5* | | ug/L | *50.1* | | *98.6* | *78-121* | | | |
| **LCS Dup (1IC0698-BSD1)** | | | | Prepared: 03/13/25 00:00 Analyzed: 03/13/25 11:19 | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0698 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS Dup (1IC0698-BSD1)** | Prepared: 03/13/25 00:00 Analyzed: 03/13/25 11:19 | | | | | | | | | |
| Chloromethane | 25.11 | 1.0 | ug/L | 30.3 | | 82.8 | 63-155 | 1.78 | 24 | |
| Vinyl Chloride | 30.32 | 1.0 | ug/L | 30.2 | | 100 | 70-154 | 9.49 | 25 | |
| Bromomethane | 33.62 | 1.0 | ug/L | 30.1 | | 112 | 52-176 | 2.55 | 27 | |
| Chloroethane | 32.88 | 1.0 | ug/L | 30.3 | | 108 | 72-148 | 7.47 | 25 | |
| Trichlorofluoromethane | 39.68 | 1.0 | ug/L | 30.3 | | 131 | 70-152 | 6.01 | 26 | |
| 1,1-Dichloroethylene | 54.40 | 1.0 | ug/L | 50.1 | | 109 | 70-148 | 6.61 | 24 | |
| Acetone | 87.13 | 10.0 | ug/L | 100 | | 87.1 | 43-172 | 16.3 | 30 | |
| Methyl Iodide | 117.5 | 1.0 | ug/L | 100 | | 117 | 69-170 | 5.45 | 30 | |
| Carbon Disulfide | 107.5 | 1.0 | ug/L | 100 | | 108 | 72-162 | 7.73 | 24 | |
| Methylene Chloride | 51.57 | 5.0 | ug/L | 50.1 | | 103 | 68-142 | 2.60 | 21 | |
| Acrylonitrile | 48.71 | 5.0 | ug/L | 50.2 | | 97.0 | 56-135 | 3.47 | 16 | |
| trans-1,2-Dichloroethylene | 52.40 | 1.0 | ug/L | 50.1 | | 105 | 66-148 | 6.20 | 27 | |
| 1,1-Dichloroethane | 53.15 | 1.0 | ug/L | 50.1 | | 106 | 66-143 | 5.70 | 24 | |
| Vinyl Acetate | 164.0 | 5.0 | ug/L | 140 | | 117 | 43-153 | 1.63 | 30 | |
| cis-1,2-Dichloroethylene | 52.84 | 1.0 | ug/L | 50.4 | | 105 | 71-149 | 6.77 | 26 | |
| 2-Butanone (MEK) | 84.79 | 10.0 | ug/L | 100 | | 84.8 | 52-159 | 8.63 | 27 | |
| Bromochloromethane | 47.55 | 1.0 | ug/L | 50.4 | | 94.3 | 69-143 | 4.78 | 23 | |
| Chloroform | 54.55 | 1.0 | ug/L | 50.1 | | 109 | 69-144 | 3.81 | 23 | |
| 1,1,1-Trichloroethane | 55.25 | 1.0 | ug/L | 50.1 | | 110 | 62-129 | 7.12 | 24 | |
| Carbon Tetrachloride | 56.93 | 1.0 | ug/L | 50.1 | | 114 | 63-141 | 7.00 | 25 | |
| Benzene | 49.91 | 1.0 | ug/L | 50.4 | | 99.0 | 71-134 | 2.98 | 24 | |
| 1,2-Dichloroethane | 48.98 | 1.0 | ug/L | 50.1 | | 97.8 | 72-132 | 2.68 | 24 | |
| Trichloroethylene | 53.39 | 1.0 | ug/L | 50.1 | | 107 | 71-135 | 4.66 | 24 | |
| 1,2-Dichloropropane | 48.82 | 1.0 | ug/L | 50.1 | | 97.5 | 69-136 | 0.452 | 24 | |
| Dibromomethane | 48.38 | 1.0 | ug/L | 50.4 | | 96.1 | 73-147 | 1.76 | 25 | |
| Bromodichloromethane | 51.83 | 1.0 | ug/L | 50.1 | | 103 | 68-129 | 2.21 | 22 | |
| cis-1,3-Dichloropropene | 47.71 | 1.0 | ug/L | 50.1 | | 95.3 | 65-134 | 0.757 | 23 | |
| Toluene | 50.62 | 1.0 | ug/L | 50.5 | | 100 | 72-133 | 2.84 | 24 | |
| trans-1,3-Dichloropropene | 46.24 | 1.0 | ug/L | 50.1 | | 92.3 | 67-130 | 0.818 | 24 | |
| 1,1,2-Trichloroethane | 52.58 | 1.0 | ug/L | 50.1 | | 105 | 69-135 | 1.80 | 23 | |
| Tetrachloroethylene | 54.87 | 1.0 | ug/L | 50.1 | | 110 | 69-130 | 5.62 | 25 | |
| Dibromochloromethane | 50.53 | 1.0 | ug/L | 50.1 | | 101 | 73-127 | 2.00 | 22 | |
| 1,2-Dibromoethane | 48.42 | 1.0 | ug/L | 50.2 | | 96.4 | 67-132 | 1.39 | 24 | |
| Chlorobenzene | 48.12 | 1.0 | ug/L | 50.1 | | 96.1 | 72-123 | 4.51 | 23 | |
| 1,1,1,2-Tetrachloroethane | 50.39 | 1.0 | ug/L | 50.3 | | 100 | 73-127 | 3.99 | 24 | |
| Ethylbenzene | 49.24 | 1.0 | ug/L | 50.2 | | 98.1 | 71-127 | 5.09 | 26 | |
| Xylenes, total | 146.0 | 2.0 | ug/L | 151 | | 96.7 | 74-127 | 5.23 | 25 | |
| Styrene | 51.30 | 1.0 | ug/L | 50.4 | | 102 | 66-126 | 4.63 | 23 | |
| Bromoform | 48.22 | 1.0 | ug/L | 50.1 | | 96.2 | 68-130 | 3.90 | 23 | |
| 1,2,3-Trichloropropane | 45.49 | 1.0 | ug/L | 50.3 | | 90.4 | 63-136 | 2.07 | 24 | |
| trans-1,4-Dichloro-2-butene | 77.40 | 5.0 | ug/L | 100 | | 77.4 | 54-134 | 1.50 | 27 | |
| 1,1,2,2-Tetrachloroethane | 44.72 | 1.0 | ug/L | 50.1 | | 89.3 | 61-131 | 0.628 | 29 | |
| 1,4-Dichlorobenzene | 47.73 | 1.0 | ug/L | 50.1 | | 95.2 | 70-129 | 1.31 | 24 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0698 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS Dup (1IC0698-BSD1)** | | | Prepared: 03/13/25 00:00 Analyzed: 03/13/25 11:19 | | | | | | | |
| 1,2-Dichlorobenzene | 47.96 | 1.0 | ug/L | 50.1 | | 95.7 | 69-126 | 0.934 | 26 | |
| *Surrogate: Dibromofluoromethane* | *54.2* | | ug/L | *50.2* | | *108* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *54.2* | | ug/L | *50.2* | | *108* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *48.1* | | ug/L | *50.1* | | *96.0* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *48.1* | | ug/L | *50.1* | | *96.0* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *49.8* | | ug/L | *50.4* | | *98.8* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *49.8* | | ug/L | *50.4* | | *98.8* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.2* | | ug/L | *50.1* | | *98.1* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.2* | | ug/L | *50.1* | | *98.1* | *78-121* | | | |
| **Matrix Spike (1IC0698-MS1)** | **Source: 1IC0573-07** | | Prepared: 03/13/25 00:00 Analyzed: 03/13/25 23:48 | | | | | | | |
| Chloromethane | 246.7 | 10.0 | ug/L | 303 | ND | 81.4 | 61-152 | | | |
| Vinyl Chloride | 307.9 | 10.0 | ug/L | 302 | ND | 102 | 66-149 | | | |
| Bromomethane | 310.3 | 10.0 | ug/L | 301 | ND | 103 | 43-171 | | | |
| Chloroethane | 329.8 | 10.0 | ug/L | 303 | ND | 109 | 69-148 | | | |
| Trichlorofluoromethane | 418.1 | 10.0 | ug/L | 303 | ND | 138 | 62-163 | | | |
| 1,1-Dichloroethylene | 557.8 | 10.0 | ug/L | 501 | ND | 111 | 70-148 | | | |
| Acetone | 837.0 | 100 | ug/L | 1000 | ND | 83.7 | 45-173 | | | |
| Methyl Iodide | 1170 | 10.0 | ug/L | 1000 | ND | 117 | 62-167 | | | |
| Carbon Disulfide | 1136 | 10.0 | ug/L | 1000 | ND | 114 | 71-163 | | | |
| Methylene Chloride | 512.8 | 50.0 | ug/L | 501 | ND | 102 | 69-140 | | | |
| Acrylonitrile | 487.5 | 50.0 | ug/L | 502 | ND | 97.1 | 38-147 | | | |
| trans-1,2-Dichloroethylene | 535.1 | 10.0 | ug/L | 501 | ND | 107 | 69-144 | | | |
| 1,1-Dichloroethane | 547.5 | 10.0 | ug/L | 501 | ND | 109 | 70-138 | | | |
| Vinyl Acetate | 1553 | 50.0 | ug/L | 1400 | ND | 111 | 58-142 | | | |
| cis-1,2-Dichloroethylene | 528.3 | 10.0 | ug/L | 504 | ND | 105 | 68-151 | | | |
| 2-Butanone (MEK) | 848.1 | 100 | ug/L | 1000 | ND | 84.8 | 50-160 | | | |
| Bromochloromethane | 486.6 | 10.0 | ug/L | 504 | ND | 96.5 | 65-143 | | | |
| Chloroform | 554.7 | 10.0 | ug/L | 501 | ND | 111 | 71-143 | | | |
| 1,1,1-Trichloroethane | 584.4 | 10.0 | ug/L | 501 | ND | 117 | 63-133 | | | |
| Carbon Tetrachloride | 604.0 | 10.0 | ug/L | 501 | ND | 121 | 63-142 | | | |
| Benzene | 525.4 | 10.0 | ug/L | 504 | ND | 104 | 69-133 | | | |
| 1,2-Dichloroethane | 498.5 | 10.0 | ug/L | 501 | ND | 99.5 | 63-138 | | | |
| Trichloroethylene | 560.2 | 10.0 | ug/L | 501 | ND | 112 | 71-133 | | | |
| 1,2-Dichloropropane | 489.9 | 10.0 | ug/L | 501 | ND | 97.8 | 69-132 | | | |
| Dibromomethane | 498.6 | 10.0 | ug/L | 504 | ND | 99.0 | 70-147 | | | |
| Bromodichloromethane | 614.2 | 10.0 | ug/L | 501 | ND | 123 | 67-130 | | | |
| cis-1,3-Dichloropropene | 527.0 | 10.0 | ug/L | 501 | ND | 105 | 61-126 | | | |
| Toluene | 522.6 | 10.0 | ug/L | 505 | ND | 104 | 71-133 | | | |
| trans-1,3-Dichloropropene | 446.3 | 10.0 | ug/L | 501 | ND | 89.1 | 63-124 | | | |
| 1,1,2-Trichloroethane | 526.6 | 10.0 | ug/L | 501 | ND | 105 | 69-133 | | | |
| Tetrachloroethylene | 588.2 | 10.0 | ug/L | 501 | ND | 117 | 70-124 | | | |
| Dibromochloromethane | 518.4 | 10.0 | ug/L | 501 | ND | 104 | 74-122 | | | |
| 1,2-Dibromoethane | 484.7 | 10.0 | ug/L | 502 | ND | 96.5 | 66-127 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0698 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1IC0698-MS1)** | **Source: 1IC0573-07** | | Prepared: 03/13/25 00:00 Analyzed: 03/13/25 23:48 | | | | | | | |
| Chlorobenzene | 508.9 | 10.0 | ug/L | 501 | ND | 102 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 536.2 | 10.0 | ug/L | 503 | ND | 107 | 77-121 | | | |
| Ethylbenzene | 522.3 | 10.0 | ug/L | 502 | ND | 104 | 73-124 | | | |
| Xylenes, total | 1560 | 20.0 | ug/L | 1510 | ND | 103 | 75-123 | | | |
| Styrene | 538.9 | 10.0 | ug/L | 504 | ND | 107 | 70-120 | | | |
| Bromoform | 501.6 | 10.0 | ug/L | 501 | ND | 100 | 70-124 | | | |
| 1,2,3-Trichloropropane | 466.8 | 10.0 | ug/L | 503 | ND | 92.7 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 741.5 | 50.0 | ug/L | 1000 | ND | 74.2 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 422.1 | 10.0 | ug/L | 501 | ND | 84.2 | 63-126 | | | |
| 1,4-Dichlorobenzene | 469.6 | 10.0 | ug/L | 501 | ND | 93.7 | 72-119 | | | |
| 1,2-Dichlorobenzene | 466.2 | 10.0 | ug/L | 501 | ND | 93.1 | 71-117 | | | |
| *Surrogate: Dibromofluoromethane* | *536* | | ug/L | *502* | | *107* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *536* | | ug/L | *502* | | *107* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *490* | | ug/L | *501* | | *97.8* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *490* | | ug/L | *501* | | *97.8* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *502* | | ug/L | *504* | | *99.6* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *502* | | ug/L | *504* | | *99.6* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *514* | | ug/L | *501* | | *103* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *514* | | ug/L | *501* | | *103* | *78-121* | | | |
| **Matrix Spike Dup (1IC0698-MSD1)** | **Source: 1IC0573-07** | | Prepared: 03/13/25 00:00 Analyzed: 03/14/25 00:10 | | | | | | | |
| Chloromethane | 231.9 | 10.0 | ug/L | 303 | ND | 76.5 | 61-152 | 6.18 | 26 | |
| Vinyl Chloride | 295.4 | 10.0 | ug/L | 302 | ND | 97.7 | 66-149 | 4.14 | 23 | |
| Bromomethane | 312.0 | 10.0 | ug/L | 301 | ND | 104 | 43-171 | 0.546 | 29 | |
| Chloroethane | 323.0 | 10.0 | ug/L | 303 | ND | 107 | 69-148 | 2.08 | 25 | |
| Trichlorofluoromethane | 392.4 | 10.0 | ug/L | 303 | ND | 129 | 62-163 | 6.34 | 25 | |
| 1,1-Dichloroethylene | 540.0 | 10.0 | ug/L | 501 | ND | 108 | 70-148 | 3.24 | 22 | |
| Acetone | 906.1 | 100 | ug/L | 1000 | ND | 90.6 | 45-173 | 7.93 | 30 | |
| Methyl Iodide | 1118 | 10.0 | ug/L | 1000 | ND | 112 | 62-167 | 4.57 | 24 | |
| Carbon Disulfide | 1053 | 10.0 | ug/L | 1000 | ND | 105 | 71-163 | 7.57 | 22 | |
| Methylene Chloride | 489.4 | 50.0 | ug/L | 501 | ND | 97.7 | 69-140 | 4.67 | 19 | |
| Acrylonitrile | 455.1 | 50.0 | ug/L | 502 | ND | 90.7 | 38-147 | 6.87 | 30 | |
| trans-1,2-Dichloroethylene | 516.6 | 10.0 | ug/L | 501 | ND | 103 | 69-144 | 3.52 | 22 | |
| 1,1-Dichloroethane | 525.2 | 10.0 | ug/L | 501 | ND | 105 | 70-138 | 4.16 | 20 | |
| Vinyl Acetate | 1532 | 50.0 | ug/L | 1400 | ND | 109 | 58-142 | 1.36 | 24 | |
| cis-1,2-Dichloroethylene | 504.4 | 10.0 | ug/L | 504 | ND | 100 | 68-151 | 4.63 | 22 | |
| 2-Butanone (MEK) | 807.6 | 100 | ug/L | 1000 | ND | 80.8 | 50-160 | 4.89 | 23 | |
| Bromochloromethane | 463.9 | 10.0 | ug/L | 504 | ND | 92.0 | 65-143 | 4.78 | 22 | |
| Chloroform | 527.3 | 10.0 | ug/L | 501 | ND | 105 | 71-143 | 5.06 | 21 | |
| 1,1,1-Trichloroethane | 555.4 | 10.0 | ug/L | 501 | ND | 111 | 63-133 | 5.09 | 23 | |
| Carbon Tetrachloride | 574.1 | 10.0 | ug/L | 501 | ND | 115 | 63-142 | 5.08 | 22 | |
| Benzene | 491.8 | 10.0 | ug/L | 504 | ND | 97.5 | 69-133 | 6.61 | 18 | |
| 1,2-Dichloroethane | 475.8 | 10.0 | ug/L | 501 | ND | 95.0 | 63-138 | 4.66 | 20 | |
| Trichloroethylene | 533.3 | 10.0 | ug/L | 501 | ND | 106 | 71-133 | 4.92 | 23 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0698 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1IC0698-MSD1)** | **Source: 1IC0573-07** | Prepared: 03/13/25 00:00 Analyzed: 03/14/25 00:10 | | | | | | | | |
| 1,2-Dichloropropane | 483.5 | 10.0 | ug/L | 501 | ND | 96.5 | 69-132 | 1.31 | 20 | |
| Dibromomethane | 466.7 | 10.0 | ug/L | 504 | ND | 92.7 | 70-147 | 6.61 | 22 | |
| Bromodichloromethane | 517.0 | 10.0 | ug/L | 501 | ND | 103 | 67-130 | 17.2 | 21 | |
| cis-1,3-Dichloropropene | 449.2 | 10.0 | ug/L | 501 | ND | 89.7 | 61-126 | 15.9 | 21 | |
| Toluene | 500.2 | 10.0 | ug/L | 505 | ND | 99.1 | 71-133 | 4.38 | 19 | |
| trans-1,3-Dichloropropene | 431.9 | 10.0 | ug/L | 501 | ND | 86.3 | 63-124 | 3.28 | 21 | |
| 1,1,2-Trichloroethane | 509.8 | 10.0 | ug/L | 501 | ND | 102 | 69-133 | 3.24 | 19 | |
| Tetrachloroethylene | 558.3 | 10.0 | ug/L | 501 | ND | 111 | 70-124 | 5.22 | 24 | |
| Dibromochloromethane | 494.0 | 10.0 | ug/L | 501 | ND | 98.7 | 74-122 | 4.82 | 21 | |
| 1,2-Dibromoethane | 477.2 | 10.0 | ug/L | 502 | ND | 95.0 | 66-127 | 1.56 | 23 | |
| Chlorobenzene | 483.8 | 10.0 | ug/L | 501 | ND | 96.6 | 76-116 | 5.06 | 21 | |
| 1,1,1,2-Tetrachloroethane | 506.9 | 10.0 | ug/L | 503 | ND | 101 | 77-121 | 5.62 | 25 | |
| Ethylbenzene | 495.3 | 10.0 | ug/L | 502 | ND | 98.7 | 73-124 | 5.31 | 20 | |
| Xylenes, total | 1476 | 20.0 | ug/L | 1510 | ND | 97.7 | 75-123 | 5.55 | 20 | |
| Styrene | 512.8 | 10.0 | ug/L | 504 | ND | 102 | 70-120 | 4.96 | 23 | |
| Bromoform | 477.3 | 10.0 | ug/L | 501 | ND | 95.2 | 70-124 | 4.96 | 22 | |
| 1,2,3-Trichloropropane | 439.8 | 10.0 | ug/L | 503 | ND | 87.4 | 62-135 | 5.96 | 28 | |
| trans-1,4-Dichloro-2-butene | 703.1 | 50.0 | ug/L | 1000 | ND | 70.3 | 50-120 | 5.32 | 26 | |
| 1,1,2,2-Tetrachloroethane | 418.1 | 10.0 | ug/L | 501 | ND | 83.4 | 63-126 | 0.952 | 24 | |
| 1,4-Dichlorobenzene | 456.9 | 10.0 | ug/L | 501 | ND | 91.2 | 72-119 | 2.74 | 24 | |
| 1,2-Dichlorobenzene | 454.8 | 10.0 | ug/L | 501 | ND | 90.8 | 71-117 | 2.48 | 24 | |
| *Surrogate: Dibromofluoromethane* | *522* | | ug/L | *502* | | *104* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *522* | | ug/L | *502* | | *104* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *472* | | ug/L | *501* | | *94.3* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *472* | | ug/L | *501* | | *94.3* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *495* | | ug/L | *504* | | *98.2* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *495* | | ug/L | *504* | | *98.2* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *504* | | ug/L | *501* | | *100* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *504* | | ug/L | *501* | | *100* | *78-121* | | | |
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC0807-BLK1)** | | Prepared: 03/17/25 00:00 Analyzed: 03/17/25 20:21 | | | | | | | | |
| Dichlorodifluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC0807-BLK1)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/17/25 20:21 | | | | | | |
| Acrolein | <10.0 | 10.0 | ug/L | | | | | | | |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Acetone | <10.0 | 10.0 | ug/L | | | | | | | |
| Acetone | <10.0 | 10.0 | ug/L | | | | | | | |
| Methyl Iodide | <2.0 | 2.0 | ug/L | | | | | | | |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | | | | | | |
| Acetonitrile | <10.0 | 10.0 | ug/L | | | | | | | |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | | | | | | |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | | | | | | |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | | | | | | |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | | | | | | |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | | | | | | |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | | | | | | |
| 2,2-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Butanone (MEK) | <5.0 | 5.0 | ug/L | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | | | | | | |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| Dibromomethane | <1.0 | 1.0 | ug/L | | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC0807-BLK1)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/17/25 20:21 | | | | | | |
| Dibromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | <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 | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Toluene | <1.0 | 1.0 | ug/L | | | | | | | |
| Toluene | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| Ethyl Methacrylate | <10.0 | 10.0 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,3-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Xylenes, total | <2.0 | 2.0 | ug/L | | | | | | | |
| Xylenes, total | <2.0 | 2.0 | ug/L | | | | | | | |
| Styrene | <1.0 | 1.0 | ug/L | | | | | | | |
| Styrene | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromoform | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromoform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2,3-Trichloropropane | <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 | | | | | | | |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,3-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC0807-BLK1)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/17/25 20:21 | | | | | | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | | | | | | |
| 1,2,4-Trichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *43.6* | | ug/L | *50.2* | | *86.8* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *43.6* | | ug/L | *50.2* | | *86.8* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *43.6* | | ug/L | *50.2* | | *86.8* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *41.0* | | ug/L | *50.1* | | *81.8* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *41.0* | | ug/L | *50.1* | | *81.8* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *41.0* | | ug/L | *50.1* | | *81.8* | *61-142* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *41.0* | | ug/L | *50.1* | | *81.8* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *51.8* | | ug/L | *50.4* | | *103* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *51.8* | | ug/L | *50.4* | | *103* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *51.8* | | ug/L | *50.4* | | *103* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *51.8* | | ug/L | *50.4* | | *103* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *50.5* | | ug/L | *50.1* | | *101* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *50.5* | | ug/L | *50.1* | | *101* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *50.5* | | ug/L | *50.1* | | *101* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *50.5* | | ug/L | *50.1* | | *101* | *78-121* | | | |
| **Blank (1IC0807-BLK2)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 07:10 | | | | | | |
| Dichlorodifluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Acrolein | <10.0 | 10.0 | ug/L | | | | | | | |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Acetone | <10.0 | 10.0 | ug/L | | | | | | | |
| Acetone | <10.0 | 10.0 | ug/L | | | | | | | |
| Methyl Iodide | <2.0 | 2.0 | ug/L | | | | | | | |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | | | | | | |
| Acetonitrile | <10.0 | 10.0 | ug/L | | | | | | | |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC0807-BLK2)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 07:10 | | | | | | |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | | | | | | |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | | | | | | |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | | | | | | |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | | | | | | |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | | | | | | |
| 2,2-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Butanone (MEK) | <5.0 | 5.0 | ug/L | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | | | | | | |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| Dibromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Dibromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | <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 | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Toluene | <1.0 | 1.0 | ug/L | | | | | | | |
| Toluene | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC0807-BLK2)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 07:10 | | | | | | |
| Ethyl Methacrylate | <10.0 | 10.0 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,3-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Xylenes, total | <2.0 | 2.0 | ug/L | | | | | | | |
| Xylenes, total | <2.0 | 2.0 | ug/L | | | | | | | |
| Styrene | <1.0 | 1.0 | ug/L | | | | | | | |
| Styrene | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromoform | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromoform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2,3-Trichloropropane | <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 | | | | | | | |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,3-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | | | | | | |
| 1,2,4-Trichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *39.5* | | ug/L | *50.2* | | *78.7* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *39.5* | | ug/L | *50.2* | | *78.7* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *39.5* | | ug/L | *50.2* | | *78.7* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *37.2* | | ug/L | *50.1* | | *74.2* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *37.2* | | ug/L | *50.1* | | *74.2* | *53-140* | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC0807-BLK2)** | | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 07:10 | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *37.2* | | ug/L | *50.1* | | *74.2* | *61-142* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *37.2* | | ug/L | *50.1* | | *74.2* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *52.7* | | ug/L | *50.4* | | *105* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *52.7* | | ug/L | *50.4* | | *105* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *52.7* | | ug/L | *50.4* | | *105* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *52.7* | | ug/L | *50.4* | | *105* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.5* | | ug/L | *50.1* | | *98.7* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.5* | | ug/L | *50.1* | | *98.7* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.5* | | ug/L | *50.1* | | *98.7* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.5* | | ug/L | *50.1* | | *98.7* | *78-121* | | | |
| **LCS (1IC0807-BS1)** | | | Prepared: 03/17/25 00:00 Analyzed: 03/17/25 19:01 | | | | | | | |
| Dichlorodifluoromethane | 27.37 | 1.0 | ug/L | 30.3 | | 90.4 | 49-138 | | | |
| Chloromethane | 31.99 | 1.0 | ug/L | 30.3 | | 106 | 60-141 | | | |
| Chloromethane | 31.99 | 1.0 | ug/L | 30.3 | | 106 | 63-155 | | | |
| Vinyl Chloride | 30.87 | 1.0 | ug/L | 30.2 | | 102 | 65-137 | | | |
| Vinyl Chloride | 30.87 | 1.0 | ug/L | 30.2 | | 102 | 70-154 | | | |
| Bromomethane | 28.22 | 1.0 | ug/L | 30.1 | | 93.7 | 47-173 | | | |
| Bromomethane | 28.22 | 1.0 | ug/L | 30.1 | | 93.7 | 52-176 | | | |
| Chloroethane | 31.66 | 1.0 | ug/L | 30.3 | | 104 | 67-145 | | | |
| Chloroethane | 31.66 | 1.0 | ug/L | 30.3 | | 104 | 72-148 | | | |
| Trichlorofluoromethane | 29.32 | 1.0 | ug/L | 30.3 | | 96.7 | 63-127 | | | |
| Trichlorofluoromethane | 29.32 | 1.0 | ug/L | 30.3 | | 96.7 | 70-152 | | | |
| Acrolein | 87.00 | 10.0 | ug/L | 50.4 | | 173 | 21-142 | | | Q2 |
| 1,1-Dichloroethylene | 56.32 | 1.0 | ug/L | 50.1 | | 112 | 69-136 | | | |
| 1,1-Dichloroethylene | 56.32 | 1.0 | ug/L | 50.1 | | 112 | 70-148 | | | |
| Acetone | 130.6 | 10.0 | ug/L | 100 | | 131 | 45-153 | | | |
| Acetone | 130.6 | 10.0 | ug/L | 100 | | 131 | 43-172 | | | |
| Methyl Iodide | 105.7 | 2.0 | ug/L | 100 | | 106 | 58-156 | | | |
| Methyl Iodide | 105.7 | 1.0 | ug/L | 100 | | 106 | 69-170 | | | |
| Carbon Disulfide | 103.6 | 1.0 | ug/L | 100 | | 104 | 68-128 | | | |
| Carbon Disulfide | 103.6 | 1.0 | ug/L | 100 | | 104 | 72-162 | | | |
| Acetonitrile | 129.7 | 10.0 | ug/L | 100 | | 130 | 35-177 | | | |
| Methylene Chloride | 52.46 | 5.0 | ug/L | 50.1 | | 105 | 65-124 | | | |
| Methylene Chloride | 52.46 | 5.0 | ug/L | 50.1 | | 105 | 68-142 | | | |
| Acrylonitrile | 128.1 | 5.0 | ug/L | 50.2 | | 255 | 56-135 | | | Q4 |
| Acrylonitrile | 128.1 | 5.0 | ug/L | 50.2 | | 255 | 56-135 | | | Q2 |
| trans-1,2-Dichloroethylene | 56.56 | 1.0 | ug/L | 50.1 | | 113 | 74-126 | | | |
| trans-1,2-Dichloroethylene | 56.56 | 1.0 | ug/L | 50.1 | | 113 | 66-148 | | | |
| 1,1-Dichloroethane | 56.01 | 1.0 | ug/L | 50.1 | | 112 | 73-122 | | | |
| 1,1-Dichloroethane | 56.01 | 1.0 | ug/L | 50.1 | | 112 | 66-143 | | | |
| Vinyl Acetate | 182.9 | 5.0 | ug/L | 140 | | 131 | 24-171 | | | |
| Vinyl Acetate | 182.9 | 5.0 | ug/L | 140 | | 131 | 43-153 | | | |
| 2,2-Dichloropropane | 55.82 | 1.0 | ug/L | 50.3 | | 111 | 68-120 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS (1IC0807-BS1)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/17/25 19:01 | | | | | | |
| cis-1,2-Dichloroethylene | 56.29 | 1.0 | ug/L | 50.4 | | 112 | 65-149 | | | |
| cis-1,2-Dichloroethylene | 56.29 | 1.0 | ug/L | 50.4 | | 112 | 71-149 | | | |
| 2-Butanone (MEK) | 108.2 | 5.0 | ug/L | 100 | | 108 | 57-147 | | | |
| 2-Butanone (MEK) | 108.2 | 10.0 | ug/L | 100 | | 108 | 52-159 | | | |
| Bromochloromethane | 57.54 | 1.0 | ug/L | 50.4 | | 114 | 76-125 | | | |
| Bromochloromethane | 57.54 | 1.0 | ug/L | 50.4 | | 114 | 69-143 | | | |
| Chloroform | 55.06 | 1.0 | ug/L | 50.1 | | 110 | 71-125 | | | |
| Chloroform | 55.06 | 1.0 | ug/L | 50.1 | | 110 | 69-144 | | | |
| 1,1,1-Trichloroethane | 55.17 | 1.0 | ug/L | 50.1 | | 110 | 66-118 | | | |
| 1,1,1-Trichloroethane | 55.17 | 1.0 | ug/L | 50.1 | | 110 | 62-129 | | | |
| 1,1-Dichloropropene | 54.00 | 1.0 | ug/L | 50.5 | | 107 | 69-130 | | | |
| Carbon Tetrachloride | 55.05 | 1.0 | ug/L | 50.1 | | 110 | 68-126 | | | |
| Carbon Tetrachloride | 55.05 | 1.0 | ug/L | 50.1 | | 110 | 63-141 | | | |
| Benzene | 49.00 | 1.0 | ug/L | 50.4 | | 97.2 | 81-123 | | | |
| Benzene | 49.00 | 1.0 | ug/L | 50.4 | | 97.2 | 71-134 | | | |
| 1,2-Dichloroethane | 55.01 | 1.0 | ug/L | 50.1 | | 110 | 70-130 | | | |
| 1,2-Dichloroethane | 55.01 | 1.0 | ug/L | 50.1 | | 110 | 72-132 | | | |
| Trichloroethylene | 50.10 | 1.0 | ug/L | 50.1 | | 100 | 84-118 | | | |
| Trichloroethylene | 50.10 | 1.0 | ug/L | 50.1 | | 100 | 71-135 | | | |
| 1,2-Dichloropropane | 51.79 | 1.0 | ug/L | 50.1 | | 103 | 87-118 | | | |
| 1,2-Dichloropropane | 51.79 | 1.0 | ug/L | 50.1 | | 103 | 69-136 | | | |
| Dibromomethane | 55.44 | 1.0 | ug/L | 50.4 | | 110 | 82-126 | | | |
| Dibromomethane | 55.44 | 1.0 | ug/L | 50.4 | | 110 | 73-147 | | | |
| Bromodichloromethane | 54.46 | 1.0 | ug/L | 50.1 | | 109 | 80-116 | | | |
| Bromodichloromethane | 54.46 | 1.0 | ug/L | 50.1 | | 109 | 68-129 | | | |
| cis-1,3-Dichloropropene | 54.03 | 1.0 | ug/L | 50.1 | | 108 | 83-116 | | | |
| cis-1,3-Dichloropropene | 54.03 | 1.0 | ug/L | 50.1 | | 108 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 112.0 | 5.0 | ug/L | 100 | | 112 | 74-138 | | | |
| 4-Methyl-2-pentanone (MIBK) | 112.0 | 5.0 | ug/L | 100 | | 112 | 58-147 | | | |
| Toluene | 52.24 | 1.0 | ug/L | 50.5 | | 103 | 78-123 | | | |
| Toluene | 52.24 | 1.0 | ug/L | 50.5 | | 103 | 72-133 | | | |
| trans-1,3-Dichloropropene | 54.08 | 1.0 | ug/L | 50.1 | | 108 | 75-120 | | | |
| trans-1,3-Dichloropropene | 54.08 | 1.0 | ug/L | 50.1 | | 108 | 67-130 | | | |
| Ethyl Methacrylate | 110.9 | 10.0 | ug/L | 100 | | 111 | 77-129 | | | |
| 1,1,2-Trichloroethane | 51.16 | 1.0 | ug/L | 50.1 | | 102 | 81-121 | | | |
| 1,1,2-Trichloroethane | 51.16 | 1.0 | ug/L | 50.1 | | 102 | 69-135 | | | |
| Tetrachloroethylene | 48.66 | 1.0 | ug/L | 50.1 | | 97.1 | 76-120 | | | |
| Tetrachloroethylene | 48.66 | 1.0 | ug/L | 50.1 | | 97.1 | 69-130 | | | |
| 1,3-Dichloropropane | 59.73 | 1.0 | ug/L | 50.4 | | 118 | 86-131 | | | |
| 2-Hexanone (MBK) | 121.3 | 5.0 | ug/L | 100 | | 121 | 76-139 | | | |
| 2-Hexanone (MBK) | 121.3 | 5.0 | ug/L | 100 | | 121 | 55-144 | | | |
| Dibromochloromethane | 55.26 | 1.0 | ug/L | 50.1 | | 110 | 83-123 | | | |
| Dibromochloromethane | 55.26 | 1.0 | ug/L | 50.1 | | 110 | 73-127 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS (1IC0807-BS1)** | | | Prepared: 03/17/25 00:00 Analyzed: 03/17/25 19:01 | | | | | | | |
| 1,2-Dibromoethane | 55.88 | 1.0 | ug/L | 50.2 | | 111 | 86-115 | | | |
| 1,2-Dibromoethane | 55.88 | 1.0 | ug/L | 50.2 | | 111 | 67-132 | | | |
| Chlorobenzene | 48.27 | 1.0 | ug/L | 50.1 | | 96.4 | 82-117 | | | |
| Chlorobenzene | 48.27 | 1.0 | ug/L | 50.1 | | 96.4 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 50.14 | 1.0 | ug/L | 50.3 | | 99.6 | 86-119 | | | |
| 1,1,1,2-Tetrachloroethane | 50.14 | 1.0 | ug/L | 50.3 | | 99.6 | 73-127 | | | |
| Ethylbenzene | 51.97 | 1.0 | ug/L | 50.2 | | 104 | 80-122 | | | |
| Ethylbenzene | 51.97 | 1.0 | ug/L | 50.2 | | 104 | 71-127 | | | |
| Xylenes, total | 160.4 | 2.0 | ug/L | 151 | | 106 | 81-122 | | | |
| Xylenes, total | 160.4 | 2.0 | ug/L | 151 | | 106 | 74-127 | | | |
| Styrene | 55.39 | 1.0 | ug/L | 50.4 | | 110 | 85-118 | | | |
| Styrene | 55.39 | 1.0 | ug/L | 50.4 | | 110 | 66-126 | | | |
| Bromoform | 55.24 | 1.0 | ug/L | 50.1 | | 110 | 80-123 | | | |
| Bromoform | 55.24 | 1.0 | ug/L | 50.1 | | 110 | 68-130 | | | |
| 1,2,3-Trichloropropane | 49.38 | 1.0 | ug/L | 50.3 | | 98.1 | 83-126 | | | |
| 1,2,3-Trichloropropane | 49.38 | 1.0 | ug/L | 50.3 | | 98.1 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 110.5 | 5.0 | ug/L | 100 | | 111 | 67-118 | | | |
| trans-1,4-Dichloro-2-butene | 110.5 | 5.0 | ug/L | 100 | | 111 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 51.21 | 1.0 | ug/L | 50.1 | | 102 | 81-124 | | | |
| 1,1,2,2-Tetrachloroethane | 51.21 | 1.0 | ug/L | 50.1 | | 102 | 61-131 | | | |
| 1,3-Dichlorobenzene | 53.00 | 1.0 | ug/L | 50.1 | | 106 | 83-114 | | | |
| 1,4-Dichlorobenzene | 49.20 | 1.0 | ug/L | 50.1 | | 98.2 | 83-117 | | | |
| 1,4-Dichlorobenzene | 49.20 | 1.0 | ug/L | 50.1 | | 98.2 | 70-129 | | | |
| 1,2-Dichlorobenzene | 54.00 | 1.0 | ug/L | 50.1 | | 108 | 83-116 | | | |
| 1,2-Dichlorobenzene | 54.00 | 1.0 | ug/L | 50.1 | | 108 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 59.61 | 1.0 | ug/L | 50.1 | | 119 | 77-128 | | | |
| 1,2-Dibromo-3-chloropropane | 59.61 | 5.0 | ug/L | 50.1 | | 119 | 50-143 | | | |
| 1,2,4-Trichlorobenzene | 69.15 | 1.0 | ug/L | 50.4 | | 137 | 66-134 | | | Q2 |
| *Surrogate: Dibromofluoromethane* | *55.3* | | ug/L | *50.2* | | *110* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *55.3* | | ug/L | *50.2* | | *110* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *55.3* | | ug/L | *50.2* | | *110* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *55.2* | | ug/L | *50.1* | | *110* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *55.2* | | ug/L | *50.1* | | *110* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *55.2* | | ug/L | *50.1* | | *110* | *61-142* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *55.2* | | ug/L | *50.1* | | *110* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *50.2* | | ug/L | *50.4* | | *99.6* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *50.2* | | ug/L | *50.4* | | *99.6* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *50.2* | | ug/L | *50.4* | | *99.6* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *50.2* | | ug/L | *50.4* | | *99.6* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *53.0* | | ug/L | *50.1* | | *106* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *53.0* | | ug/L | *50.1* | | *106* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *53.0* | | ug/L | *50.1* | | *106* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *53.0* | | ug/L | *50.1* | | *106* | *78-121* | | | |
| **LCS (1IC0807-BS2)** | | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:19 | | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS (1IC0807-BS2)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:19 | | | | | | |
| Dichlorodifluoromethane | 34.61 | 1.0 | ug/L | 30.3 | | 114 | 49-138 | | | |
| Chloromethane | 32.41 | 1.0 | ug/L | 30.3 | | 107 | 60-141 | | | |
| Chloromethane | 32.41 | 1.0 | ug/L | 30.3 | | 107 | 63-155 | | | |
| Vinyl Chloride | 32.87 | 1.0 | ug/L | 30.2 | | 109 | 65-137 | | | |
| Vinyl Chloride | 32.87 | 1.0 | ug/L | 30.2 | | 109 | 70-154 | | | |
| Bromomethane | 30.60 | 1.0 | ug/L | 30.1 | | 102 | 47-173 | | | |
| Bromomethane | 30.60 | 1.0 | ug/L | 30.1 | | 102 | 52-176 | | | |
| Chloroethane | 31.37 | 1.0 | ug/L | 30.3 | | 103 | 67-145 | | | |
| Chloroethane | 31.37 | 1.0 | ug/L | 30.3 | | 103 | 72-148 | | | |
| Trichlorofluoromethane | 33.69 | 1.0 | ug/L | 30.3 | | 111 | 63-127 | | | |
| Trichlorofluoromethane | 33.69 | 1.0 | ug/L | 30.3 | | 111 | 70-152 | | | |
| Acrolein | 59.50 | 10.0 | ug/L | 50.4 | | 118 | 21-142 | | | |
| 1,1-Dichloroethylene | 56.66 | 1.0 | ug/L | 50.1 | | 113 | 69-136 | | | |
| 1,1-Dichloroethylene | 56.66 | 1.0 | ug/L | 50.1 | | 113 | 70-148 | | | |
| Acetone | 132.7 | 10.0 | ug/L | 100 | | 133 | 45-153 | | | |
| Acetone | 132.7 | 10.0 | ug/L | 100 | | 133 | 43-172 | | | |
| Methyl Iodide | 100.7 | 2.0 | ug/L | 100 | | 101 | 58-156 | | | |
| Methyl Iodide | 100.7 | 1.0 | ug/L | 100 | | 101 | 69-170 | | | |
| Carbon Disulfide | 103.5 | 1.0 | ug/L | 100 | | 104 | 68-128 | | | |
| Carbon Disulfide | 103.5 | 1.0 | ug/L | 100 | | 104 | 72-162 | | | |
| Acetonitrile | 125.2 | 10.0 | ug/L | 100 | | 125 | 35-177 | | | |
| Methylene Chloride | 49.57 | 5.0 | ug/L | 50.1 | | 98.9 | 65-124 | | | |
| Methylene Chloride | 49.57 | 5.0 | ug/L | 50.1 | | 98.9 | 68-142 | | | |
| Acrylonitrile | 57.03 | 5.0 | ug/L | 50.2 | | 114 | 56-135 | | | |
| Acrylonitrile | 57.03 | 5.0 | ug/L | 50.2 | | 114 | 56-135 | | | |
| trans-1,2-Dichloroethylene | 56.18 | 1.0 | ug/L | 50.1 | | 112 | 74-126 | | | |
| trans-1,2-Dichloroethylene | 56.18 | 1.0 | ug/L | 50.1 | | 112 | 66-148 | | | |
| 1,1-Dichloroethane | 56.08 | 1.0 | ug/L | 50.1 | | 112 | 73-122 | | | |
| 1,1-Dichloroethane | 56.08 | 1.0 | ug/L | 50.1 | | 112 | 66-143 | | | |
| Vinyl Acetate | 172.8 | 5.0 | ug/L | 140 | | 123 | 24-171 | | | |
| Vinyl Acetate | 172.8 | 5.0 | ug/L | 140 | | 123 | 43-153 | | | |
| 2,2-Dichloropropane | 42.68 | 1.0 | ug/L | 50.3 | | 84.8 | 68-120 | | | |
| cis-1,2-Dichloroethylene | 56.61 | 1.0 | ug/L | 50.4 | | 112 | 65-149 | | | |
| cis-1,2-Dichloroethylene | 56.61 | 1.0 | ug/L | 50.4 | | 112 | 71-149 | | | |
| 2-Butanone (MEK) | 111.6 | 5.0 | ug/L | 100 | | 112 | 57-147 | | | |
| 2-Butanone (MEK) | 111.6 | 10.0 | ug/L | 100 | | 112 | 52-159 | | | |
| Bromochloromethane | 56.23 | 1.0 | ug/L | 50.4 | | 112 | 76-125 | | | |
| Bromochloromethane | 56.23 | 1.0 | ug/L | 50.4 | | 112 | 69-143 | | | |
| Chloroform | 56.17 | 1.0 | ug/L | 50.1 | | 112 | 71-125 | | | |
| Chloroform | 56.17 | 1.0 | ug/L | 50.1 | | 112 | 69-144 | | | |
| 1,1,1-Trichloroethane | 56.43 | 1.0 | ug/L | 50.1 | | 113 | 66-118 | | | |
| 1,1,1-Trichloroethane | 56.43 | 1.0 | ug/L | 50.1 | | 113 | 62-129 | | | |
| 1,1-Dichloropropene | 57.72 | 1.0 | ug/L | 50.5 | | 114 | 69-130 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS (1IC0807-BS2)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:19 | | | | | | |
| Carbon Tetrachloride | 55.95 | 1.0 | ug/L | 50.1 | | 112 | 68-126 | | | |
| Carbon Tetrachloride | 55.95 | 1.0 | ug/L | 50.1 | | 112 | 63-141 | | | |
| Benzene | 50.09 | 1.0 | ug/L | 50.4 | | 99.3 | 81-123 | | | |
| Benzene | 50.09 | 1.0 | ug/L | 50.4 | | 99.3 | 71-134 | | | |
| 1,2-Dichloroethane | 53.51 | 1.0 | ug/L | 50.1 | | 107 | 70-130 | | | |
| 1,2-Dichloroethane | 53.51 | 1.0 | ug/L | 50.1 | | 107 | 72-132 | | | |
| Trichloroethylene | 51.60 | 1.0 | ug/L | 50.1 | | 103 | 84-118 | | | |
| Trichloroethylene | 51.60 | 1.0 | ug/L | 50.1 | | 103 | 71-135 | | | |
| 1,2-Dichloropropane | 52.02 | 1.0 | ug/L | 50.1 | | 104 | 87-118 | | | |
| 1,2-Dichloropropane | 52.02 | 1.0 | ug/L | 50.1 | | 104 | 69-136 | | | |
| Dibromomethane | 54.39 | 1.0 | ug/L | 50.4 | | 108 | 82-126 | | | |
| Dibromomethane | 54.39 | 1.0 | ug/L | 50.4 | | 108 | 73-147 | | | |
| Bromodichloromethane | 54.07 | 1.0 | ug/L | 50.1 | | 108 | 80-116 | | | |
| Bromodichloromethane | 54.07 | 1.0 | ug/L | 50.1 | | 108 | 68-129 | | | |
| cis-1,3-Dichloropropene | 51.63 | 1.0 | ug/L | 50.1 | | 103 | 83-116 | | | |
| cis-1,3-Dichloropropene | 51.63 | 1.0 | ug/L | 50.1 | | 103 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 112.6 | 5.0 | ug/L | 100 | | 113 | 74-138 | | | |
| 4-Methyl-2-pentanone (MIBK) | 112.6 | 5.0 | ug/L | 100 | | 113 | 58-147 | | | |
| Toluene | 53.33 | 1.0 | ug/L | 50.5 | | 106 | 78-123 | | | |
| Toluene | 53.33 | 1.0 | ug/L | 50.5 | | 106 | 72-133 | | | |
| trans-1,3-Dichloropropene | 50.10 | 1.0 | ug/L | 50.1 | | 100 | 75-120 | | | |
| trans-1,3-Dichloropropene | 50.10 | 1.0 | ug/L | 50.1 | | 100 | 67-130 | | | |
| Ethyl Methacrylate | 107.8 | 10.0 | ug/L | 100 | | 108 | 77-129 | | | |
| 1,1,2-Trichloroethane | 52.01 | 1.0 | ug/L | 50.1 | | 104 | 81-121 | | | |
| 1,1,2-Trichloroethane | 52.01 | 1.0 | ug/L | 50.1 | | 104 | 69-135 | | | |
| Tetrachloroethylene | 49.42 | 1.0 | ug/L | 50.1 | | 98.6 | 76-120 | | | |
| Tetrachloroethylene | 49.42 | 1.0 | ug/L | 50.1 | | 98.6 | 69-130 | | | |
| 1,3-Dichloropropane | 53.38 | 1.0 | ug/L | 50.4 | | 106 | 86-131 | | | |
| 2-Hexanone (MBK) | 114.2 | 5.0 | ug/L | 100 | | 114 | 76-139 | | | |
| 2-Hexanone (MBK) | 114.2 | 5.0 | ug/L | 100 | | 114 | 55-144 | | | |
| Dibromochloromethane | 55.13 | 1.0 | ug/L | 50.1 | | 110 | 83-123 | | | |
| Dibromochloromethane | 55.13 | 1.0 | ug/L | 50.1 | | 110 | 73-127 | | | |
| 1,2-Dibromoethane | 53.91 | 1.0 | ug/L | 50.2 | | 107 | 86-115 | | | |
| 1,2-Dibromoethane | 53.91 | 1.0 | ug/L | 50.2 | | 107 | 67-132 | | | |
| Chlorobenzene | 49.01 | 1.0 | ug/L | 50.1 | | 97.9 | 82-117 | | | |
| Chlorobenzene | 49.01 | 1.0 | ug/L | 50.1 | | 97.9 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 48.88 | 1.0 | ug/L | 50.3 | | 97.1 | 86-119 | | | |
| 1,1,1,2-Tetrachloroethane | 48.88 | 1.0 | ug/L | 50.3 | | 97.1 | 73-127 | | | |
| Ethylbenzene | 52.41 | 1.0 | ug/L | 50.2 | | 104 | 80-122 | | | |
| Ethylbenzene | 52.41 | 1.0 | ug/L | 50.2 | | 104 | 71-127 | | | |
| Xylenes, total | 158.3 | 2.0 | ug/L | 151 | | 105 | 81-122 | | | |
| Xylenes, total | 158.3 | 2.0 | ug/L | 151 | | 105 | 74-127 | | | |
| Styrene | 54.76 | 1.0 | ug/L | 50.4 | | 109 | 85-118 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS (1IC0807-BS2)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:19 | | | | | | |
| Styrene | 54.76 | 1.0 | ug/L | 50.4 | | 109 | 66-126 | | | |
| Bromoform | 56.81 | 1.0 | ug/L | 50.1 | | 113 | 80-123 | | | |
| Bromoform | 56.81 | 1.0 | ug/L | 50.1 | | 113 | 68-130 | | | |
| 1,2,3-Trichloropropane | 50.18 | 1.0 | ug/L | 50.3 | | 99.7 | 83-126 | | | |
| 1,2,3-Trichloropropane | 50.18 | 1.0 | ug/L | 50.3 | | 99.7 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 96.39 | 5.0 | ug/L | 100 | | 96.4 | 67-118 | | | |
| trans-1,4-Dichloro-2-butene | 96.39 | 5.0 | ug/L | 100 | | 96.4 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 49.19 | 1.0 | ug/L | 50.1 | | 98.2 | 81-124 | | | |
| 1,1,2,2-Tetrachloroethane | 49.19 | 1.0 | ug/L | 50.1 | | 98.2 | 61-131 | | | |
| 1,3-Dichlorobenzene | 50.62 | 1.0 | ug/L | 50.1 | | 101 | 83-114 | | | |
| 1,4-Dichlorobenzene | 47.98 | 1.0 | ug/L | 50.1 | | 95.7 | 83-117 | | | |
| 1,4-Dichlorobenzene | 47.98 | 1.0 | ug/L | 50.1 | | 95.7 | 70-129 | | | |
| 1,2-Dichlorobenzene | 51.40 | 1.0 | ug/L | 50.1 | | 103 | 83-116 | | | |
| 1,2-Dichlorobenzene | 51.40 | 1.0 | ug/L | 50.1 | | 103 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 56.43 | 1.0 | ug/L | 50.1 | | 113 | 77-128 | | | |
| 1,2-Dibromo-3-chloropropane | 56.43 | 5.0 | ug/L | 50.1 | | 113 | 50-143 | | | |
| 1,2,4-Trichlorobenzene | 61.34 | 1.0 | ug/L | 50.4 | | 122 | 66-134 | | | |
| *Surrogate: Dibromofluoromethane* | *56.0* | | ug/L | *50.2* | | *112* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *56.0* | | ug/L | *50.2* | | *112* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *56.0* | | ug/L | *50.2* | | *112* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *55.4* | | ug/L | *50.1* | | *111* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *55.4* | | ug/L | *50.1* | | *111* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *55.4* | | ug/L | *50.1* | | *111* | *61-142* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *55.4* | | ug/L | *50.1* | | *111* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *50.2* | | ug/L | *50.4* | | *99.7* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *50.2* | | ug/L | *50.4* | | *99.7* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *50.2* | | ug/L | *50.4* | | *99.7* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *50.2* | | ug/L | *50.4* | | *99.7* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *52.2* | | ug/L | *50.1* | | *104* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *52.2* | | ug/L | *50.1* | | *104* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *52.2* | | ug/L | *50.1* | | *104* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *52.2* | | ug/L | *50.1* | | *104* | *78-121* | | | |
| **LCS Dup (1IC0807-BSD2)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:41 | | | | | | |
| Dichlorodifluoromethane | 31.52 | 1.0 | ug/L | 30.3 | | 104 | 49-138 | 9.35 | 22 | |
| Chloromethane | 30.24 | 1.0 | ug/L | 30.3 | | 99.7 | 60-141 | 6.93 | 30 | |
| Chloromethane | 30.24 | 1.0 | ug/L | 30.3 | | 99.7 | 63-155 | 6.93 | 24 | |
| Vinyl Chloride | 30.29 | 1.0 | ug/L | 30.2 | | 100 | 65-137 | 8.17 | 20 | |
| Vinyl Chloride | 30.29 | 1.0 | ug/L | 30.2 | | 100 | 70-154 | 8.17 | 25 | |
| Bromomethane | 29.35 | 1.0 | ug/L | 30.1 | | 97.4 | 47-173 | 4.17 | 17 | |
| Bromomethane | 29.35 | 1.0 | ug/L | 30.1 | | 97.4 | 52-176 | 4.17 | 27 | |
| Chloroethane | 29.21 | 1.0 | ug/L | 30.3 | | 96.3 | 67-145 | 7.13 | 30 | |
| Chloroethane | 29.21 | 1.0 | ug/L | 30.3 | | 96.3 | 72-148 | 7.13 | 25 | |
| Trichlorofluoromethane | 31.08 | 1.0 | ug/L | 30.3 | | 103 | 63-127 | 8.06 | 15 | |
| Trichlorofluoromethane | 31.08 | 1.0 | ug/L | 30.3 | | 103 | 70-152 | 8.06 | 26 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS Dup (1IC0807-BSD2)** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:41 | | | | | | | | | |
| Acrolein | 57.54 | 10.0 | ug/L | 50.4 | | 114 | 21-142 | 3.35 | 18 | |
| 1,1-Dichloroethylene | 53.21 | 1.0 | ug/L | 50.1 | | 106 | 69-136 | 6.28 | 30 | |
| 1,1-Dichloroethylene | 53.21 | 1.0 | ug/L | 50.1 | | 106 | 70-148 | 6.28 | 24 | |
| Acetone | 128.2 | 10.0 | ug/L | 100 | | 128 | 45-153 | 3.43 | 23 | |
| Acetone | 128.2 | 10.0 | ug/L | 100 | | 128 | 43-172 | 3.43 | 30 | |
| Methyl Iodide | 95.17 | 2.0 | ug/L | 100 | | 95.2 | 58-156 | 5.65 | 17 | |
| Methyl Iodide | 95.17 | 1.0 | ug/L | 100 | | 95.2 | 69-170 | 5.65 | 30 | |
| Carbon Disulfide | 97.35 | 1.0 | ug/L | 100 | | 97.4 | 68-128 | 6.13 | 30 | |
| Carbon Disulfide | 97.35 | 1.0 | ug/L | 100 | | 97.4 | 72-162 | 6.13 | 24 | |
| Acetonitrile | 121.2 | 10.0 | ug/L | 100 | | 121 | 35-177 | 3.20 | 30 | |
| Methylene Chloride | 47.40 | 5.0 | ug/L | 50.1 | | 94.6 | 65-124 | 4.48 | 30 | |
| Methylene Chloride | 47.40 | 5.0 | ug/L | 50.1 | | 94.6 | 68-142 | 4.48 | 21 | |
| Acrylonitrile | 55.77 | 5.0 | ug/L | 50.2 | | 111 | 56-135 | 2.23 | 16 | |
| Acrylonitrile | 55.77 | 5.0 | ug/L | 50.2 | | 111 | 56-135 | 2.23 | 16 | |
| trans-1,2-Dichloroethylene | 53.13 | 1.0 | ug/L | 50.1 | | 106 | 74-126 | 5.58 | 30 | |
| trans-1,2-Dichloroethylene | 53.13 | 1.0 | ug/L | 50.1 | | 106 | 66-148 | 5.58 | 27 | |
| 1,1-Dichloroethane | 53.13 | 1.0 | ug/L | 50.1 | | 106 | 73-122 | 5.40 | 30 | |
| 1,1-Dichloroethane | 53.13 | 1.0 | ug/L | 50.1 | | 106 | 66-143 | 5.40 | 24 | |
| Vinyl Acetate | 170.5 | 5.0 | ug/L | 140 | | 122 | 24-171 | 1.36 | 30 | |
| Vinyl Acetate | 170.5 | 5.0 | ug/L | 140 | | 122 | 43-153 | 1.36 | 30 | |
| 2,2-Dichloropropane | 39.68 | 1.0 | ug/L | 50.3 | | 78.8 | 68-120 | 7.29 | 14 | |
| cis-1,2-Dichloroethylene | 53.57 | 1.0 | ug/L | 50.4 | | 106 | 65-149 | 5.52 | 30 | |
| cis-1,2-Dichloroethylene | 53.57 | 1.0 | ug/L | 50.4 | | 106 | 71-149 | 5.52 | 26 | |
| 2-Butanone (MEK) | 104.5 | 5.0 | ug/L | 100 | | 105 | 57-147 | 6.53 | 18 | |
| 2-Butanone (MEK) | 104.5 | 10.0 | ug/L | 100 | | 105 | 52-159 | 6.53 | 27 | |
| Bromochloromethane | 55.07 | 1.0 | ug/L | 50.4 | | 109 | 76-125 | 2.08 | 30 | |
| Bromochloromethane | 55.07 | 1.0 | ug/L | 50.4 | | 109 | 69-143 | 2.08 | 23 | |
| Chloroform | 52.62 | 1.0 | ug/L | 50.1 | | 105 | 71-125 | 6.53 | 30 | |
| Chloroform | 52.62 | 1.0 | ug/L | 50.1 | | 105 | 69-144 | 6.53 | 23 | |
| 1,1,1-Trichloroethane | 53.00 | 1.0 | ug/L | 50.1 | | 106 | 66-118 | 6.27 | 30 | |
| 1,1,1-Trichloroethane | 53.00 | 1.0 | ug/L | 50.1 | | 106 | 62-129 | 6.27 | 24 | |
| 1,1-Dichloropropene | 53.92 | 1.0 | ug/L | 50.5 | | 107 | 69-130 | 6.81 | 30 | |
| Carbon Tetrachloride | 52.13 | 1.0 | ug/L | 50.1 | | 104 | 68-126 | 7.07 | 13 | |
| Carbon Tetrachloride | 52.13 | 1.0 | ug/L | 50.1 | | 104 | 63-141 | 7.07 | 25 | |
| Benzene | 48.15 | 1.0 | ug/L | 50.4 | | 95.5 | 81-123 | 3.95 | 30 | |
| Benzene | 48.15 | 1.0 | ug/L | 50.4 | | 95.5 | 71-134 | 3.95 | 24 | |
| 1,2-Dichloroethane | 52.28 | 1.0 | ug/L | 50.1 | | 104 | 70-130 | 2.33 | 30 | |
| 1,2-Dichloroethane | 52.28 | 1.0 | ug/L | 50.1 | | 104 | 72-132 | 2.33 | 24 | |
| Trichloroethylene | 47.77 | 1.0 | ug/L | 50.1 | | 95.4 | 84-118 | 7.71 | 30 | |
| Trichloroethylene | 47.77 | 1.0 | ug/L | 50.1 | | 95.4 | 71-135 | 7.71 | 24 | |
| 1,2-Dichloropropane | 49.87 | 1.0 | ug/L | 50.1 | | 99.6 | 87-118 | 4.22 | 30 | |
| 1,2-Dichloropropane | 49.87 | 1.0 | ug/L | 50.1 | | 99.6 | 69-136 | 4.22 | 24 | |
| Dibromomethane | 53.04 | 1.0 | ug/L | 50.4 | | 105 | 82-126 | 2.51 | 30 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS Dup (1IC0807-BSD2)** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:41 | | | | | | | | | |
| Dibromomethane | 53.04 | 1.0 | ug/L | 50.4 | | 105 | 73-147 | 2.51 | 25 | |
| Bromodichloromethane | 52.72 | 1.0 | ug/L | 50.1 | | 105 | 80-116 | 2.53 | 30 | |
| Bromodichloromethane | 52.72 | 1.0 | ug/L | 50.1 | | 105 | 68-129 | 2.53 | 22 | |
| cis-1,3-Dichloropropene | 49.96 | 1.0 | ug/L | 50.1 | | 99.8 | 83-116 | 3.29 | 30 | |
| cis-1,3-Dichloropropene | 49.96 | 1.0 | ug/L | 50.1 | | 99.8 | 65-134 | 3.29 | 23 | |
| 4-Methyl-2-pentanone (MIBK) | 112.4 | 5.0 | ug/L | 100 | | 112 | 74-138 | 0.204 | 30 | |
| 4-Methyl-2-pentanone (MIBK) | 112.4 | 5.0 | ug/L | 100 | | 112 | 58-147 | 0.204 | 27 | |
| Toluene | 50.54 | 1.0 | ug/L | 50.5 | | 100 | 78-123 | 5.37 | 30 | |
| Toluene | 50.54 | 1.0 | ug/L | 50.5 | | 100 | 72-133 | 5.37 | 24 | |
| trans-1,3-Dichloropropene | 48.04 | 1.0 | ug/L | 50.1 | | 95.9 | 75-120 | 4.20 | 30 | |
| trans-1,3-Dichloropropene | 48.04 | 1.0 | ug/L | 50.1 | | 95.9 | 67-130 | 4.20 | 24 | |
| Ethyl Methacrylate | 106.5 | 10.0 | ug/L | 100 | | 106 | 77-129 | 1.20 | 30 | |
| 1,1,2-Trichloroethane | 50.12 | 1.0 | ug/L | 50.1 | | 100 | 81-121 | 3.70 | 30 | |
| 1,1,2-Trichloroethane | 50.12 | 1.0 | ug/L | 50.1 | | 100 | 69-135 | 3.70 | 23 | |
| Tetrachloroethylene | 47.42 | 1.0 | ug/L | 50.1 | | 94.7 | 76-120 | 4.13 | 30 | |
| Tetrachloroethylene | 47.42 | 1.0 | ug/L | 50.1 | | 94.7 | 69-130 | 4.13 | 25 | |
| 1,3-Dichloropropane | 52.54 | 1.0 | ug/L | 50.4 | | 104 | 86-131 | 1.59 | 30 | |
| 2-Hexanone (MBK) | 115.0 | 5.0 | ug/L | 100 | | 115 | 76-139 | 0.733 | 15 | |
| 2-Hexanone (MBK) | 115.0 | 5.0 | ug/L | 100 | | 115 | 55-144 | 0.733 | 25 | |
| Dibromochloromethane | 52.89 | 1.0 | ug/L | 50.1 | | 106 | 83-123 | 4.15 | 15 | |
| Dibromochloromethane | 52.89 | 1.0 | ug/L | 50.1 | | 106 | 73-127 | 4.15 | 22 | |
| 1,2-Dibromoethane | 53.48 | 1.0 | ug/L | 50.2 | | 106 | 86-115 | 0.801 | 30 | |
| 1,2-Dibromoethane | 53.48 | 1.0 | ug/L | 50.2 | | 106 | 67-132 | 0.801 | 24 | |
| Chlorobenzene | 47.03 | 1.0 | ug/L | 50.1 | | 93.9 | 82-117 | 4.12 | 30 | |
| Chlorobenzene | 47.03 | 1.0 | ug/L | 50.1 | | 93.9 | 72-123 | 4.12 | 23 | |
| 1,1,1,2-Tetrachloroethane | 47.80 | 1.0 | ug/L | 50.3 | | 94.9 | 86-119 | 2.23 | 30 | |
| 1,1,1,2-Tetrachloroethane | 47.80 | 1.0 | ug/L | 50.3 | | 94.9 | 73-127 | 2.23 | 24 | |
| Ethylbenzene | 50.17 | 1.0 | ug/L | 50.2 | | 100 | 80-122 | 4.37 | 30 | |
| Ethylbenzene | 50.17 | 1.0 | ug/L | 50.2 | | 100 | 71-127 | 4.37 | 26 | |
| Xylenes, total | 151.9 | 2.0 | ug/L | 151 | | 101 | 81-122 | 4.17 | 30 | |
| Xylenes, total | 151.9 | 2.0 | ug/L | 151 | | 101 | 74-127 | 4.17 | 25 | |
| Styrene | 53.03 | 1.0 | ug/L | 50.4 | | 105 | 85-118 | 3.21 | 30 | |
| Styrene | 53.03 | 1.0 | ug/L | 50.4 | | 105 | 66-126 | 3.21 | 23 | |
| Bromoform | 53.13 | 1.0 | ug/L | 50.1 | | 106 | 80-123 | 6.69 | 30 | |
| Bromoform | 53.13 | 1.0 | ug/L | 50.1 | | 106 | 68-130 | 6.69 | 23 | |
| 1,2,3-Trichloropropane | 49.89 | 1.0 | ug/L | 50.3 | | 99.1 | 83-126 | 0.580 | 30 | |
| 1,2,3-Trichloropropane | 49.89 | 1.0 | ug/L | 50.3 | | 99.1 | 63-136 | 0.580 | 24 | |
| trans-1,4-Dichloro-2-butene | 93.88 | 5.0 | ug/L | 100 | | 93.9 | 67-118 | 2.64 | 10 | |
| trans-1,4-Dichloro-2-butene | 93.88 | 5.0 | ug/L | 100 | | 93.9 | 54-134 | 2.64 | 27 | |
| 1,1,2,2-Tetrachloroethane | 49.88 | 1.0 | ug/L | 50.1 | | 99.6 | 81-124 | 1.39 | 30 | |
| 1,1,2,2-Tetrachloroethane | 49.88 | 1.0 | ug/L | 50.1 | | 99.6 | 61-131 | 1.39 | 29 | |
| 1,3-Dichlorobenzene | 49.34 | 1.0 | ug/L | 50.1 | | 98.5 | 83-114 | 2.56 | 30 | |
| 1,4-Dichlorobenzene | 46.49 | 1.0 | ug/L | 50.1 | | 92.7 | 83-117 | 3.15 | 30 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS Dup (1IC0807-BSD2)** | | | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:41 | | | | | | |
| 1,4-Dichlorobenzene | 46.49 | 1.0 | ug/L | 50.1 | | 92.7 | 70-129 | 3.15 | 24 | |
| 1,2-Dichlorobenzene | 49.89 | 1.0 | ug/L | 50.1 | | 99.6 | 83-116 | 2.98 | 30 | |
| 1,2-Dichlorobenzene | 49.89 | 1.0 | ug/L | 50.1 | | 99.6 | 69-126 | 2.98 | 26 | |
| 1,2-Dibromo-3-chloropropane | 55.27 | 1.0 | ug/L | 50.1 | | 110 | 77-128 | 2.08 | 30 | |
| 1,2-Dibromo-3-chloropropane | 55.27 | 5.0 | ug/L | 50.1 | | 110 | 50-143 | 2.08 | 30 | |
| 1,2,4-Trichlorobenzene | 56.38 | 1.0 | ug/L | 50.4 | | 112 | 66-134 | 8.43 | 30 | |
| *Surrogate: Dibromofluoromethane* | *54.1* | | ug/L | *50.2* | | *108* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *54.1* | | ug/L | *50.2* | | *108* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *54.1* | | ug/L | *50.2* | | *108* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *54.7* | | ug/L | *50.1* | | *109* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *54.7* | | ug/L | *50.1* | | *109* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *54.7* | | ug/L | *50.1* | | *109* | *61-142* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *54.7* | | ug/L | *50.1* | | *109* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *49.7* | | ug/L | *50.4* | | *98.7* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *49.7* | | ug/L | *50.4* | | *98.7* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *49.7* | | ug/L | *50.4* | | *98.7* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *49.7* | | ug/L | *50.4* | | *98.7* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *51.8* | | ug/L | *50.1* | | *103* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *51.8* | | ug/L | *50.1* | | *103* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *51.8* | | ug/L | *50.1* | | *103* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *51.8* | | ug/L | *50.1* | | *103* | *78-121* | | | |
| **Matrix Spike (1IC0807-MS1)** | **Source: 1IC0696-04** | | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 03:49 | | | | | | |
| Dichlorodifluoromethane | 361.0 | 10.0 | ug/L | 303 | ND | 119 | 37-140 | | | |
| Chloromethane | 329.9 | 10.0 | ug/L | 303 | ND | 109 | 47-147 | | | |
| Chloromethane | 329.9 | 10.0 | ug/L | 303 | ND | 109 | 61-152 | | | |
| Vinyl Chloride | 342.5 | 10.0 | ug/L | 302 | ND | 113 | 55-142 | | | |
| Vinyl Chloride | 342.5 | 10.0 | ug/L | 302 | ND | 113 | 66-149 | | | |
| Bromomethane | 311.5 | 10.0 | ug/L | 301 | ND | 103 | 34-160 | | | |
| Bromomethane | 311.5 | 10.0 | ug/L | 301 | ND | 103 | 43-171 | | | |
| Chloroethane | 331.4 | 10.0 | ug/L | 303 | ND | 109 | 54-154 | | | |
| Chloroethane | 331.4 | 10.0 | ug/L | 303 | ND | 109 | 69-148 | | | |
| Trichlorofluoromethane | 350.6 | 10.0 | ug/L | 303 | ND | 116 | 49-131 | | | |
| Trichlorofluoromethane | 350.6 | 10.0 | ug/L | 303 | ND | 116 | 62-163 | | | |
| Acrolein | 603.3 | 100 | ug/L | 504 | ND | 120 | 22-138 | | | |
| 1,1-Dichloroethylene | 583.7 | 10.0 | ug/L | 501 | ND | 116 | 57-143 | | | |
| 1,1-Dichloroethylene | 583.7 | 10.0 | ug/L | 501 | ND | 116 | 70-148 | | | |
| Acetone | 2086 | 100 | ug/L | 1000 | ND | 209 | 27-173 | | | M1 |
| Acetone | 2086 | 100 | ug/L | 1000 | ND | 209 | 45-173 | | | M1 |
| Methyl Iodide | 1021 | 20.0 | ug/L | 1000 | ND | 102 | 39-157 | | | |
| Methyl Iodide | 1021 | 10.0 | ug/L | 1000 | ND | 102 | 62-167 | | | |
| Carbon Disulfide | 1071 | 10.0 | ug/L | 1000 | ND | 107 | 53-136 | | | |
| Carbon Disulfide | 1071 | 10.0 | ug/L | 1000 | ND | 107 | 71-163 | | | |
| Acetonitrile | 1292 | 100 | ug/L | 1000 | ND | 129 | 11-189 | | | |
| Methylene Chloride | 503.7 | 50.0 | ug/L | 501 | ND | 101 | 57-128 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1IC0807-MS1)** | **Source: 1IC0696-04** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 03:49 | | | | | | | | |
| Methylene Chloride | 503.7 | 50.0 | ug/L | 501 | ND | 101 | 69-140 | | | |
| Acrylonitrile | 592.1 | 50.0 | ug/L | 502 | ND | 118 | 38-147 | | | |
| Acrylonitrile | 592.1 | 50.0 | ug/L | 502 | ND | 118 | 38-147 | | | |
| trans-1,2-Dichloroethylene | 565.4 | 10.0 | ug/L | 501 | ND | 113 | 61-135 | | | |
| trans-1,2-Dichloroethylene | 565.4 | 10.0 | ug/L | 501 | ND | 113 | 69-144 | | | |
| 1,1-Dichloroethane | 569.7 | 10.0 | ug/L | 501 | ND | 114 | 60-131 | | | |
| 1,1-Dichloroethane | 569.7 | 10.0 | ug/L | 501 | ND | 114 | 70-138 | | | |
| Vinyl Acetate | 1710 | 50.0 | ug/L | 1400 | ND | 122 | 24-163 | | | |
| Vinyl Acetate | 1710 | 50.0 | ug/L | 1400 | ND | 122 | 58-142 | | | |
| 2,2-Dichloropropane | 445.4 | 10.0 | ug/L | 503 | ND | 88.5 | 37-112 | | | |
| cis-1,2-Dichloroethylene | 575.6 | 10.0 | ug/L | 504 | ND | 114 | 47-162 | | | |
| cis-1,2-Dichloroethylene | 575.6 | 10.0 | ug/L | 504 | ND | 114 | 68-151 | | | |
| 2-Butanone (MEK) | 1091 | 50.0 | ug/L | 1000 | ND | 109 | 45-156 | | | |
| 2-Butanone (MEK) | 1091 | 100 | ug/L | 1000 | ND | 109 | 50-160 | | | |
| Bromochloromethane | 575.2 | 10.0 | ug/L | 504 | ND | 114 | 55-132 | | | |
| Bromochloromethane | 575.2 | 10.0 | ug/L | 504 | ND | 114 | 65-143 | | | |
| Chloroform | 562.3 | 10.0 | ug/L | 501 | ND | 112 | 45-142 | | | |
| Chloroform | 562.3 | 10.0 | ug/L | 501 | ND | 112 | 71-143 | | | |
| 1,1,1-Trichloroethane | 568.3 | 10.0 | ug/L | 501 | ND | 113 | 52-128 | | | |
| 1,1,1-Trichloroethane | 568.3 | 10.0 | ug/L | 501 | ND | 113 | 63-133 | | | |
| 1,1-Dichloropropene | 587.6 | 10.0 | ug/L | 505 | ND | 116 | 49-138 | | | |
| Carbon Tetrachloride | 569.5 | 10.0 | ug/L | 501 | ND | 114 | 56-132 | | | |
| Carbon Tetrachloride | 569.5 | 10.0 | ug/L | 501 | ND | 114 | 63-142 | | | |
| Benzene | 504.3 | 10.0 | ug/L | 504 | ND | 100 | 77-124 | | | |
| Benzene | 504.3 | 10.0 | ug/L | 504 | ND | 100 | 69-133 | | | |
| 1,2-Dichloroethane | 530.4 | 10.0 | ug/L | 501 | ND | 106 | 67-130 | | | |
| 1,2-Dichloroethane | 530.4 | 10.0 | ug/L | 501 | ND | 106 | 63-138 | | | |
| Trichloroethylene | 517.5 | 10.0 | ug/L | 501 | ND | 103 | 75-123 | | | |
| Trichloroethylene | 517.5 | 10.0 | ug/L | 501 | ND | 103 | 71-133 | | | |
| 1,2-Dichloropropane | 514.7 | 10.0 | ug/L | 501 | ND | 103 | 75-126 | | | |
| 1,2-Dichloropropane | 514.7 | 10.0 | ug/L | 501 | ND | 103 | 69-132 | | | |
| Dibromomethane | 549.4 | 10.0 | ug/L | 504 | ND | 109 | 72-131 | | | |
| Dibromomethane | 549.4 | 10.0 | ug/L | 504 | ND | 109 | 70-147 | | | |
| Bromodichloromethane | 537.5 | 10.0 | ug/L | 501 | ND | 107 | 70-123 | | | |
| Bromodichloromethane | 537.5 | 10.0 | ug/L | 501 | ND | 107 | 67-130 | | | |
| cis-1,3-Dichloropropene | 502.0 | 10.0 | ug/L | 501 | ND | 100 | 68-119 | | | |
| cis-1,3-Dichloropropene | 502.0 | 10.0 | ug/L | 501 | ND | 100 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1126 | 50.0 | ug/L | 1000 | ND | 113 | 57-153 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1126 | 50.0 | ug/L | 1000 | ND | 113 | 55-147 | | | |
| Toluene | 542.8 | 10.0 | ug/L | 505 | ND | 108 | 63-131 | | | |
| Toluene | 542.8 | 10.0 | ug/L | 505 | ND | 108 | 71-133 | | | |
| trans-1,3-Dichloropropene | 477.5 | 10.0 | ug/L | 501 | ND | 95.4 | 65-121 | | | |
| trans-1,3-Dichloropropene | 477.5 | 10.0 | ug/L | 501 | ND | 95.4 | 63-124 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1IC0807-MS1)** | **Source: 1IC0696-04** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 03:49 | | | | | | | | |
| Ethyl Methacrylate | 1070 | 100 | ug/L | 1000 | ND | 107 | 62-137 | | | |
| 1,1,2-Trichloroethane | 533.4 | 10.0 | ug/L | 501 | ND | 106 | 76-124 | | | |
| 1,1,2-Trichloroethane | 533.4 | 10.0 | ug/L | 501 | ND | 106 | 69-133 | | | |
| Tetrachloroethylene | 498.5 | 10.0 | ug/L | 501 | ND | 99.5 | 77-117 | | | |
| Tetrachloroethylene | 498.5 | 10.0 | ug/L | 501 | ND | 99.5 | 70-124 | | | |
| 1,3-Dichloropropane | 546.4 | 10.0 | ug/L | 504 | ND | 108 | 81-132 | | | |
| 2-Hexanone (MBK) | 1154 | 50.0 | ug/L | 1000 | ND | 115 | 63-152 | | | |
| 2-Hexanone (MBK) | 1154 | 50.0 | ug/L | 1000 | ND | 115 | 53-141 | | | |
| Dibromochloromethane | 543.7 | 10.0 | ug/L | 501 | ND | 109 | 77-124 | | | |
| Dibromochloromethane | 543.7 | 10.0 | ug/L | 501 | ND | 109 | 74-122 | | | |
| 1,2-Dibromoethane | 543.0 | 10.0 | ug/L | 502 | ND | 108 | 82-117 | | | |
| 1,2-Dibromoethane | 543.0 | 10.0 | ug/L | 502 | ND | 108 | 66-127 | | | |
| Chlorobenzene | 491.2 | 10.0 | ug/L | 501 | ND | 98.1 | 82-114 | | | |
| Chlorobenzene | 491.2 | 10.0 | ug/L | 501 | ND | 98.1 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 503.0 | 10.0 | ug/L | 503 | ND | 99.9 | 82-118 | | | |
| 1,1,1,2-Tetrachloroethane | 503.0 | 10.0 | ug/L | 503 | ND | 99.9 | 77-121 | | | |
| Ethylbenzene | 530.2 | 10.0 | ug/L | 502 | ND | 106 | 80-119 | | | |
| Ethylbenzene | 530.2 | 10.0 | ug/L | 502 | ND | 106 | 73-124 | | | |
| Xylenes, total | 1615 | 20.0 | ug/L | 1510 | ND | 107 | 81-119 | | | |
| Xylenes, total | 1615 | 20.0 | ug/L | 1510 | ND | 107 | 75-123 | | | |
| Styrene | 550.2 | 10.0 | ug/L | 504 | ND | 109 | 81-119 | | | |
| Styrene | 550.2 | 10.0 | ug/L | 504 | ND | 109 | 70-120 | | | |
| Bromoform | 530.5 | 10.0 | ug/L | 501 | ND | 106 | 74-122 | | | |
| Bromoform | 530.5 | 10.0 | ug/L | 501 | ND | 106 | 70-124 | | | |
| 1,2,3-Trichloropropane | 527.4 | 10.0 | ug/L | 503 | ND | 105 | 72-138 | | | |
| 1,2,3-Trichloropropane | 527.4 | 10.0 | ug/L | 503 | ND | 105 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 1015 | 50.0 | ug/L | 1000 | ND | 101 | 56-116 | | | |
| trans-1,4-Dichloro-2-butene | 1015 | 50.0 | ug/L | 1000 | ND | 101 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 511.0 | 10.0 | ug/L | 501 | ND | 102 | 78-126 | | | |
| 1,1,2,2-Tetrachloroethane | 511.0 | 10.0 | ug/L | 501 | ND | 102 | 63-126 | | | |
| 1,3-Dichlorobenzene | 508.8 | 10.0 | ug/L | 501 | ND | 102 | 81-113 | | | |
| 1,4-Dichlorobenzene | 491.5 | 10.0 | ug/L | 501 | ND | 98.1 | 81-116 | | | |
| 1,4-Dichlorobenzene | 491.5 | 10.0 | ug/L | 501 | ND | 98.1 | 72-119 | | | |
| 1,2-Dichlorobenzene | 510.9 | 10.0 | ug/L | 501 | ND | 102 | 81-116 | | | |
| 1,2-Dichlorobenzene | 510.9 | 10.0 | ug/L | 501 | ND | 102 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 594.5 | 10.0 | ug/L | 501 | ND | 119 | 63-138 | | | |
| 1,2-Dibromo-3-chloropropane | 594.5 | 50.0 | ug/L | 501 | ND | 119 | 49-134 | | | |
| 1,2,4-Trichlorobenzene | 549.6 | 10.0 | ug/L | 504 | ND | 109 | 65-132 | | | |
| *Surrogate: Dibromofluoromethane* | *561* | | ug/L | *502* | | *112* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *561* | | ug/L | *502* | | *112* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *561* | | ug/L | *502* | | *112* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *545* | | ug/L | *501* | | *109* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *545* | | ug/L | *501* | | *109* | *53-140* | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1IC0807-MS1)** | **Source: 1IC0696-04** | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 03:49 | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *545* | | ug/L | *501* | | *109* | *61-142* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *545* | | ug/L | *501* | | *109* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *502* | | ug/L | *504* | | *99.7* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *502* | | ug/L | *504* | | *99.7* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *502* | | ug/L | *504* | | *99.7* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *502* | | ug/L | *504* | | *99.7* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *512* | | ug/L | *501* | | *102* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *512* | | ug/L | *501* | | *102* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *512* | | ug/L | *501* | | *102* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *512* | | ug/L | *501* | | *102* | *78-121* | | | |
| **Matrix Spike (1IC0807-MS2)** | **Source: 1IC0854-15** | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 06:03 | | | | | | | |
| Dichlorodifluoromethane | 303.4 | 10.0 | ug/L | 303 | | 100 | 37-140 | | | |
| Chloromethane | 308.2 | 10.0 | ug/L | 303 | | 102 | 47-147 | | | |
| Chloromethane | 308.2 | 10.0 | ug/L | 303 | ND | 102 | 61-152 | | | |
| Vinyl Chloride | 313.4 | 10.0 | ug/L | 302 | | 104 | 55-142 | | | |
| Vinyl Chloride | 313.4 | 10.0 | ug/L | 302 | ND | 104 | 66-149 | | | |
| Bromomethane | 292.8 | 10.0 | ug/L | 301 | | 97.2 | 34-160 | | | |
| Bromomethane | 292.8 | 10.0 | ug/L | 301 | ND | 97.2 | 43-171 | | | |
| Chloroethane | 304.3 | 10.0 | ug/L | 303 | | 100 | 54-154 | | | |
| Chloroethane | 304.3 | 10.0 | ug/L | 303 | ND | 100 | 69-148 | | | |
| Trichlorofluoromethane | 324.5 | 10.0 | ug/L | 303 | | 107 | 49-131 | | | |
| Trichlorofluoromethane | 324.5 | 10.0 | ug/L | 303 | ND | 107 | 62-163 | | | |
| Acrolein | 604.4 | 100 | ug/L | 504 | | 120 | 22-138 | | | |
| 1,1-Dichloroethylene | 563.7 | 10.0 | ug/L | 501 | | 112 | 57-143 | | | |
| 1,1-Dichloroethylene | 563.7 | 10.0 | ug/L | 501 | ND | 112 | 70-148 | | | |
| Acetone | 1331 | 100 | ug/L | 1000 | | 133 | 27-173 | | | |
| Acetone | 1331 | 100 | ug/L | 1000 | ND | 133 | 45-173 | | | |
| Methyl Iodide | 977.5 | 20.0 | ug/L | 1000 | | 97.8 | 39-157 | | | |
| Methyl Iodide | 977.5 | 10.0 | ug/L | 1000 | ND | 97.8 | 62-167 | | | |
| Carbon Disulfide | 1019 | 10.0 | ug/L | 1000 | | 102 | 53-136 | | | |
| Carbon Disulfide | 1019 | 10.0 | ug/L | 1000 | ND | 102 | 71-163 | | | |
| Acetonitrile | 1204 | 100 | ug/L | 1000 | | 120 | 11-189 | | | |
| Methylene Chloride | 480.2 | 50.0 | ug/L | 501 | | 95.8 | 57-128 | | | |
| Methylene Chloride | 480.2 | 50.0 | ug/L | 501 | ND | 95.8 | 69-140 | | | |
| Acrylonitrile | 580.7 | 50.0 | ug/L | 502 | ND | 116 | 38-147 | | | |
| Acrylonitrile | 580.7 | 50.0 | ug/L | 502 | | 116 | 38-147 | | | |
| trans-1,2-Dichloroethylene | 560.3 | 10.0 | ug/L | 501 | | 112 | 61-135 | | | |
| trans-1,2-Dichloroethylene | 560.3 | 10.0 | ug/L | 501 | ND | 112 | 69-144 | | | |
| 1,1-Dichloroethane | 561.0 | 10.0 | ug/L | 501 | | 112 | 60-131 | | | |
| 1,1-Dichloroethane | 561.0 | 10.0 | ug/L | 501 | ND | 112 | 70-138 | | | |
| Vinyl Acetate | 1732 | 50.0 | ug/L | 1400 | | 124 | 24-163 | | | |
| Vinyl Acetate | 1732 | 50.0 | ug/L | 1400 | ND | 124 | 58-142 | | | |
| 2,2-Dichloropropane | 415.1 | 10.0 | ug/L | 503 | | 82.5 | 37-112 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1IC0807-MS2)** | **Source: 1IC0854-15** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 06:03 | | | | | | | | |
| cis-1,2-Dichloroethylene | 563.5 | 10.0 | ug/L | 504 | | 112 | 47-162 | | | |
| cis-1,2-Dichloroethylene | 563.5 | 10.0 | ug/L | 504 | ND | 112 | 68-151 | | | |
| 2-Butanone (MEK) | 1128 | 50.0 | ug/L | 1000 | | 113 | 45-156 | | | |
| 2-Butanone (MEK) | 1128 | 100 | ug/L | 1000 | ND | 113 | 50-160 | | | |
| Bromochloromethane | 565.7 | 10.0 | ug/L | 504 | | 112 | 55-132 | | | |
| Bromochloromethane | 565.7 | 10.0 | ug/L | 504 | ND | 112 | 65-143 | | | |
| Chloroform | 553.5 | 10.0 | ug/L | 501 | | 111 | 45-142 | | | |
| Chloroform | 553.5 | 10.0 | ug/L | 501 | ND | 111 | 71-143 | | | |
| 1,1,1-Trichloroethane | 560.7 | 10.0 | ug/L | 501 | | 112 | 52-128 | | | |
| 1,1,1-Trichloroethane | 560.7 | 10.0 | ug/L | 501 | ND | 112 | 63-133 | | | |
| 1,1-Dichloropropene | 564.7 | 10.0 | ug/L | 505 | | 112 | 49-138 | | | |
| Carbon Tetrachloride | 553.3 | 10.0 | ug/L | 501 | | 110 | 56-132 | | | |
| Carbon Tetrachloride | 553.3 | 10.0 | ug/L | 501 | ND | 110 | 63-142 | | | |
| Benzene | 484.7 | 10.0 | ug/L | 504 | | 96.1 | 77-124 | | | |
| Benzene | 484.7 | 10.0 | ug/L | 504 | ND | 96.1 | 69-133 | | | |
| 1,2-Dichloroethane | 527.5 | 10.0 | ug/L | 501 | | 105 | 67-130 | | | |
| 1,2-Dichloroethane | 527.5 | 10.0 | ug/L | 501 | ND | 105 | 63-138 | | | |
| Trichloroethylene | 505.1 | 10.0 | ug/L | 501 | | 101 | 75-123 | | | |
| Trichloroethylene | 505.1 | 10.0 | ug/L | 501 | ND | 101 | 71-133 | | | |
| 1,2-Dichloropropane | 506.4 | 10.0 | ug/L | 501 | | 101 | 75-126 | | | |
| 1,2-Dichloropropane | 506.4 | 10.0 | ug/L | 501 | ND | 101 | 69-132 | | | |
| Dibromomethane | 525.4 | 10.0 | ug/L | 504 | | 104 | 72-131 | | | |
| Dibromomethane | 525.4 | 10.0 | ug/L | 504 | ND | 104 | 70-147 | | | |
| Bromodichloromethane | 529.9 | 10.0 | ug/L | 501 | | 106 | 70-123 | | | |
| Bromodichloromethane | 529.9 | 10.0 | ug/L | 501 | ND | 106 | 67-130 | | | |
| cis-1,3-Dichloropropene | 503.5 | 10.0 | ug/L | 501 | | 101 | 68-119 | | | |
| cis-1,3-Dichloropropene | 503.5 | 10.0 | ug/L | 501 | ND | 101 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1105 | 50.0 | ug/L | 1000 | | 111 | 57-153 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1105 | 50.0 | ug/L | 1000 | ND | 111 | 55-147 | | | |
| Toluene | 513.9 | 10.0 | ug/L | 505 | | 102 | 63-131 | | | |
| Toluene | 513.9 | 10.0 | ug/L | 505 | ND | 102 | 71-133 | | | |
| trans-1,3-Dichloropropene | 479.2 | 10.0 | ug/L | 501 | | 95.7 | 65-121 | | | |
| trans-1,3-Dichloropropene | 479.2 | 10.0 | ug/L | 501 | ND | 95.7 | 63-124 | | | |
| Ethyl Methacrylate | 1030 | 100 | ug/L | 1000 | | 103 | 62-137 | | | |
| 1,1,2-Trichloroethane | 505.3 | 10.0 | ug/L | 501 | | 101 | 76-124 | | | |
| 1,1,2-Trichloroethane | 505.3 | 10.0 | ug/L | 501 | ND | 101 | 69-133 | | | |
| Tetrachloroethylene | 486.6 | 10.0 | ug/L | 501 | | 97.1 | 77-117 | | | |
| Tetrachloroethylene | 486.6 | 10.0 | ug/L | 501 | ND | 97.1 | 70-124 | | | |
| 1,3-Dichloropropane | 546.4 | 10.0 | ug/L | 504 | | 108 | 81-132 | | | |
| 2-Hexanone (MBK) | 1154 | 50.0 | ug/L | 1000 | | 115 | 63-152 | | | |
| 2-Hexanone (MBK) | 1154 | 50.0 | ug/L | 1000 | ND | 115 | 53-141 | | | |
| Dibromochloromethane | 544.9 | 10.0 | ug/L | 501 | | 109 | 77-124 | | | |
| Dibromochloromethane | 544.9 | 10.0 | ug/L | 501 | ND | 109 | 74-122 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1IC0807-MS2)** | **Source: 1IC0854-15** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 06:03 | | | | | | | | |
| 1,2-Dibromoethane | 535.3 | 10.0 | ug/L | 502 | | 107 | 82-117 | | | |
| 1,2-Dibromoethane | 535.3 | 10.0 | ug/L | 502 | ND | 107 | 66-127 | | | |
| Chlorobenzene | 483.8 | 10.0 | ug/L | 501 | | 96.6 | 82-114 | | | |
| Chlorobenzene | 483.8 | 10.0 | ug/L | 501 | ND | 96.6 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 493.2 | 10.0 | ug/L | 503 | | 98.0 | 82-118 | | | |
| 1,1,1,2-Tetrachloroethane | 493.2 | 10.0 | ug/L | 503 | ND | 98.0 | 77-121 | | | |
| Ethylbenzene | 516.5 | 10.0 | ug/L | 502 | | 103 | 80-119 | | | |
| Ethylbenzene | 516.5 | 10.0 | ug/L | 502 | ND | 103 | 73-124 | | | |
| Xylenes, total | 1550 | 20.0 | ug/L | 1510 | | 103 | 81-119 | | | |
| Xylenes, total | 1550 | 20.0 | ug/L | 1510 | ND | 103 | 75-123 | | | |
| Styrene | 543.6 | 10.0 | ug/L | 504 | | 108 | 81-119 | | | |
| Styrene | 543.6 | 10.0 | ug/L | 504 | ND | 108 | 70-120 | | | |
| Bromoform | 537.0 | 10.0 | ug/L | 501 | | 107 | 74-122 | | | |
| Bromoform | 537.0 | 10.0 | ug/L | 501 | ND | 107 | 70-124 | | | |
| 1,2,3-Trichloropropane | 485.3 | 10.0 | ug/L | 503 | | 96.4 | 72-138 | | | |
| 1,2,3-Trichloropropane | 485.3 | 10.0 | ug/L | 503 | ND | 96.4 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 944.2 | 50.0 | ug/L | 1000 | | 94.4 | 56-116 | | | |
| trans-1,4-Dichloro-2-butene | 944.2 | 50.0 | ug/L | 1000 | ND | 94.4 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 486.8 | 10.0 | ug/L | 501 | | 97.2 | 78-126 | | | |
| 1,1,2,2-Tetrachloroethane | 486.8 | 10.0 | ug/L | 501 | ND | 97.2 | 63-126 | | | |
| 1,3-Dichlorobenzene | 491.3 | 10.0 | ug/L | 501 | | 98.1 | 81-113 | | | |
| 1,4-Dichlorobenzene | 459.4 | 10.0 | ug/L | 501 | | 91.7 | 81-116 | | | |
| 1,4-Dichlorobenzene | 459.4 | 10.0 | ug/L | 501 | ND | 91.7 | 72-119 | | | |
| 1,2-Dichlorobenzene | 490.7 | 10.0 | ug/L | 501 | | 98.0 | 81-116 | | | |
| 1,2-Dichlorobenzene | 490.7 | 10.0 | ug/L | 501 | ND | 98.0 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 553.9 | 10.0 | ug/L | 501 | | 110 | 63-138 | | | |
| 1,2-Dibromo-3-chloropropane | 553.9 | 50.0 | ug/L | 501 | ND | 110 | 49-134 | | | |
| 1,2,4-Trichlorobenzene | 567.8 | 10.0 | ug/L | 504 | | 113 | 65-132 | | | |
| *Surrogate: Dibromofluoromethane* | *566* | | ug/L | *502* | | *113* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *566* | | ug/L | *502* | | *113* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *566* | | ug/L | *502* | | *113* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *558* | | ug/L | *501* | | *111* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *558* | | ug/L | *501* | | *111* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *558* | | ug/L | *501* | | *111* | *61-142* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *558* | | ug/L | *501* | | *111* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *490* | | ug/L | *504* | | *97.3* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *490* | | ug/L | *504* | | *97.3* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *490* | | ug/L | *504* | | *97.3* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *490* | | ug/L | *504* | | *97.3* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *518* | | ug/L | *501* | | *103* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *518* | | ug/L | *501* | | *103* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *518* | | ug/L | *501* | | *103* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *518* | | ug/L | *501* | | *103* | *78-121* | | | |
| **Matrix Spike Dup (1IC0807-MSD1)** | **Source: 1IC0696-04** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 04:12 | | | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1IC0807-MSD1)** | **Source: 1IC0696-04** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 04:12 | | | | | | | | |
| Dichlorodifluoromethane | 296.6 | 10.0 | ug/L | 303 | ND | 97.9 | 37-140 | 19.6 | 18 | R1 |
| Chloromethane | 300.6 | 10.0 | ug/L | 303 | ND | 99.1 | 47-147 | 9.29 | 18 | |
| Chloromethane | 300.6 | 10.0 | ug/L | 303 | ND | 99.1 | 61-152 | 9.29 | 26 | |
| Vinyl Chloride | 301.0 | 10.0 | ug/L | 302 | ND | 99.5 | 55-142 | 12.9 | 20 | |
| Vinyl Chloride | 301.0 | 10.0 | ug/L | 302 | ND | 99.5 | 66-149 | 12.9 | 23 | |
| Bromomethane | 287.6 | 10.0 | ug/L | 301 | ND | 95.5 | 34-160 | 7.98 | 22 | |
| Bromomethane | 287.6 | 10.0 | ug/L | 301 | ND | 95.5 | 43-171 | 7.98 | 29 | |
| Chloroethane | 298.5 | 10.0 | ug/L | 303 | ND | 98.5 | 54-154 | 10.4 | 20 | |
| Chloroethane | 298.5 | 10.0 | ug/L | 303 | ND | 98.5 | 69-148 | 10.4 | 25 | |
| Trichlorofluoromethane | 309.9 | 10.0 | ug/L | 303 | ND | 102 | 49-131 | 12.3 | 14 | |
| Trichlorofluoromethane | 309.9 | 10.0 | ug/L | 303 | ND | 102 | 62-163 | 12.3 | 25 | |
| Acrolein | 578.9 | 100 | ug/L | 504 | ND | 115 | 22-138 | 4.13 | 30 | |
| 1,1-Dichloroethylene | 528.3 | 10.0 | ug/L | 501 | ND | 105 | 57-143 | 9.96 | 15 | |
| 1,1-Dichloroethylene | 528.3 | 10.0 | ug/L | 501 | ND | 105 | 70-148 | 9.96 | 22 | |
| Acetone | 1332 | 100 | ug/L | 1000 | ND | 133 | 27-173 | 44.1 | 30 | R1 |
| Acetone | 1332 | 100 | ug/L | 1000 | ND | 133 | 45-173 | 44.1 | 30 | R1 |
| Methyl Iodide | 931.5 | 20.0 | ug/L | 1000 | ND | 93.2 | 39-157 | 9.19 | 12 | |
| Methyl Iodide | 931.5 | 10.0 | ug/L | 1000 | ND | 93.2 | 62-167 | 9.19 | 24 | |
| Carbon Disulfide | 972.3 | 10.0 | ug/L | 1000 | ND | 97.2 | 53-136 | 9.65 | 20 | |
| Carbon Disulfide | 972.3 | 10.0 | ug/L | 1000 | ND | 97.2 | 71-163 | 9.65 | 22 | |
| Acetonitrile | 1239 | 100 | ug/L | 1000 | ND | 124 | 11-189 | 4.21 | 24 | |
| Methylene Chloride | 475.7 | 50.0 | ug/L | 501 | ND | 94.9 | 57-128 | 5.72 | 14 | |
| Methylene Chloride | 475.7 | 50.0 | ug/L | 501 | ND | 94.9 | 69-140 | 5.72 | 19 | |
| Acrylonitrile | 593.1 | 50.0 | ug/L | 502 | ND | 118 | 38-147 | 0.169 | 30 | |
| Acrylonitrile | 593.1 | 50.0 | ug/L | 502 | ND | 118 | 38-147 | 0.169 | 30 | |
| trans-1,2-Dichloroethylene | 530.2 | 10.0 | ug/L | 501 | ND | 106 | 61-135 | 6.43 | 12 | |
| trans-1,2-Dichloroethylene | 530.2 | 10.0 | ug/L | 501 | ND | 106 | 69-144 | 6.43 | 22 | |
| 1,1-Dichloroethane | 536.5 | 10.0 | ug/L | 501 | ND | 107 | 60-131 | 6.00 | 15 | |
| 1,1-Dichloroethane | 536.5 | 10.0 | ug/L | 501 | ND | 107 | 70-138 | 6.00 | 20 | |
| Vinyl Acetate | 1680 | 50.0 | ug/L | 1400 | ND | 120 | 24-163 | 1.83 | 16 | |
| Vinyl Acetate | 1680 | 50.0 | ug/L | 1400 | ND | 120 | 58-142 | 1.83 | 24 | |
| 2,2-Dichloropropane | 409.6 | 10.0 | ug/L | 503 | ND | 81.4 | 37-112 | 8.37 | 13 | |
| cis-1,2-Dichloroethylene | 540.0 | 10.0 | ug/L | 504 | ND | 107 | 47-162 | 6.38 | 22 | |
| cis-1,2-Dichloroethylene | 540.0 | 10.0 | ug/L | 504 | ND | 107 | 68-151 | 6.38 | 22 | |
| 2-Butanone (MEK) | 1050 | 50.0 | ug/L | 1000 | ND | 105 | 45-156 | 3.88 | 20 | |
| 2-Butanone (MEK) | 1050 | 100 | ug/L | 1000 | ND | 105 | 50-160 | 3.88 | 23 | |
| Bromochloromethane | 552.7 | 10.0 | ug/L | 504 | ND | 110 | 55-132 | 3.99 | 15 | |
| Bromochloromethane | 552.7 | 10.0 | ug/L | 504 | ND | 110 | 65-143 | 3.99 | 22 | |
| Chloroform | 527.0 | 10.0 | ug/L | 501 | ND | 105 | 45-142 | 6.48 | 12 | |
| Chloroform | 527.0 | 10.0 | ug/L | 501 | ND | 105 | 71-143 | 6.48 | 21 | |
| 1,1,1-Trichloroethane | 525.2 | 10.0 | ug/L | 501 | ND | 105 | 52-128 | 7.88 | 14 | |
| 1,1,1-Trichloroethane | 525.2 | 10.0 | ug/L | 501 | ND | 105 | 63-133 | 7.88 | 23 | |
| 1,1-Dichloropropene | 531.1 | 10.0 | ug/L | 505 | ND | 105 | 49-138 | 10.1 | 12 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1IC0807-MSD1)** | **Source: 1IC0696-04** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 04:12 | | | | | | | | |
| Carbon Tetrachloride | 520.7 | 10.0 | ug/L | 501 | ND | 104 | 56-132 | 8.95 | 12 | |
| Carbon Tetrachloride | 520.7 | 10.0 | ug/L | 501 | ND | 104 | 63-142 | 8.95 | 22 | |
| Benzene | 471.2 | 10.0 | ug/L | 504 | ND | 93.4 | 77-124 | 6.79 | 12 | |
| Benzene | 471.2 | 10.0 | ug/L | 504 | ND | 93.4 | 69-133 | 6.79 | 18 | |
| 1,2-Dichloroethane | 517.3 | 10.0 | ug/L | 501 | ND | 103 | 67-130 | 2.50 | 13 | |
| 1,2-Dichloroethane | 517.3 | 10.0 | ug/L | 501 | ND | 103 | 63-138 | 2.50 | 20 | |
| Trichloroethylene | 477.4 | 10.0 | ug/L | 501 | ND | 95.3 | 75-123 | 8.06 | 11 | |
| Trichloroethylene | 477.4 | 10.0 | ug/L | 501 | ND | 95.3 | 71-133 | 8.06 | 23 | |
| 1,2-Dichloropropane | 502.4 | 10.0 | ug/L | 501 | ND | 100 | 75-126 | 2.42 | 11 | |
| 1,2-Dichloropropane | 502.4 | 10.0 | ug/L | 501 | ND | 100 | 69-132 | 2.42 | 20 | |
| Dibromomethane | 525.8 | 10.0 | ug/L | 504 | ND | 104 | 72-131 | 4.39 | 12 | |
| Dibromomethane | 525.8 | 10.0 | ug/L | 504 | ND | 104 | 70-147 | 4.39 | 22 | |
| Bromodichloromethane | 515.4 | 10.0 | ug/L | 501 | ND | 103 | 70-123 | 4.20 | 10 | |
| Bromodichloromethane | 515.4 | 10.0 | ug/L | 501 | ND | 103 | 67-130 | 4.20 | 21 | |
| cis-1,3-Dichloropropene | 492.3 | 10.0 | ug/L | 501 | ND | 98.3 | 68-119 | 1.95 | 10 | |
| cis-1,3-Dichloropropene | 492.3 | 10.0 | ug/L | 501 | ND | 98.3 | 61-126 | 1.95 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 1102 | 50.0 | ug/L | 1000 | ND | 110 | 57-153 | 2.13 | 11 | |
| 4-Methyl-2-pentanone (MIBK) | 1102 | 50.0 | ug/L | 1000 | ND | 110 | 55-147 | 2.13 | 23 | |
| Toluene | 502.2 | 10.0 | ug/L | 505 | ND | 99.5 | 63-131 | 7.77 | 15 | |
| Toluene | 502.2 | 10.0 | ug/L | 505 | ND | 99.5 | 71-133 | 7.77 | 19 | |
| trans-1,3-Dichloropropene | 472.1 | 10.0 | ug/L | 501 | ND | 94.3 | 65-121 | 1.14 | 14 | |
| trans-1,3-Dichloropropene | 472.1 | 10.0 | ug/L | 501 | ND | 94.3 | 63-124 | 1.14 | 21 | |
| Ethyl Methacrylate | 1028 | 100 | ug/L | 1000 | ND | 103 | 62-137 | 4.07 | 10 | |
| 1,1,2-Trichloroethane | 500.0 | 10.0 | ug/L | 501 | ND | 99.8 | 76-124 | 6.46 | 12 | |
| 1,1,2-Trichloroethane | 500.0 | 10.0 | ug/L | 501 | ND | 99.8 | 69-133 | 6.46 | 19 | |
| Tetrachloroethylene | 454.7 | 10.0 | ug/L | 501 | ND | 90.8 | 77-117 | 9.19 | 12 | |
| Tetrachloroethylene | 454.7 | 10.0 | ug/L | 501 | ND | 90.8 | 70-124 | 9.19 | 24 | |
| 1,3-Dichloropropane | 521.9 | 10.0 | ug/L | 504 | ND | 103 | 81-132 | 4.59 | 12 | |
| 2-Hexanone (MBK) | 1127 | 50.0 | ug/L | 1000 | ND | 113 | 63-152 | 2.33 | 19 | |
| 2-Hexanone (MBK) | 1127 | 50.0 | ug/L | 1000 | ND | 113 | 53-141 | 2.33 | 24 | |
| Dibromochloromethane | 535.5 | 10.0 | ug/L | 501 | ND | 107 | 77-124 | 1.52 | 17 | |
| Dibromochloromethane | 535.5 | 10.0 | ug/L | 501 | ND | 107 | 74-122 | 1.52 | 21 | |
| 1,2-Dibromoethane | 539.7 | 10.0 | ug/L | 502 | ND | 107 | 82-117 | 0.610 | 14 | |
| 1,2-Dibromoethane | 539.7 | 10.0 | ug/L | 502 | ND | 107 | 66-127 | 0.610 | 23 | |
| Chlorobenzene | 462.4 | 10.0 | ug/L | 501 | ND | 92.3 | 82-114 | 6.04 | 11 | |
| Chlorobenzene | 462.4 | 10.0 | ug/L | 501 | ND | 92.3 | 76-116 | 6.04 | 21 | |
| 1,1,1,2-Tetrachloroethane | 481.3 | 10.0 | ug/L | 503 | ND | 95.6 | 82-118 | 4.41 | 15 | |
| 1,1,1,2-Tetrachloroethane | 481.3 | 10.0 | ug/L | 503 | ND | 95.6 | 77-121 | 4.41 | 25 | |
| Ethylbenzene | 489.2 | 10.0 | ug/L | 502 | ND | 97.5 | 80-119 | 8.04 | 11 | |
| Ethylbenzene | 489.2 | 10.0 | ug/L | 502 | ND | 97.5 | 73-124 | 8.04 | 20 | |
| Xylenes, total | 1490 | 20.0 | ug/L | 1510 | ND | 98.6 | 81-119 | 8.06 | 11 | |
| Xylenes, total | 1490 | 20.0 | ug/L | 1510 | ND | 98.6 | 75-123 | 8.06 | 20 | |
| Styrene | 522.0 | 10.0 | ug/L | 504 | ND | 104 | 81-119 | 5.26 | 12 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1IC0807-MSD1)** | **Source: 1IC0696-04** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 04:12 | | | | | | | | |
| Styrene | 522.0 | 10.0 | ug/L | 504 | ND | 104 | 70-120 | 5.26 | 23 | |
| Bromoform | 524.0 | 10.0 | ug/L | 501 | ND | 105 | 74-122 | 1.23 | 12 | |
| Bromoform | 524.0 | 10.0 | ug/L | 501 | ND | 105 | 70-124 | 1.23 | 22 | |
| 1,2,3-Trichloropropane | 466.8 | 10.0 | ug/L | 503 | ND | 92.7 | 72-138 | 12.2 | 14 | |
| 1,2,3-Trichloropropane | 466.8 | 10.0 | ug/L | 503 | ND | 92.7 | 62-135 | 12.2 | 28 | |
| trans-1,4-Dichloro-2-butene | 963.4 | 50.0 | ug/L | 1000 | ND | 96.3 | 56-116 | 5.18 | 10 | |
| trans-1,4-Dichloro-2-butene | 963.4 | 50.0 | ug/L | 1000 | ND | 96.3 | 50-120 | 5.18 | 26 | |
| 1,1,2,2-Tetrachloroethane | 500.4 | 10.0 | ug/L | 501 | ND | 99.9 | 78-126 | 2.10 | 13 | |
| 1,1,2,2-Tetrachloroethane | 500.4 | 10.0 | ug/L | 501 | ND | 99.9 | 63-126 | 2.10 | 24 | |
| 1,3-Dichlorobenzene | 485.2 | 10.0 | ug/L | 501 | ND | 96.9 | 81-113 | 4.75 | 14 | |
| 1,4-Dichlorobenzene | 463.7 | 10.0 | ug/L | 501 | ND | 92.5 | 81-116 | 5.82 | 14 | |
| 1,4-Dichlorobenzene | 463.7 | 10.0 | ug/L | 501 | ND | 92.5 | 72-119 | 5.82 | 24 | |
| 1,2-Dichlorobenzene | 490.6 | 10.0 | ug/L | 501 | ND | 97.9 | 81-116 | 4.05 | 13 | |
| 1,2-Dichlorobenzene | 490.6 | 10.0 | ug/L | 501 | ND | 97.9 | 71-117 | 4.05 | 24 | |
| 1,2-Dibromo-3-chloropropane | 600.0 | 10.0 | ug/L | 501 | ND | 120 | 63-138 | 0.921 | 17 | |
| 1,2-Dibromo-3-chloropropane | 600.0 | 50.0 | ug/L | 501 | ND | 120 | 49-134 | 0.921 | 28 | |
| 1,2,4-Trichlorobenzene | 577.1 | 10.0 | ug/L | 504 | ND | 115 | 65-132 | 4.88 | 15 | |
| *Surrogate: Dibromofluoromethane* | *545* | | ug/L | *502* | | *109* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *545* | | ug/L | *502* | | *109* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *545* | | ug/L | *502* | | *109* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *573* | | ug/L | *501* | | *114* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *573* | | ug/L | *501* | | *114* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *573* | | ug/L | *501* | | *114* | *61-142* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *573* | | ug/L | *501* | | *114* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *496* | | ug/L | *504* | | *98.5* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *496* | | ug/L | *504* | | *98.5* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *496* | | ug/L | *504* | | *98.5* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *496* | | ug/L | *504* | | *98.5* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *508* | | ug/L | *501* | | *101* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *508* | | ug/L | *501* | | *101* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *508* | | ug/L | *501* | | *101* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *508* | | ug/L | *501* | | *101* | *78-121* | | | |
| **Matrix Spike Dup (1IC0807-MSD2)** | **Source: 1IC0854-15** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 06:26 | | | | | | | | |
| Dichlorodifluoromethane | 291.1 | 10.0 | ug/L | 303 | | 96.1 | 37-140 | 4.14 | 18 | |
| Chloromethane | 289.8 | 10.0 | ug/L | 303 | | 95.6 | 47-147 | 6.15 | 18 | |
| Chloromethane | 289.8 | 10.0 | ug/L | 303 | ND | 95.6 | 61-152 | 6.15 | 26 | |
| Vinyl Chloride | 288.9 | 10.0 | ug/L | 302 | | 95.5 | 55-142 | 8.14 | 20 | |
| Vinyl Chloride | 288.9 | 10.0 | ug/L | 302 | ND | 95.5 | 66-149 | 8.14 | 23 | |
| Bromomethane | 276.2 | 10.0 | ug/L | 301 | | 91.7 | 34-160 | 5.83 | 22 | |
| Bromomethane | 276.2 | 10.0 | ug/L | 301 | ND | 91.7 | 43-171 | 5.83 | 29 | |
| Chloroethane | 288.5 | 10.0 | ug/L | 303 | | 95.2 | 54-154 | 5.33 | 20 | |
| Chloroethane | 288.5 | 10.0 | ug/L | 303 | ND | 95.2 | 69-148 | 5.33 | 25 | |
| Trichlorofluoromethane | 286.9 | 10.0 | ug/L | 303 | | 94.7 | 49-131 | 12.3 | 14 | |
| Trichlorofluoromethane | 286.9 | 10.0 | ug/L | 303 | ND | 94.7 | 62-163 | 12.3 | 25 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1IC0807-MSD2)** | **Source: 1IC0854-15** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 06:26 | | | | | | | | |
| Acrolein | 504.5 | 100 | ug/L | 504 | | 100 | 22-138 | 18.0 | 30 | |
| 1,1-Dichloroethylene | 497.8 | 10.0 | ug/L | 501 | | 99.3 | 57-143 | 12.4 | 15 | |
| 1,1-Dichloroethylene | 497.8 | 10.0 | ug/L | 501 | ND | 99.3 | 70-148 | 12.4 | 22 | |
| Acetone | 1176 | 100 | ug/L | 1000 | | 118 | 27-173 | 12.3 | 30 | |
| Acetone | 1176 | 100 | ug/L | 1000 | ND | 118 | 45-173 | 12.3 | 30 | |
| Methyl Iodide | 913.8 | 20.0 | ug/L | 1000 | | 91.4 | 39-157 | 6.74 | 12 | |
| Methyl Iodide | 913.8 | 10.0 | ug/L | 1000 | ND | 91.4 | 62-167 | 6.74 | 24 | |
| Carbon Disulfide | 929.9 | 10.0 | ug/L | 1000 | | 93.0 | 53-136 | 9.10 | 20 | |
| Carbon Disulfide | 929.9 | 10.0 | ug/L | 1000 | ND | 93.0 | 71-163 | 9.10 | 22 | |
| Acetonitrile | 1170 | 100 | ug/L | 1000 | | 117 | 11-189 | 2.86 | 24 | |
| Methylene Chloride | 448.3 | 50.0 | ug/L | 501 | | 89.5 | 57-128 | 6.87 | 14 | |
| Methylene Chloride | 448.3 | 50.0 | ug/L | 501 | ND | 89.5 | 69-140 | 6.87 | 19 | |
| Acrylonitrile | 541.9 | 50.0 | ug/L | 502 | ND | 108 | 38-147 | 6.91 | 30 | |
| Acrylonitrile | 541.9 | 50.0 | ug/L | 502 | | 108 | 38-147 | 6.91 | 30 | |
| trans-1,2-Dichloroethylene | 491.6 | 10.0 | ug/L | 501 | | 98.1 | 61-135 | 13.1 | 12 | R1 |
| trans-1,2-Dichloroethylene | 491.6 | 10.0 | ug/L | 501 | ND | 98.1 | 69-144 | 13.1 | 22 | |
| 1,1-Dichloroethane | 488.8 | 10.0 | ug/L | 501 | | 97.6 | 60-131 | 13.8 | 15 | |
| 1,1-Dichloroethane | 488.8 | 10.0 | ug/L | 501 | ND | 97.6 | 70-138 | 13.8 | 20 | |
| Vinyl Acetate | 1556 | 50.0 | ug/L | 1400 | | 111 | 24-163 | 10.7 | 16 | |
| Vinyl Acetate | 1556 | 50.0 | ug/L | 1400 | ND | 111 | 58-142 | 10.7 | 24 | |
| 2,2-Dichloropropane | 371.9 | 10.0 | ug/L | 503 | | 73.9 | 37-112 | 11.0 | 13 | |
| cis-1,2-Dichloroethylene | 496.4 | 10.0 | ug/L | 504 | | 98.6 | 47-162 | 12.7 | 22 | |
| cis-1,2-Dichloroethylene | 496.4 | 10.0 | ug/L | 504 | ND | 98.6 | 68-151 | 12.7 | 22 | |
| 2-Butanone (MEK) | 1031 | 50.0 | ug/L | 1000 | | 103 | 45-156 | 8.98 | 20 | |
| 2-Butanone (MEK) | 1031 | 100 | ug/L | 1000 | ND | 103 | 50-160 | 8.98 | 23 | |
| Bromochloromethane | 506.1 | 10.0 | ug/L | 504 | | 100 | 55-132 | 11.1 | 15 | |
| Bromochloromethane | 506.1 | 10.0 | ug/L | 504 | ND | 100 | 65-143 | 11.1 | 22 | |
| Chloroform | 488.0 | 10.0 | ug/L | 501 | | 97.4 | 45-142 | 12.6 | 12 | R1 |
| Chloroform | 488.0 | 10.0 | ug/L | 501 | ND | 97.4 | 71-143 | 12.6 | 21 | |
| 1,1,1-Trichloroethane | 501.4 | 10.0 | ug/L | 501 | | 100 | 52-128 | 11.2 | 14 | |
| 1,1,1-Trichloroethane | 501.4 | 10.0 | ug/L | 501 | ND | 100 | 63-133 | 11.2 | 23 | |
| 1,1-Dichloropropene | 508.5 | 10.0 | ug/L | 505 | | 101 | 49-138 | 10.5 | 12 | |
| Carbon Tetrachloride | 496.6 | 10.0 | ug/L | 501 | | 99.1 | 56-132 | 10.8 | 12 | |
| Carbon Tetrachloride | 496.6 | 10.0 | ug/L | 501 | ND | 99.1 | 63-142 | 10.8 | 22 | |
| Benzene | 448.0 | 10.0 | ug/L | 504 | | 88.8 | 77-124 | 7.87 | 12 | |
| Benzene | 448.0 | 10.0 | ug/L | 504 | ND | 88.8 | 69-133 | 7.87 | 18 | |
| 1,2-Dichloroethane | 482.7 | 10.0 | ug/L | 501 | | 96.4 | 67-130 | 8.87 | 13 | |
| 1,2-Dichloroethane | 482.7 | 10.0 | ug/L | 501 | ND | 96.4 | 63-138 | 8.87 | 20 | |
| Trichloroethylene | 463.1 | 10.0 | ug/L | 501 | | 92.4 | 75-123 | 8.68 | 11 | |
| Trichloroethylene | 463.1 | 10.0 | ug/L | 501 | ND | 92.4 | 71-133 | 8.68 | 23 | |
| 1,2-Dichloropropane | 470.2 | 10.0 | ug/L | 501 | | 93.9 | 75-126 | 7.41 | 11 | |
| 1,2-Dichloropropane | 470.2 | 10.0 | ug/L | 501 | ND | 93.9 | 69-132 | 7.41 | 20 | |
| Dibromomethane | 489.1 | 10.0 | ug/L | 504 | | 97.1 | 72-131 | 7.16 | 12 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1IC0807-MSD2)** | **Source: 1IC0854-15** | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 06:26 | | | | | | | | |
| Dibromomethane | 489.1 | 10.0 | ug/L | 504 | ND | 97.1 | 70-147 | 7.16 | 22 | |
| Bromodichloromethane | 483.2 | 10.0 | ug/L | 501 | | 96.5 | 70-123 | 9.22 | 10 | |
| Bromodichloromethane | 483.2 | 10.0 | ug/L | 501 | ND | 96.5 | 67-130 | 9.22 | 21 | |
| cis-1,3-Dichloropropene | 464.4 | 10.0 | ug/L | 501 | | 92.7 | 68-119 | 8.08 | 10 | |
| cis-1,3-Dichloropropene | 464.4 | 10.0 | ug/L | 501 | ND | 92.7 | 61-126 | 8.08 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 1055 | 50.0 | ug/L | 1000 | | 106 | 57-153 | 4.63 | 11 | |
| 4-Methyl-2-pentanone (MIBK) | 1055 | 50.0 | ug/L | 1000 | ND | 106 | 55-147 | 4.63 | 23 | |
| Toluene | 493.3 | 10.0 | ug/L | 505 | | 97.7 | 63-131 | 4.09 | 15 | |
| Toluene | 493.3 | 10.0 | ug/L | 505 | ND | 97.7 | 71-133 | 4.09 | 19 | |
| trans-1,3-Dichloropropene | 451.6 | 10.0 | ug/L | 501 | | 90.2 | 65-121 | 5.93 | 14 | |
| trans-1,3-Dichloropropene | 451.6 | 10.0 | ug/L | 501 | ND | 90.2 | 63-124 | 5.93 | 21 | |
| Ethyl Methacrylate | 1013 | 100 | ug/L | 1000 | | 101 | 62-137 | 1.65 | 10 | |
| 1,1,2-Trichloroethane | 480.8 | 10.0 | ug/L | 501 | | 96.0 | 76-124 | 4.97 | 12 | |
| 1,1,2-Trichloroethane | 480.8 | 10.0 | ug/L | 501 | ND | 96.0 | 69-133 | 4.97 | 19 | |
| Tetrachloroethylene | 433.8 | 10.0 | ug/L | 501 | | 86.6 | 77-117 | 11.5 | 12 | |
| Tetrachloroethylene | 433.8 | 10.0 | ug/L | 501 | ND | 86.6 | 70-124 | 11.5 | 24 | |
| 1,3-Dichloropropane | 493.8 | 10.0 | ug/L | 504 | | 97.9 | 81-132 | 10.1 | 12 | |
| 2-Hexanone (MBK) | 1090 | 50.0 | ug/L | 1000 | | 109 | 63-152 | 5.72 | 19 | |
| 2-Hexanone (MBK) | 1090 | 50.0 | ug/L | 1000 | ND | 109 | 53-141 | 5.72 | 24 | |
| Dibromochloromethane | 503.0 | 10.0 | ug/L | 501 | | 100 | 77-124 | 8.00 | 17 | |
| Dibromochloromethane | 503.0 | 10.0 | ug/L | 501 | ND | 100 | 74-122 | 8.00 | 21 | |
| 1,2-Dibromoethane | 497.4 | 10.0 | ug/L | 502 | | 99.0 | 82-117 | 7.34 | 14 | |
| 1,2-Dibromoethane | 497.4 | 10.0 | ug/L | 502 | ND | 99.0 | 66-127 | 7.34 | 23 | |
| Chlorobenzene | 446.0 | 10.0 | ug/L | 501 | | 89.1 | 82-114 | 8.13 | 11 | |
| Chlorobenzene | 446.0 | 10.0 | ug/L | 501 | ND | 89.1 | 76-116 | 8.13 | 21 | |
| 1,1,1,2-Tetrachloroethane | 447.3 | 10.0 | ug/L | 503 | | 88.8 | 82-118 | 9.76 | 15 | |
| 1,1,1,2-Tetrachloroethane | 447.3 | 10.0 | ug/L | 503 | ND | 88.8 | 77-121 | 9.76 | 25 | |
| Ethylbenzene | 476.4 | 10.0 | ug/L | 502 | | 95.0 | 80-119 | 8.08 | 11 | |
| Ethylbenzene | 476.4 | 10.0 | ug/L | 502 | ND | 95.0 | 73-124 | 8.08 | 20 | |
| Xylenes, total | 1451 | 20.0 | ug/L | 1510 | | 96.1 | 81-119 | 6.60 | 11 | |
| Xylenes, total | 1451 | 20.0 | ug/L | 1510 | ND | 96.1 | 75-123 | 6.60 | 20 | |
| Styrene | 504.2 | 10.0 | ug/L | 504 | | 100 | 81-119 | 7.52 | 12 | |
| Styrene | 504.2 | 10.0 | ug/L | 504 | ND | 100 | 70-120 | 7.52 | 23 | |
| Bromoform | 513.9 | 10.0 | ug/L | 501 | | 103 | 74-122 | 4.40 | 12 | |
| Bromoform | 513.9 | 10.0 | ug/L | 501 | ND | 103 | 70-124 | 4.40 | 22 | |
| 1,2,3-Trichloropropane | 451.0 | 10.0 | ug/L | 503 | | 89.6 | 72-138 | 7.33 | 14 | |
| 1,2,3-Trichloropropane | 451.0 | 10.0 | ug/L | 503 | ND | 89.6 | 62-135 | 7.33 | 28 | |
| trans-1,4-Dichloro-2-butene | 921.8 | 50.0 | ug/L | 1000 | | 92.2 | 56-116 | 2.40 | 10 | |
| trans-1,4-Dichloro-2-butene | 921.8 | 50.0 | ug/L | 1000 | ND | 92.2 | 50-120 | 2.40 | 26 | |
| 1,1,2,2-Tetrachloroethane | 472.3 | 10.0 | ug/L | 501 | | 94.3 | 78-126 | 3.02 | 13 | |
| 1,1,2,2-Tetrachloroethane | 472.3 | 10.0 | ug/L | 501 | ND | 94.3 | 63-126 | 3.02 | 24 | |
| 1,3-Dichlorobenzene | 475.1 | 10.0 | ug/L | 501 | | 94.9 | 81-113 | 3.35 | 14 | |
| 1,4-Dichlorobenzene | 449.6 | 10.0 | ug/L | 501 | | 89.7 | 81-116 | 2.16 | 14 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0807 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1IC0807-MSD2)** | **Source: 1IC0854-15** | | Prepared: 03/17/25 00:00 Analyzed: 03/18/25 06:26 | | | | | | | |
| 1,4-Dichlorobenzene | 449.6 | 10.0 | ug/L | 501 | ND | 89.7 | 72-119 | 2.16 | 24 | |
| 1,2-Dichlorobenzene | 483.1 | 10.0 | ug/L | 501 | | 96.4 | 81-116 | 1.56 | 13 | |
| 1,2-Dichlorobenzene | 483.1 | 10.0 | ug/L | 501 | ND | 96.4 | 71-117 | 1.56 | 24 | |
| 1,2-Dibromo-3-chloropropane | 572.5 | 10.0 | ug/L | 501 | | 114 | 63-138 | 3.30 | 17 | |
| 1,2-Dibromo-3-chloropropane | 572.5 | 50.0 | ug/L | 501 | ND | 114 | 49-134 | 3.30 | 28 | |
| 1,2,4-Trichlorobenzene | 571.4 | 10.0 | ug/L | 504 | | 113 | 65-132 | 0.632 | 15 | |
| *Surrogate: Dibromofluoromethane* | *530* | | ug/L | *502* | | *106* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *530* | | ug/L | *502* | | *106* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *530* | | ug/L | *502* | | *106* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *518* | | ug/L | *501* | | *103* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *518* | | ug/L | *501* | | *103* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *518* | | ug/L | *501* | | *103* | *61-142* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *518* | | ug/L | *501* | | *103* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *502* | | ug/L | *504* | | *99.6* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *502* | | ug/L | *504* | | *99.6* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *502* | | ug/L | *504* | | *99.6* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *502* | | ug/L | *504* | | *99.6* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *508* | | ug/L | *501* | | *101* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *508* | | ug/L | *501* | | *101* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *508* | | ug/L | *501* | | *101* | *78-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *508* | | ug/L | *501* | | *101* | *78-121* | | | |
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC1002-BLK1)** | | | Prepared: 03/19/25 00:00 Analyzed: 03/19/25 15:56 | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 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 | | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC1002-BLK1)** | | | | Prepared: 03/19/25 00:00 Analyzed: 03/19/25 15:56 | | | | | | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| Dibromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Toluene | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Xylenes, total | <2.0 | 2.0 | ug/L | | | | | | | |
| Styrene | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromoform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *34.7* | | ug/L | *50.2* | | *69.1* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *34.7* | | ug/L | *50.2* | | *69.1* | *75-136* | | | *S2* |
| *Surrogate: 1,2-Dichloroethane-d4* | *33.2* | | ug/L | *50.1* | | *66.4* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *33.2* | | ug/L | *50.1* | | *66.4* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *51.4* | | ug/L | *50.4* | | *102* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *51.4* | | ug/L | *50.4* | | *102* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.6* | | ug/L | *50.1* | | *92.9* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.6* | | ug/L | *50.1* | | *92.9* | *78-121* | | | |
| **Blank (1IC1002-BLK2)** | | | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 03:06 | | | | | | |
| 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 | | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC1002-BLK2)** | | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 03:06 | | | | | | | |
| Acetone | <10.0 | 10.0 | ug/L | | | | | | | |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | | | | | | |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | | | | | | |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | | | | | | |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | | | | | | |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | | | | | | |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| Dibromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Toluene | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Xylenes, total | <2.0 | 2.0 | ug/L | | | | | | | |
| Styrene | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromoform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *37.6* | | ug/L | *50.2* | | *74.9* | *57-134* | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC1002-BLK2)** | | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 03:06 | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *37.6* | | ug/L | *50.2* | | *74.9* | *75-136* | | | *S2* |
| *Surrogate: 1,2-Dichloroethane-d4* | *36.0* | | ug/L | *50.1* | | *71.9* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *36.0* | | ug/L | *50.1* | | *71.9* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *49.9* | | ug/L | *50.4* | | *99.0* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *49.9* | | ug/L | *50.4* | | *99.0* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.3* | | ug/L | *50.1* | | *92.3* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.3* | | ug/L | *50.1* | | *92.3* | *78-121* | | | |
| **LCS (1IC1002-BS1)** | | | Prepared: 03/19/25 00:00 Analyzed: 03/19/25 14:49 | | | | | | | |
| Chloromethane | 29.32 | 1.0 | ug/L | 30.3 | | 96.7 | 63-155 | | | |
| Vinyl Chloride | 30.18 | 1.0 | ug/L | 30.2 | | 99.8 | 70-154 | | | |
| Bromomethane | 28.27 | 1.0 | ug/L | 30.1 | | 93.9 | 52-176 | | | |
| Chloroethane | 29.18 | 1.0 | ug/L | 30.3 | | 96.2 | 72-148 | | | |
| Trichlorofluoromethane | 30.09 | 1.0 | ug/L | 30.3 | | 99.3 | 70-152 | | | |
| 1,1-Dichloroethylene | 50.76 | 1.0 | ug/L | 50.1 | | 101 | 70-148 | | | |
| Acetone | 95.57 | 10.0 | ug/L | 100 | | 95.6 | 43-172 | | | |
| Methyl Iodide | 90.68 | 1.0 | ug/L | 100 | | 90.7 | 69-170 | | | |
| Carbon Disulfide | 97.18 | 1.0 | ug/L | 100 | | 97.2 | 72-162 | | | |
| Methylene Chloride | 41.47 | 5.0 | ug/L | 50.1 | | 82.8 | 68-142 | | | |
| Acrylonitrile | 45.11 | 5.0 | ug/L | 50.2 | | 89.9 | 56-135 | | | |
| trans-1,2-Dichloroethylene | 50.11 | 1.0 | ug/L | 50.1 | | 100 | 66-148 | | | |
| 1,1-Dichloroethane | 48.24 | 1.0 | ug/L | 50.1 | | 96.3 | 66-143 | | | |
| Vinyl Acetate | 130.9 | 5.0 | ug/L | 140 | | 93.5 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 48.22 | 1.0 | ug/L | 50.4 | | 95.8 | 71-149 | | | |
| 2-Butanone (MEK) | 84.72 | 10.0 | ug/L | 100 | | 84.7 | 52-159 | | | |
| Bromochloromethane | 46.79 | 1.0 | ug/L | 50.4 | | 92.8 | 69-143 | | | |
| Chloroform | 47.58 | 1.0 | ug/L | 50.1 | | 95.0 | 69-144 | | | |
| 1,1,1-Trichloroethane | 50.50 | 1.0 | ug/L | 50.1 | | 101 | 62-129 | | | |
| Carbon Tetrachloride | 50.36 | 1.0 | ug/L | 50.1 | | 101 | 63-141 | | | |
| Benzene | 48.59 | 1.0 | ug/L | 50.4 | | 96.3 | 71-134 | | | |
| 1,2-Dichloroethane | 47.03 | 1.0 | ug/L | 50.1 | | 93.9 | 72-132 | | | |
| Trichloroethylene | 49.66 | 1.0 | ug/L | 50.1 | | 99.1 | 71-135 | | | |
| 1,2-Dichloropropane | 46.84 | 1.0 | ug/L | 50.1 | | 93.5 | 69-136 | | | |
| Dibromomethane | 46.94 | 1.0 | ug/L | 50.4 | | 93.2 | 73-147 | | | |
| Bromodichloromethane | 49.16 | 1.0 | ug/L | 50.1 | | 98.1 | 68-129 | | | |
| cis-1,3-Dichloropropene | 46.79 | 1.0 | ug/L | 50.1 | | 93.4 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 88.76 | 5.0 | ug/L | 100 | | 88.8 | 58-147 | | | |
| Toluene | 52.59 | 1.0 | ug/L | 50.5 | | 104 | 72-133 | | | |
| trans-1,3-Dichloropropene | 44.24 | 1.0 | ug/L | 50.1 | | 88.3 | 67-130 | | | |
| 1,1,2-Trichloroethane | 44.40 | 1.0 | ug/L | 50.1 | | 88.6 | 69-135 | | | |
| Tetrachloroethylene | 51.82 | 1.0 | ug/L | 50.1 | | 103 | 69-130 | | | |
| 2-Hexanone (MBK) | 94.45 | 5.0 | ug/L | 100 | | 94.4 | 55-144 | | | |
| Dibromochloromethane | 48.23 | 1.0 | ug/L | 50.1 | | 96.3 | 73-127 | | | |
| 1,2-Dibromoethane | 48.43 | 1.0 | ug/L | 50.2 | | 96.4 | 67-132 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS (1IC1002-BS1)** | | | | Prepared: 03/19/25 00:00 Analyzed: 03/19/25 14:49 | | | | | | |
| Chlorobenzene | 47.63 | 1.0 | ug/L | 50.1 | | 95.1 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 46.05 | 1.0 | ug/L | 50.3 | | 91.5 | 73-127 | | | |
| Ethylbenzene | 53.64 | 1.0 | ug/L | 50.2 | | 107 | 71-127 | | | |
| Xylenes, total | 160.1 | 2.0 | ug/L | 151 | | 106 | 74-127 | | | |
| Styrene | 51.54 | 1.0 | ug/L | 50.4 | | 102 | 66-126 | | | |
| Bromoform | 46.55 | 1.0 | ug/L | 50.1 | | 92.9 | 68-130 | | | |
| 1,2,3-Trichloropropane | 44.35 | 1.0 | ug/L | 50.3 | | 88.1 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 91.81 | 5.0 | ug/L | 100 | | 91.8 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 46.23 | 1.0 | ug/L | 50.1 | | 92.3 | 61-131 | | | |
| 1,4-Dichlorobenzene | 47.87 | 1.0 | ug/L | 50.1 | | 95.5 | 70-129 | | | |
| 1,2-Dichlorobenzene | 48.28 | 1.0 | ug/L | 50.1 | | 96.4 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 42.58 | 5.0 | ug/L | 50.1 | | 84.9 | 50-143 | | | |
| *Surrogate: Dibromofluoromethane* | *45.1* | | ug/L | *50.2* | | *89.9* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *45.1* | | ug/L | *50.2* | | *89.9* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *44.7* | | ug/L | *50.1* | | *89.2* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *44.7* | | ug/L | *50.1* | | *89.2* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *49.7* | | ug/L | *50.4* | | *98.6* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *49.7* | | ug/L | *50.4* | | *98.6* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.5* | | ug/L | *50.1* | | *96.7* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.5* | | ug/L | *50.1* | | *96.7* | *78-121* | | | |
| **LCS (1IC1002-BS2)** | | | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 01:59 | | | | | | |
| Chloromethane | 28.24 | 1.0 | ug/L | 30.3 | | 93.1 | 63-155 | | | |
| Vinyl Chloride | 28.58 | 1.0 | ug/L | 30.2 | | 94.5 | 70-154 | | | |
| Bromomethane | 27.14 | 1.0 | ug/L | 30.1 | | 90.1 | 52-176 | | | |
| Chloroethane | 28.14 | 1.0 | ug/L | 30.3 | | 92.8 | 72-148 | | | |
| Trichlorofluoromethane | 28.62 | 1.0 | ug/L | 30.3 | | 94.4 | 70-152 | | | |
| 1,1-Dichloroethylene | 48.78 | 1.0 | ug/L | 50.1 | | 97.3 | 70-148 | | | |
| Acetone | 104.2 | 10.0 | ug/L | 100 | | 104 | 43-172 | | | |
| Methyl Iodide | 86.84 | 1.0 | ug/L | 100 | | 86.8 | 69-170 | | | |
| Carbon Disulfide | 91.23 | 1.0 | ug/L | 100 | | 91.2 | 72-162 | | | |
| Methylene Chloride | 40.60 | 5.0 | ug/L | 50.1 | | 81.0 | 68-142 | | | |
| Acrylonitrile | 46.33 | 5.0 | ug/L | 50.2 | | 92.3 | 56-135 | | | |
| trans-1,2-Dichloroethylene | 48.28 | 1.0 | ug/L | 50.1 | | 96.4 | 66-148 | | | |
| 1,1-Dichloroethane | 48.03 | 1.0 | ug/L | 50.1 | | 95.9 | 66-143 | | | |
| Vinyl Acetate | 133.3 | 5.0 | ug/L | 140 | | 95.2 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 47.05 | 1.0 | ug/L | 50.4 | | 93.4 | 71-149 | | | |
| 2-Butanone (MEK) | 87.95 | 10.0 | ug/L | 100 | | 88.0 | 52-159 | | | |
| Bromochloromethane | 46.80 | 1.0 | ug/L | 50.4 | | 92.9 | 69-143 | | | |
| Chloroform | 46.84 | 1.0 | ug/L | 50.1 | | 93.5 | 69-144 | | | |
| 1,1,1-Trichloroethane | 50.20 | 1.0 | ug/L | 50.1 | | 100 | 62-129 | | | |
| Carbon Tetrachloride | 49.66 | 1.0 | ug/L | 50.1 | | 99.1 | 63-141 | | | |
| Benzene | 48.23 | 1.0 | ug/L | 50.4 | | 95.6 | 71-134 | | | |
| 1,2-Dichloroethane | 47.77 | 1.0 | ug/L | 50.1 | | 95.4 | 72-132 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS (1IC1002-BS2)** | | | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 01:59 | | | | | | |
| Trichloroethylene | 49.90 | 1.0 | ug/L | 50.1 | | 99.6 | 71-135 | | | |
| 1,2-Dichloropropane | 48.26 | 1.0 | ug/L | 50.1 | | 96.3 | 69-136 | | | |
| Dibromomethane | 47.38 | 1.0 | ug/L | 50.4 | | 94.1 | 73-147 | | | |
| Bromodichloromethane | 49.44 | 1.0 | ug/L | 50.1 | | 98.7 | 68-129 | | | |
| cis-1,3-Dichloropropene | 46.74 | 1.0 | ug/L | 50.1 | | 93.3 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 101.3 | 5.0 | ug/L | 100 | | 101 | 58-147 | | | |
| Toluene | 52.14 | 1.0 | ug/L | 50.5 | | 103 | 72-133 | | | |
| trans-1,3-Dichloropropene | 44.32 | 1.0 | ug/L | 50.1 | | 88.5 | 67-130 | | | |
| 1,1,2-Trichloroethane | 45.95 | 1.0 | ug/L | 50.1 | | 91.7 | 69-135 | | | |
| Tetrachloroethylene | 50.82 | 1.0 | ug/L | 50.1 | | 101 | 69-130 | | | |
| 2-Hexanone (MBK) | 108.6 | 5.0 | ug/L | 100 | | 109 | 55-144 | | | |
| Dibromochloromethane | 49.68 | 1.0 | ug/L | 50.1 | | 99.2 | 73-127 | | | |
| 1,2-Dibromoethane | 51.09 | 1.0 | ug/L | 50.2 | | 102 | 67-132 | | | |
| Chlorobenzene | 48.27 | 1.0 | ug/L | 50.1 | | 96.4 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 46.96 | 1.0 | ug/L | 50.3 | | 93.3 | 73-127 | | | |
| Ethylbenzene | 53.27 | 1.0 | ug/L | 50.2 | | 106 | 71-127 | | | |
| Xylenes, total | 159.0 | 2.0 | ug/L | 151 | | 105 | 74-127 | | | |
| Styrene | 53.05 | 1.0 | ug/L | 50.4 | | 105 | 66-126 | | | |
| Bromoform | 50.34 | 1.0 | ug/L | 50.1 | | 100 | 68-130 | | | |
| 1,2,3-Trichloropropane | 46.56 | 1.0 | ug/L | 50.3 | | 92.5 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 92.50 | 5.0 | ug/L | 100 | | 92.5 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 47.65 | 1.0 | ug/L | 50.1 | | 95.1 | 61-131 | | | |
| 1,4-Dichlorobenzene | 48.57 | 1.0 | ug/L | 50.1 | | 96.9 | 70-129 | | | |
| 1,2-Dichlorobenzene | 51.09 | 1.0 | ug/L | 50.1 | | 102 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 50.11 | 5.0 | ug/L | 50.1 | | 100 | 50-143 | | | |
| *Surrogate: Dibromofluoromethane* | *46.0* | | ug/L | *50.2* | | *91.7* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *46.0* | | ug/L | *50.2* | | *91.7* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *45.5* | | ug/L | *50.1* | | *90.9* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *45.5* | | ug/L | *50.1* | | *90.9* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *49.6* | | ug/L | *50.4* | | *98.5* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *49.6* | | ug/L | *50.4* | | *98.5* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.3* | | ug/L | *50.1* | | *98.4* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.3* | | ug/L | *50.1* | | *98.4* | *78-121* | | | |
| **LCS Dup (1IC1002-BSD2)** | | | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 02:21 | | | | | | |
| Chloromethane | 25.03 | 1.0 | ug/L | 30.3 | | 82.6 | 63-155 | 12.1 | 24 | |
| Vinyl Chloride | 25.13 | 1.0 | ug/L | 30.2 | | 83.1 | 70-154 | 12.8 | 25 | |
| Bromomethane | 23.79 | 1.0 | ug/L | 30.1 | | 79.0 | 52-176 | 13.2 | 27 | |
| Chloroethane | 25.02 | 1.0 | ug/L | 30.3 | | 82.5 | 72-148 | 11.7 | 25 | |
| Trichlorofluoromethane | 26.28 | 1.0 | ug/L | 30.3 | | 86.7 | 70-152 | 8.52 | 26 | |
| 1,1-Dichloroethylene | 45.37 | 1.0 | ug/L | 50.1 | | 90.5 | 70-148 | 7.24 | 24 | |
| Acetone | 100.7 | 10.0 | ug/L | 100 | | 101 | 43-172 | 3.47 | 30 | |
| Methyl Iodide | 79.76 | 1.0 | ug/L | 100 | | 79.8 | 69-170 | 8.50 | 30 | |
| Carbon Disulfide | 82.86 | 1.0 | ug/L | 100 | | 82.9 | 72-162 | 9.62 | 24 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS Dup (1IC1002-BSD2)** | | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 02:21 | | | | | | | |
| Methylene Chloride | 37.41 | 5.0 | ug/L | 50.1 | | 74.7 | 68-142 | 8.18 | 21 | |
| Acrylonitrile | 46.61 | 5.0 | ug/L | 50.2 | | 92.8 | 56-135 | 0.603 | 16 | |
| trans-1,2-Dichloroethylene | 46.21 | 1.0 | ug/L | 50.1 | | 92.3 | 66-148 | 4.38 | 27 | |
| 1,1-Dichloroethane | 45.27 | 1.0 | ug/L | 50.1 | | 90.4 | 66-143 | 5.92 | 24 | |
| Vinyl Acetate | 133.7 | 5.0 | ug/L | 140 | | 95.5 | 43-153 | 0.330 | 30 | |
| cis-1,2-Dichloroethylene | 45.39 | 1.0 | ug/L | 50.4 | | 90.1 | 71-149 | 3.59 | 26 | |
| 2-Butanone (MEK) | 98.30 | 10.0 | ug/L | 100 | | 98.3 | 52-159 | 11.1 | 27 | |
| Bromochloromethane | 44.88 | 1.0 | ug/L | 50.4 | | 89.0 | 69-143 | 4.19 | 23 | |
| Chloroform | 44.97 | 1.0 | ug/L | 50.1 | | 89.8 | 69-144 | 4.07 | 23 | |
| 1,1,1-Trichloroethane | 46.93 | 1.0 | ug/L | 50.1 | | 93.6 | 62-129 | 6.73 | 24 | |
| Carbon Tetrachloride | 46.61 | 1.0 | ug/L | 50.1 | | 93.1 | 63-141 | 6.34 | 25 | |
| Benzene | 44.27 | 1.0 | ug/L | 50.4 | | 87.8 | 71-134 | 8.56 | 24 | |
| 1,2-Dichloroethane | 46.46 | 1.0 | ug/L | 50.1 | | 92.8 | 72-132 | 2.78 | 24 | |
| Trichloroethylene | 46.81 | 1.0 | ug/L | 50.1 | | 93.4 | 71-135 | 6.39 | 24 | |
| 1,2-Dichloropropane | 45.98 | 1.0 | ug/L | 50.1 | | 91.8 | 69-136 | 4.84 | 24 | |
| Dibromomethane | 47.67 | 1.0 | ug/L | 50.4 | | 94.6 | 73-147 | 0.610 | 25 | |
| Bromodichloromethane | 47.46 | 1.0 | ug/L | 50.1 | | 94.8 | 68-129 | 4.09 | 22 | |
| cis-1,3-Dichloropropene | 45.52 | 1.0 | ug/L | 50.1 | | 90.9 | 65-134 | 2.64 | 23 | |
| 4-Methyl-2-pentanone (MIBK) | 98.96 | 5.0 | ug/L | 100 | | 99.0 | 58-147 | 2.38 | 27 | |
| Toluene | 48.04 | 1.0 | ug/L | 50.5 | | 95.2 | 72-133 | 8.19 | 24 | |
| trans-1,3-Dichloropropene | 43.12 | 1.0 | ug/L | 50.1 | | 86.1 | 67-130 | 2.74 | 24 | |
| 1,1,2-Trichloroethane | 43.58 | 1.0 | ug/L | 50.1 | | 87.0 | 69-135 | 5.29 | 23 | |
| Tetrachloroethylene | 49.29 | 1.0 | ug/L | 50.1 | | 98.4 | 69-130 | 3.06 | 25 | |
| 2-Hexanone (MBK) | 109.8 | 5.0 | ug/L | 100 | | 110 | 55-144 | 1.11 | 25 | |
| Dibromochloromethane | 50.60 | 1.0 | ug/L | 50.1 | | 101 | 73-127 | 1.83 | 22 | |
| 1,2-Dibromoethane | 49.99 | 1.0 | ug/L | 50.2 | | 99.5 | 67-132 | 2.18 | 24 | |
| Chlorobenzene | 46.48 | 1.0 | ug/L | 50.1 | | 92.8 | 72-123 | 3.78 | 23 | |
| 1,1,1,2-Tetrachloroethane | 47.54 | 1.0 | ug/L | 50.3 | | 94.4 | 73-127 | 1.23 | 24 | |
| Ethylbenzene | 50.79 | 1.0 | ug/L | 50.2 | | 101 | 71-127 | 4.77 | 26 | |
| Xylenes, total | 151.3 | 2.0 | ug/L | 151 | | 100 | 74-127 | 4.92 | 25 | |
| Styrene | 50.35 | 1.0 | ug/L | 50.4 | | 100 | 66-126 | 5.22 | 23 | |
| Bromoform | 49.74 | 1.0 | ug/L | 50.1 | | 99.3 | 68-130 | 1.20 | 23 | |
| 1,2,3-Trichloropropane | 43.54 | 1.0 | ug/L | 50.3 | | 86.5 | 63-136 | 6.70 | 24 | |
| trans-1,4-Dichloro-2-butene | 91.99 | 5.0 | ug/L | 100 | | 92.0 | 54-134 | 0.553 | 27 | |
| 1,1,2,2-Tetrachloroethane | 50.29 | 1.0 | ug/L | 50.1 | | 100 | 61-131 | 5.39 | 29 | |
| 1,4-Dichlorobenzene | 50.44 | 1.0 | ug/L | 50.1 | | 101 | 70-129 | 3.78 | 24 | |
| 1,2-Dichlorobenzene | 52.65 | 1.0 | ug/L | 50.1 | | 105 | 69-126 | 3.01 | 26 | |
| 1,2-Dibromo-3-chloropropane | 54.86 | 5.0 | ug/L | 50.1 | | 109 | 50-143 | 9.05 | 30 | |
| *Surrogate: Dibromofluoromethane* | *45.7* | | ug/L | *50.2* | | *91.1* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *45.7* | | ug/L | *50.2* | | *91.1* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *47.1* | | ug/L | *50.1* | | *94.1* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *47.1* | | ug/L | *50.1* | | *94.1* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *48.9* | | ug/L | *50.4* | | *97.0* | *86-114* | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS Dup (1IC1002-BSD2)** | | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 02:21 | | | | | | | |
| *Surrogate: Toluene-d8* | *48.9* | | ug/L | *50.4* | | *97.0* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *47.9* | | ug/L | *50.1* | | *95.5* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *47.9* | | ug/L | *50.1* | | *95.5* | *78-121* | | | |
| **Matrix Spike (1IC1002-MS1)** | **Source: 1IC0851-01** | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 00:30 | | | | | | | |
| Chloromethane | 275.6 | 10.0 | ug/L | 303 | ND | 90.9 | 61-152 | | | |
| Vinyl Chloride | 278.2 | 10.0 | ug/L | 302 | ND | 92.0 | 66-149 | | | |
| Bromomethane | 272.5 | 10.0 | ug/L | 301 | ND | 90.5 | 43-171 | | | |
| Chloroethane | 271.4 | 10.0 | ug/L | 303 | ND | 89.5 | 69-148 | | | |
| Trichlorofluoromethane | 282.9 | 10.0 | ug/L | 303 | ND | 93.3 | 62-163 | | | |
| 1,1-Dichloroethylene | 469.4 | 10.0 | ug/L | 501 | ND | 93.6 | 70-148 | | | |
| Acetone | 1004 | 100 | ug/L | 1000 | ND | 100 | 45-173 | | | |
| Methyl Iodide | 838.5 | 10.0 | ug/L | 1000 | ND | 83.8 | 62-167 | | | |
| Carbon Disulfide | 882.1 | 10.0 | ug/L | 1000 | ND | 88.2 | 71-163 | | | |
| Methylene Chloride | 402.5 | 50.0 | ug/L | 501 | ND | 80.3 | 69-140 | | | |
| Acrylonitrile | 475.3 | 50.0 | ug/L | 502 | ND | 94.7 | 38-147 | | | |
| trans-1,2-Dichloroethylene | 468.3 | 10.0 | ug/L | 501 | ND | 93.5 | 69-144 | | | |
| 1,1-Dichloroethane | 461.2 | 10.0 | ug/L | 501 | ND | 92.1 | 70-138 | | | |
| Vinyl Acetate | 1380 | 50.0 | ug/L | 1400 | ND | 98.6 | 58-142 | | | |
| cis-1,2-Dichloroethylene | 452.3 | 10.0 | ug/L | 504 | ND | 89.8 | 68-151 | | | |
| 2-Butanone (MEK) | 822.8 | 100 | ug/L | 1000 | ND | 82.3 | 50-160 | | | |
| Bromochloromethane | 447.0 | 10.0 | ug/L | 504 | ND | 88.7 | 65-143 | | | |
| Chloroform | 462.4 | 10.0 | ug/L | 501 | ND | 92.3 | 71-143 | | | |
| 1,1,1-Trichloroethane | 478.8 | 10.0 | ug/L | 501 | ND | 95.5 | 63-133 | | | |
| Carbon Tetrachloride | 481.2 | 10.0 | ug/L | 501 | ND | 96.1 | 63-142 | | | |
| Benzene | 472.1 | 10.0 | ug/L | 504 | ND | 93.6 | 69-133 | | | |
| 1,2-Dichloroethane | 470.5 | 10.0 | ug/L | 501 | ND | 93.9 | 63-138 | | | |
| Trichloroethylene | 477.0 | 10.0 | ug/L | 501 | ND | 95.2 | 71-133 | | | |
| 1,2-Dichloropropane | 467.5 | 10.0 | ug/L | 501 | ND | 93.3 | 69-132 | | | |
| Dibromomethane | 479.5 | 10.0 | ug/L | 504 | ND | 95.2 | 70-147 | | | |
| Bromodichloromethane | 489.8 | 10.0 | ug/L | 501 | ND | 97.8 | 67-130 | | | |
| cis-1,3-Dichloropropene | 459.5 | 10.0 | ug/L | 501 | ND | 91.7 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 924.8 | 50.0 | ug/L | 1000 | ND | 92.5 | 55-147 | | | |
| Toluene | 512.3 | 10.0 | ug/L | 505 | ND | 101 | 71-133 | | | |
| trans-1,3-Dichloropropene | 431.4 | 10.0 | ug/L | 501 | ND | 86.2 | 63-124 | | | |
| 1,1,2-Trichloroethane | 447.9 | 10.0 | ug/L | 501 | ND | 89.4 | 69-133 | | | |
| Tetrachloroethylene | 501.7 | 10.0 | ug/L | 501 | ND | 100 | 70-124 | | | |
| 2-Hexanone (MBK) | 988.2 | 50.0 | ug/L | 1000 | ND | 98.8 | 53-141 | | | |
| Dibromochloromethane | 498.3 | 10.0 | ug/L | 501 | ND | 99.5 | 74-122 | | | |
| 1,2-Dibromoethane | 496.1 | 10.0 | ug/L | 502 | ND | 98.8 | 66-127 | | | |
| Chlorobenzene | 480.9 | 10.0 | ug/L | 501 | ND | 96.0 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 475.1 | 10.0 | ug/L | 503 | ND | 94.4 | 77-121 | | | |
| Ethylbenzene | 523.3 | 10.0 | ug/L | 502 | ND | 104 | 73-124 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1IC1002-MS1)** | **Source: 1IC0851-01** | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 00:30 | | | | | | | |
| Xylenes, total | 1581 | 20.0 | ug/L | 1510 | ND | 105 | 75-123 | | | |
| Styrene | 529.4 | 10.0 | ug/L | 504 | ND | 105 | 70-120 | | | |
| Bromoform | 489.5 | 10.0 | ug/L | 501 | ND | 97.7 | 70-124 | | | |
| 1,2,3-Trichloropropane | 458.4 | 10.0 | ug/L | 503 | ND | 91.1 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 915.4 | 50.0 | ug/L | 1000 | ND | 91.5 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 451.2 | 10.0 | ug/L | 501 | ND | 90.1 | 63-126 | | | |
| 1,4-Dichlorobenzene | 457.7 | 10.0 | ug/L | 501 | ND | 91.3 | 72-119 | | | |
| 1,2-Dichlorobenzene | 470.0 | 10.0 | ug/L | 501 | ND | 93.8 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 437.7 | 50.0 | ug/L | 501 | ND | 87.3 | 49-134 | | | |
| *Surrogate: Dibromofluoromethane* | *446* | | ug/L | *502* | | *88.9* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *446* | | ug/L | *502* | | *88.9* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *448* | | ug/L | *501* | | *89.4* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *448* | | ug/L | *501* | | *89.4* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *498* | | ug/L | *504* | | *98.9* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *498* | | ug/L | *504* | | *98.9* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *500* | | ug/L | *501* | | *99.6* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *500* | | ug/L | *501* | | *99.6* | *78-121* | | | |
| **Matrix Spike (1IC1002-MS2)** | **Source: 1IC0851-21** | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 10:10 | | | | | | | |
| Chloromethane | 283.7 | 10.0 | ug/L | 303 | ND | 93.6 | 61-152 | | | |
| Vinyl Chloride | 285.5 | 10.0 | ug/L | 302 | ND | 94.4 | 66-149 | | | |
| Bromomethane | 257.4 | 10.0 | ug/L | 301 | ND | 85.5 | 43-171 | | | |
| Chloroethane | 286.2 | 10.0 | ug/L | 303 | ND | 94.4 | 69-148 | | | |
| Trichlorofluoromethane | 305.5 | 10.0 | ug/L | 303 | ND | 101 | 62-163 | | | |
| 1,1-Dichloroethylene | 508.7 | 10.0 | ug/L | 501 | ND | 101 | 70-148 | | | |
| Acetone | 1148 | 100 | ug/L | 1000 | ND | 115 | 45-173 | | | |
| Methyl Iodide | 892.2 | 10.0 | ug/L | 1000 | ND | 89.2 | 62-167 | | | |
| Carbon Disulfide | 941.3 | 10.0 | ug/L | 1000 | ND | 94.1 | 71-163 | | | |
| Methylene Chloride | 432.2 | 50.0 | ug/L | 501 | ND | 86.3 | 69-140 | | | |
| Acrylonitrile | 500.0 | 50.0 | ug/L | 502 | ND | 99.6 | 38-147 | | | |
| trans-1,2-Dichloroethylene | 500.9 | 10.0 | ug/L | 501 | ND | 100 | 69-144 | | | |
| 1,1-Dichloroethane | 497.4 | 10.0 | ug/L | 501 | ND | 99.3 | 70-138 | | | |
| Vinyl Acetate | 1471 | 50.0 | ug/L | 1400 | ND | 105 | 58-142 | | | |
| cis-1,2-Dichloroethylene | 493.4 | 10.0 | ug/L | 504 | ND | 98.0 | 68-151 | | | |
| 2-Butanone (MEK) | 899.1 | 100 | ug/L | 1000 | ND | 89.9 | 50-160 | | | |
| Bromochloromethane | 491.6 | 10.0 | ug/L | 504 | ND | 97.5 | 65-143 | | | |
| Chloroform | 498.0 | 10.0 | ug/L | 501 | ND | 99.4 | 71-143 | | | |
| 1,1,1-Trichloroethane | 507.1 | 10.0 | ug/L | 501 | ND | 101 | 63-133 | | | |
| Carbon Tetrachloride | 503.0 | 10.0 | ug/L | 501 | ND | 100 | 63-142 | | | |
| Benzene | 491.1 | 10.0 | ug/L | 504 | ND | 97.4 | 69-133 | | | |
| 1,2-Dichloroethane | 511.2 | 10.0 | ug/L | 501 | ND | 102 | 63-138 | | | |
| Trichloroethylene | 504.1 | 10.0 | ug/L | 501 | ND | 101 | 71-133 | | | |
| 1,2-Dichloropropane | 492.6 | 10.0 | ug/L | 501 | ND | 98.3 | 69-132 | | | |
| Dibromomethane | 505.3 | 10.0 | ug/L | 504 | ND | 100 | 70-147 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1IC1002-MS2)** | **Source: 1IC0851-21** | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 10:10 | | | | | | | |
| Bromodichloromethane | 513.7 | 10.0 | ug/L | 501 | ND | 103 | 67-130 | | | |
| cis-1,3-Dichloropropene | 472.1 | 10.0 | ug/L | 501 | ND | 94.3 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1052 | 50.0 | ug/L | 1000 | ND | 105 | 55-147 | | | |
| Toluene | 521.2 | 10.0 | ug/L | 505 | ND | 103 | 71-133 | | | |
| trans-1,3-Dichloropropene | 459.2 | 10.0 | ug/L | 501 | ND | 91.7 | 63-124 | | | |
| 1,1,2-Trichloroethane | 481.9 | 10.0 | ug/L | 501 | ND | 96.2 | 69-133 | | | |
| Tetrachloroethylene | 494.4 | 10.0 | ug/L | 501 | ND | 98.7 | 70-124 | | | |
| 2-Hexanone (MBK) | 1088 | 50.0 | ug/L | 1000 | ND | 109 | 53-141 | | | |
| Dibromochloromethane | 525.4 | 10.0 | ug/L | 501 | ND | 105 | 74-122 | | | |
| 1,2-Dibromoethane | 511.6 | 10.0 | ug/L | 502 | ND | 102 | 66-127 | | | |
| Chlorobenzene | 488.5 | 10.0 | ug/L | 501 | ND | 97.5 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 493.4 | 10.0 | ug/L | 503 | ND | 98.0 | 77-121 | | | |
| Ethylbenzene | 522.7 | 10.0 | ug/L | 502 | ND | 104 | 73-124 | | | |
| Xylenes, total | 1570 | 20.0 | ug/L | 1510 | ND | 104 | 75-123 | | | |
| Styrene | 532.1 | 10.0 | ug/L | 504 | ND | 106 | 70-120 | | | |
| Bromoform | 523.2 | 10.0 | ug/L | 501 | ND | 104 | 70-124 | | | |
| 1,2,3-Trichloropropane | 482.3 | 10.0 | ug/L | 503 | ND | 95.8 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 922.3 | 50.0 | ug/L | 1000 | ND | 92.2 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 479.1 | 10.0 | ug/L | 501 | ND | 95.6 | 63-126 | | | |
| 1,4-Dichlorobenzene | 464.0 | 10.0 | ug/L | 501 | ND | 92.6 | 72-119 | | | |
| 1,2-Dichlorobenzene | 497.9 | 10.0 | ug/L | 501 | ND | 99.4 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 619.4 | 50.0 | ug/L | 501 | ND | 124 | 49-134 | | | |
| *Surrogate: Dibromofluoromethane* | *478* | | ug/L | *502* | | *95.3* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *478* | | ug/L | *502* | | *95.3* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *476* | | ug/L | *501* | | *95.0* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *476* | | ug/L | *501* | | *95.0* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *500* | | ug/L | *504* | | *99.2* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *500* | | ug/L | *504* | | *99.2* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *503* | | ug/L | *501* | | *100* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *503* | | ug/L | *501* | | *100* | *78-121* | | | |
| **Matrix Spike Dup (1IC1002-MSD1)** | **Source: 1IC0851-01** | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 00:52 | | | | | | | |
| Chloromethane | 269.5 | 10.0 | ug/L | 303 | ND | 88.9 | 61-152 | 2.24 | 26 | |
| Vinyl Chloride | 272.9 | 10.0 | ug/L | 302 | ND | 90.2 | 66-149 | 1.92 | 23 | |
| Bromomethane | 251.1 | 10.0 | ug/L | 301 | ND | 83.4 | 43-171 | 8.17 | 29 | |
| Chloroethane | 268.3 | 10.0 | ug/L | 303 | ND | 88.5 | 69-148 | 1.15 | 25 | |
| Trichlorofluoromethane | 250.3 | 10.0 | ug/L | 303 | ND | 82.6 | 62-163 | 12.2 | 25 | |
| 1,1-Dichloroethylene | 425.5 | 10.0 | ug/L | 501 | ND | 84.9 | 70-148 | 9.81 | 22 | |
| Acetone | 911.3 | 100 | ug/L | 1000 | ND | 91.1 | 45-173 | 9.69 | 30 | |
| Methyl Iodide | 806.9 | 10.0 | ug/L | 1000 | ND | 80.7 | 62-167 | 3.84 | 24 | |
| Carbon Disulfide | 826.1 | 10.0 | ug/L | 1000 | ND | 82.6 | 71-163 | 6.56 | 22 | |
| Methylene Chloride | 369.4 | 50.0 | ug/L | 501 | ND | 73.7 | 69-140 | 8.58 | 19 | |
| Acrylonitrile | 419.4 | 50.0 | ug/L | 502 | ND | 83.5 | 38-147 | 12.5 | 30 | |
| trans-1,2-Dichloroethylene | 420.5 | 10.0 | ug/L | 501 | ND | 84.0 | 69-144 | 10.8 | 22 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1IC1002-MSD1)** | **Source: 1IC0851-01** | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 00:52 | | | | | | | | |
| 1,1-Dichloroethane | 414.5 | 10.0 | ug/L | 501 | ND | 82.7 | 70-138 | 10.7 | 20 | |
| Vinyl Acetate | 1225 | 50.0 | ug/L | 1400 | ND | 87.5 | 58-142 | 11.9 | 24 | |
| cis-1,2-Dichloroethylene | 408.4 | 10.0 | ug/L | 504 | ND | 81.1 | 68-151 | 10.2 | 22 | |
| 2-Butanone (MEK) | 809.1 | 100 | ug/L | 1000 | ND | 80.9 | 50-160 | 1.68 | 23 | |
| Bromochloromethane | 408.2 | 10.0 | ug/L | 504 | ND | 81.0 | 65-143 | 9.07 | 22 | |
| Chloroform | 403.4 | 10.0 | ug/L | 501 | ND | 80.5 | 71-143 | 13.6 | 21 | |
| 1,1,1-Trichloroethane | 448.2 | 10.0 | ug/L | 501 | ND | 89.4 | 63-133 | 6.60 | 23 | |
| Carbon Tetrachloride | 441.4 | 10.0 | ug/L | 501 | ND | 88.1 | 63-142 | 8.63 | 22 | |
| Benzene | 437.8 | 10.0 | ug/L | 504 | ND | 86.8 | 69-133 | 7.54 | 18 | |
| 1,2-Dichloroethane | 428.3 | 10.0 | ug/L | 501 | ND | 85.5 | 63-138 | 9.39 | 20 | |
| Trichloroethylene | 442.6 | 10.0 | ug/L | 501 | ND | 88.4 | 71-133 | 7.48 | 23 | |
| 1,2-Dichloropropane | 422.7 | 10.0 | ug/L | 501 | ND | 84.4 | 69-132 | 10.1 | 20 | |
| Dibromomethane | 420.8 | 10.0 | ug/L | 504 | ND | 83.5 | 70-147 | 13.0 | 22 | |
| Bromodichloromethane | 441.6 | 10.0 | ug/L | 501 | ND | 88.2 | 67-130 | 10.4 | 21 | |
| cis-1,3-Dichloropropene | 421.2 | 10.0 | ug/L | 501 | ND | 84.1 | 61-126 | 8.70 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 920.9 | 50.0 | ug/L | 1000 | ND | 92.1 | 55-147 | 0.423 | 23 | |
| Toluene | 495.5 | 10.0 | ug/L | 505 | ND | 98.2 | 71-133 | 3.33 | 19 | |
| trans-1,3-Dichloropropene | 401.5 | 10.0 | ug/L | 501 | ND | 80.2 | 63-124 | 7.18 | 21 | |
| 1,1,2-Trichloroethane | 417.5 | 10.0 | ug/L | 501 | ND | 83.3 | 69-133 | 7.03 | 19 | |
| Tetrachloroethylene | 479.1 | 10.0 | ug/L | 501 | ND | 95.6 | 70-124 | 4.61 | 24 | |
| 2-Hexanone (MBK) | 979.4 | 50.0 | ug/L | 1000 | ND | 97.9 | 53-141 | 0.894 | 24 | |
| Dibromochloromethane | 467.5 | 10.0 | ug/L | 501 | ND | 93.4 | 74-122 | 6.38 | 21 | |
| 1,2-Dibromoethane | 459.8 | 10.0 | ug/L | 502 | ND | 91.5 | 66-127 | 7.59 | 23 | |
| Chlorobenzene | 453.4 | 10.0 | ug/L | 501 | ND | 90.5 | 76-116 | 5.89 | 21 | |
| 1,1,1,2-Tetrachloroethane | 441.3 | 10.0 | ug/L | 503 | ND | 87.7 | 77-121 | 7.38 | 25 | |
| Ethylbenzene | 503.7 | 10.0 | ug/L | 502 | ND | 100 | 73-124 | 3.82 | 20 | |
| Xylenes, total | 1517 | 20.0 | ug/L | 1510 | ND | 100 | 75-123 | 4.11 | 20 | |
| Styrene | 508.2 | 10.0 | ug/L | 504 | ND | 101 | 70-120 | 4.09 | 23 | |
| Bromoform | 472.1 | 10.0 | ug/L | 501 | ND | 94.2 | 70-124 | 3.62 | 22 | |
| 1,2,3-Trichloropropane | 442.9 | 10.0 | ug/L | 503 | ND | 88.0 | 62-135 | 3.44 | 28 | |
| trans-1,4-Dichloro-2-butene | 907.5 | 50.0 | ug/L | 1000 | ND | 90.8 | 50-120 | 0.867 | 26 | |
| 1,1,2,2-Tetrachloroethane | 475.9 | 10.0 | ug/L | 501 | ND | 95.0 | 63-126 | 5.33 | 24 | |
| 1,4-Dichlorobenzene | 471.1 | 10.0 | ug/L | 501 | ND | 94.0 | 72-119 | 2.89 | 24 | |
| 1,2-Dichlorobenzene | 492.6 | 10.0 | ug/L | 501 | ND | 98.3 | 71-117 | 4.70 | 24 | |
| 1,2-Dibromo-3-chloropropane | 568.8 | 50.0 | ug/L | 501 | ND | 113 | 49-134 | 26.1 | 28 | |
| *Surrogate: Dibromofluoromethane* | *412* | | ug/L | *502* | | *82.1* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *412* | | ug/L | *502* | | *82.1* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *414* | | ug/L | *501* | | *82.8* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *414* | | ug/L | *501* | | *82.8* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *507* | | ug/L | *504* | | *101* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *507* | | ug/L | *504* | | *101* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *486* | | ug/L | *501* | | *96.9* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *486* | | ug/L | *501* | | *96.9* | *78-121* | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1IC1002-MSD2)** | **Source: 1IC0851-21** | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 10:33 | | | | | | | |
| Chloromethane | 288.8 | 10.0 | ug/L | 303 | ND | 95.2 | 61-152 | 1.78 | 26 | |
| Vinyl Chloride | 288.6 | 10.0 | ug/L | 302 | ND | 95.4 | 66-149 | 1.08 | 23 | |
| Bromomethane | 261.0 | 10.0 | ug/L | 301 | ND | 86.6 | 43-171 | 1.39 | 29 | |
| Chloroethane | 279.3 | 10.0 | ug/L | 303 | ND | 92.1 | 69-148 | 2.44 | 25 | |
| Trichlorofluoromethane | 288.9 | 10.0 | ug/L | 303 | ND | 95.3 | 62-163 | 5.59 | 25 | |
| 1,1-Dichloroethylene | 492.7 | 10.0 | ug/L | 501 | ND | 98.3 | 70-148 | 3.20 | 22 | |
| Acetone | 1033 | 100 | ug/L | 1000 | ND | 103 | 45-173 | 10.5 | 30 | |
| Methyl Iodide | 905.7 | 10.0 | ug/L | 1000 | ND | 90.6 | 62-167 | 1.50 | 24 | |
| Carbon Disulfide | 933.6 | 10.0 | ug/L | 1000 | ND | 93.4 | 71-163 | 0.821 | 22 | |
| Methylene Chloride | 436.1 | 50.0 | ug/L | 501 | ND | 87.0 | 69-140 | 0.898 | 19 | |
| Acrylonitrile | 491.3 | 50.0 | ug/L | 502 | ND | 97.9 | 38-147 | 1.76 | 30 | |
| trans-1,2-Dichloroethylene | 487.9 | 10.0 | ug/L | 501 | ND | 97.4 | 69-144 | 2.63 | 22 | |
| 1,1-Dichloroethane | 484.3 | 10.0 | ug/L | 501 | ND | 96.7 | 70-138 | 2.67 | 20 | |
| Vinyl Acetate | 1438 | 50.0 | ug/L | 1400 | ND | 103 | 58-142 | 2.27 | 24 | |
| cis-1,2-Dichloroethylene | 487.4 | 10.0 | ug/L | 504 | ND | 96.8 | 68-151 | 1.22 | 22 | |
| 2-Butanone (MEK) | 898.6 | 100 | ug/L | 1000 | ND | 89.9 | 50-160 | 0.0556 | 23 | |
| Bromochloromethane | 494.7 | 10.0 | ug/L | 504 | ND | 98.2 | 65-143 | 0.629 | 22 | |
| Chloroform | 481.8 | 10.0 | ug/L | 501 | ND | 96.2 | 71-143 | 3.31 | 21 | |
| 1,1,1-Trichloroethane | 498.9 | 10.0 | ug/L | 501 | ND | 99.6 | 63-133 | 1.63 | 23 | |
| Carbon Tetrachloride | 495.0 | 10.0 | ug/L | 501 | ND | 98.8 | 63-142 | 1.60 | 22 | |
| Benzene | 489.0 | 10.0 | ug/L | 504 | ND | 97.0 | 69-133 | 0.429 | 18 | |
| 1,2-Dichloroethane | 513.6 | 10.0 | ug/L | 501 | ND | 103 | 63-138 | 0.468 | 20 | |
| Trichloroethylene | 492.2 | 10.0 | ug/L | 501 | ND | 98.3 | 71-133 | 2.39 | 23 | |
| 1,2-Dichloropropane | 504.8 | 10.0 | ug/L | 501 | ND | 101 | 69-132 | 2.45 | 20 | |
| Dibromomethane | 512.9 | 10.0 | ug/L | 504 | ND | 102 | 70-147 | 1.49 | 22 | |
| Bromodichloromethane | 508.6 | 10.0 | ug/L | 501 | ND | 102 | 67-130 | 0.998 | 21 | |
| cis-1,3-Dichloropropene | 473.3 | 10.0 | ug/L | 501 | ND | 94.5 | 61-126 | 0.254 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 1085 | 50.0 | ug/L | 1000 | ND | 109 | 55-147 | 3.17 | 23 | |
| Toluene | 530.2 | 10.0 | ug/L | 505 | ND | 105 | 71-133 | 1.71 | 19 | |
| trans-1,3-Dichloropropene | 457.3 | 10.0 | ug/L | 501 | ND | 91.3 | 63-124 | 0.415 | 21 | |
| 1,1,2-Trichloroethane | 489.2 | 10.0 | ug/L | 501 | ND | 97.7 | 69-133 | 1.50 | 19 | |
| Tetrachloroethylene | 491.6 | 10.0 | ug/L | 501 | ND | 98.1 | 70-124 | 0.568 | 24 | |
| 2-Hexanone (MBK) | 1108 | 50.0 | ug/L | 1000 | ND | 111 | 53-141 | 1.78 | 24 | |
| Dibromochloromethane | 524.8 | 10.0 | ug/L | 501 | ND | 105 | 74-122 | 0.114 | 21 | |
| 1,2-Dibromoethane | 516.1 | 10.0 | ug/L | 502 | ND | 103 | 66-127 | 0.876 | 23 | |
| Chlorobenzene | 487.5 | 10.0 | ug/L | 501 | ND | 97.3 | 76-116 | 0.205 | 21 | |
| 1,1,1,2-Tetrachloroethane | 479.9 | 10.0 | ug/L | 503 | ND | 95.3 | 77-121 | 2.77 | 25 | |
| Ethylbenzene | 522.3 | 10.0 | ug/L | 502 | ND | 104 | 73-124 | 0.0766 | 20 | |
| Xylenes, total | 1580 | 20.0 | ug/L | 1510 | ND | 105 | 75-123 | 0.686 | 20 | |
| Styrene | 540.0 | 10.0 | ug/L | 504 | ND | 107 | 70-120 | 1.47 | 23 | |
| Bromoform | 537.3 | 10.0 | ug/L | 501 | ND | 107 | 70-124 | 2.66 | 22 | |
| 1,2,3-Trichloropropane | 482.6 | 10.0 | ug/L | 503 | ND | 95.9 | 62-135 | 0.0622 | 28 | |
| trans-1,4-Dichloro-2-butene | 921.4 | 50.0 | ug/L | 1000 | ND | 92.1 | 50-120 | 0.0976 | 26 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1002 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1IC1002-MSD2)** | **Source: 1IC0851-21** | | Prepared: 03/19/25 00:00 Analyzed: 03/20/25 10:33 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 490.7 | 10.0 | ug/L | 501 | ND | 97.9 | 63-126 | 2.39 | 24 | |
| 1,4-Dichlorobenzene | 481.6 | 10.0 | ug/L | 501 | ND | 96.1 | 72-119 | 3.72 | 24 | |
| 1,2-Dichlorobenzene | 507.0 | 10.0 | ug/L | 501 | ND | 101 | 71-117 | 1.81 | 24 | |
| 1,2-Dibromo-3-chloropropane | 602.9 | 50.0 | ug/L | 501 | ND | 120 | 49-134 | 2.70 | 28 | |
| *Surrogate: Dibromofluoromethane* | *470* | | ug/L | *502* | | *93.6* | *57-134* | | | |
| *Surrogate: Dibromofluoromethane* | *470* | | ug/L | *502* | | *93.6* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *462* | | ug/L | *501* | | *92.3* | *53-140* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *462* | | ug/L | *501* | | *92.3* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *495* | | ug/L | *504* | | *98.2* | *86-114* | | | |
| *Surrogate: Toluene-d8* | *495* | | ug/L | *504* | | *98.2* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *497* | | ug/L | *501* | | *99.1* | *80-116* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *497* | | ug/L | *501* | | *99.1* | *78-121* | | | |
| **Batch 1IC1114 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC1114-BLK1)** | | | Prepared: 03/20/25 00:00 Analyzed: 03/21/25 01:15 | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Acetone | <10.0 | 10.0 | ug/L | | | | | | | |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | | | | | | |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | | | | | | |
| 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 | | | | | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1114 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC1114-BLK1)** | | | Prepared: 03/20/25 00:00 Analyzed: 03/21/25 01:15 | | | | | | | |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Ethylbenzene | 1.03 | 1.0 | ug/L | | | | | | | B1 |
| Xylenes, total | 5.89 | 2.0 | ug/L | | | | | | | B1 |
| Styrene | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromoform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *39.4* | | ug/L | *50.2* | | *78.5* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *37.8* | | ug/L | *50.1* | | *75.4* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *52.6* | | ug/L | *50.4* | | *104* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *51.4* | | ug/L | *50.1* | | *103* | *80-116* | | | |
| **LCS (1IC1114-BS1)** | | | Prepared: 03/20/25 00:00 Analyzed: 03/21/25 00:08 | | | | | | | |
| Chloromethane | 26.48 | 1.0 | ug/L | 30.3 | | 87.3 | 63-155 | | | |
| Vinyl Chloride | 28.31 | 1.0 | ug/L | 30.2 | | 93.6 | 70-154 | | | |
| Bromomethane | 26.25 | 1.0 | ug/L | 30.1 | | 87.1 | 52-176 | | | |
| Chloroethane | 27.99 | 1.0 | ug/L | 30.3 | | 92.3 | 72-148 | | | |
| Trichlorofluoromethane | 31.65 | 1.0 | ug/L | 30.3 | | 104 | 70-152 | | | |
| 1,1-Dichloroethylene | 54.63 | 1.0 | ug/L | 50.1 | | 109 | 70-148 | | | |
| Acetone | 130.5 | 10.0 | ug/L | 100 | | 131 | 43-172 | | | |
| Methyl Iodide | 93.28 | 1.0 | ug/L | 100 | | 93.3 | 69-170 | | | |
| Carbon Disulfide | 92.92 | 1.0 | ug/L | 100 | | 92.9 | 72-162 | | | |
| Methylene Chloride | 46.84 | 5.0 | ug/L | 50.1 | | 93.5 | 68-142 | | | |
| trans-1,2-Dichloroethylene | 54.51 | 1.0 | ug/L | 50.1 | | 109 | 66-148 | | | |
| 1,1-Dichloroethane | 54.79 | 1.0 | ug/L | 50.1 | | 109 | 66-143 | | | |
| Vinyl Acetate | 174.0 | 5.0 | ug/L | 140 | | 124 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 55.50 | 1.0 | ug/L | 50.4 | | 110 | 71-149 | | | |
| 2-Butanone (MEK) | 110.4 | 10.0 | ug/L | 100 | | 110 | 52-159 | | | |
| Bromochloromethane | 55.06 | 1.0 | ug/L | 50.4 | | 109 | 69-143 | | | |
| Chloroform | 55.37 | 1.0 | ug/L | 50.1 | | 111 | 69-144 | | | |
| 1,1,1-Trichloroethane | 54.48 | 1.0 | ug/L | 50.1 | | 109 | 62-129 | | | |
| Carbon Tetrachloride | 52.67 | 1.0 | ug/L | 50.1 | | 105 | 63-141 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1114 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS (1IC1114-BS1)** | | | | Prepared: 03/20/25 00:00 Analyzed: 03/21/25 00:08 | | | | | | |
| Benzene | 49.95 | 1.0 | ug/L | 50.4 | | 99.0 | 71-134 | | | |
| 1,2-Dichloroethane | 59.78 | 1.0 | ug/L | 50.1 | | 119 | 72-132 | | | |
| Trichloroethylene | 51.70 | 1.0 | ug/L | 50.1 | | 103 | 71-135 | | | |
| 1,2-Dichloropropane | 54.72 | 1.0 | ug/L | 50.1 | | 109 | 69-136 | | | |
| Dibromomethane | 59.10 | 1.0 | ug/L | 50.4 | | 117 | 73-147 | | | |
| Bromodichloromethane | 57.78 | 1.0 | ug/L | 50.1 | | 115 | 68-129 | | | |
| cis-1,3-Dichloropropene | 57.27 | 1.0 | ug/L | 50.1 | | 114 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 123.9 | 5.0 | ug/L | 100 | | 124 | 58-147 | | | |
| Toluene | 52.89 | 1.0 | ug/L | 50.5 | | 105 | 72-133 | | | |
| trans-1,3-Dichloropropene | 55.76 | 1.0 | ug/L | 50.1 | | 111 | 67-130 | | | |
| 1,1,2-Trichloroethane | 55.56 | 1.0 | ug/L | 50.1 | | 111 | 69-135 | | | |
| Tetrachloroethylene | 48.19 | 1.0 | ug/L | 50.1 | | 96.2 | 69-130 | | | |
| 2-Hexanone (MBK) | 125.7 | 5.0 | ug/L | 100 | | 126 | 55-144 | | | |
| Dibromochloromethane | 56.14 | 1.0 | ug/L | 50.1 | | 112 | 73-127 | | | |
| 1,2-Dibromoethane | 58.21 | 1.0 | ug/L | 50.2 | | 116 | 67-132 | | | |
| Chlorobenzene | 49.80 | 1.0 | ug/L | 50.1 | | 99.4 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 51.70 | 1.0 | ug/L | 50.3 | | 103 | 73-127 | | | |
| Ethylbenzene | 53.92 | 1.0 | ug/L | 50.2 | | 107 | 71-127 | | | |
| Xylenes, total | 168.0 | 2.0 | ug/L | 151 | | 111 | 74-127 | | | |
| Styrene | 54.47 | 1.0 | ug/L | 50.4 | | 108 | 66-126 | | | |
| Bromoform | 58.05 | 1.0 | ug/L | 50.1 | | 116 | 68-130 | | | |
| 1,2,3-Trichloropropane | 52.07 | 1.0 | ug/L | 50.3 | | 103 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 106.7 | 5.0 | ug/L | 100 | | 107 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 52.49 | 1.0 | ug/L | 50.1 | | 105 | 61-131 | | | |
| 1,4-Dichlorobenzene | 48.14 | 1.0 | ug/L | 50.1 | | 96.0 | 70-129 | | | |
| 1,2-Dichlorobenzene | 52.02 | 1.0 | ug/L | 50.1 | | 104 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 63.34 | 5.0 | ug/L | 50.1 | | 126 | 50-143 | | | |
| *Surrogate: Dibromofluoromethane* | *53.6* | | ug/L | *50.2* | | *107* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *55.5* | | ug/L | *50.1* | | *111* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *49.5* | | ug/L | *50.4* | | *98.2* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *51.7* | | ug/L | *50.1* | | *103* | *80-116* | | | |
| **LCS Dup (1IC1114-BSD1)** | | | | Prepared: 03/20/25 00:00 Analyzed: 03/21/25 00:30 | | | | | | |
| Chloromethane | 23.44 | 1.0 | ug/L | 30.3 | | 77.3 | 63-155 | 12.2 | 24 | |
| Vinyl Chloride | 25.44 | 1.0 | ug/L | 30.2 | | 84.1 | 70-154 | 10.7 | 25 | |
| Bromomethane | 25.20 | 1.0 | ug/L | 30.1 | | 83.7 | 52-176 | 4.08 | 27 | |
| Chloroethane | 25.77 | 1.0 | ug/L | 30.3 | | 85.0 | 72-148 | 8.26 | 25 | |
| Trichlorofluoromethane | 29.00 | 1.0 | ug/L | 30.3 | | 95.7 | 70-152 | 8.74 | 26 | |
| 1,1-Dichloroethylene | 51.05 | 1.0 | ug/L | 50.1 | | 102 | 70-148 | 6.78 | 24 | |
| Acetone | 131.0 | 10.0 | ug/L | 100 | | 131 | 43-172 | 0.382 | 30 | |
| Methyl Iodide | 85.49 | 1.0 | ug/L | 100 | | 85.5 | 69-170 | 8.72 | 30 | |
| Carbon Disulfide | 86.03 | 1.0 | ug/L | 100 | | 86.0 | 72-162 | 7.70 | 24 | |
| Methylene Chloride | 44.21 | 5.0 | ug/L | 50.1 | | 88.2 | 68-142 | 5.78 | 21 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1114 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS Dup (1IC1114-BSD1)** | | | | Prepared: 03/20/25 00:00 Analyzed: 03/21/25 00:30 | | | | | | |
| trans-1,2-Dichloroethylene | 51.98 | 1.0 | ug/L | 50.1 | | 104 | 66-148 | 4.75 | 27 | |
| 1,1-Dichloroethane | 52.46 | 1.0 | ug/L | 50.1 | | 105 | 66-143 | 4.34 | 24 | |
| Vinyl Acetate | 167.6 | 5.0 | ug/L | 140 | | 120 | 43-153 | 3.74 | 30 | |
| cis-1,2-Dichloroethylene | 54.24 | 1.0 | ug/L | 50.4 | | 108 | 71-149 | 2.30 | 26 | |
| 2-Butanone (MEK) | 113.2 | 10.0 | ug/L | 100 | | 113 | 52-159 | 2.51 | 27 | |
| Bromochloromethane | 53.02 | 1.0 | ug/L | 50.4 | | 105 | 69-143 | 3.77 | 23 | |
| Chloroform | 53.03 | 1.0 | ug/L | 50.1 | | 106 | 69-144 | 4.32 | 23 | |
| 1,1,1-Trichloroethane | 50.60 | 1.0 | ug/L | 50.1 | | 101 | 62-129 | 7.38 | 24 | |
| Carbon Tetrachloride | 49.07 | 1.0 | ug/L | 50.1 | | 98.0 | 63-141 | 7.08 | 25 | |
| Benzene | 45.04 | 1.0 | ug/L | 50.4 | | 89.3 | 71-134 | 10.3 | 24 | |
| 1,2-Dichloroethane | 55.99 | 1.0 | ug/L | 50.1 | | 112 | 72-132 | 6.55 | 24 | |
| Trichloroethylene | 47.11 | 1.0 | ug/L | 50.1 | | 94.0 | 71-135 | 9.29 | 24 | |
| 1,2-Dichloropropane | 50.04 | 1.0 | ug/L | 50.1 | | 99.9 | 69-136 | 8.93 | 24 | |
| Dibromomethane | 55.65 | 1.0 | ug/L | 50.4 | | 110 | 73-147 | 6.01 | 25 | |
| Bromodichloromethane | 54.13 | 1.0 | ug/L | 50.1 | | 108 | 68-129 | 6.52 | 22 | |
| cis-1,3-Dichloropropene | 52.51 | 1.0 | ug/L | 50.1 | | 105 | 65-134 | 8.67 | 23 | |
| 4-Methyl-2-pentanone (MIBK) | 116.0 | 5.0 | ug/L | 100 | | 116 | 58-147 | 6.57 | 27 | |
| Toluene | 47.18 | 1.0 | ug/L | 50.5 | | 93.5 | 72-133 | 11.4 | 24 | |
| trans-1,3-Dichloropropene | 51.78 | 1.0 | ug/L | 50.1 | | 103 | 67-130 | 7.40 | 24 | |
| 1,1,2-Trichloroethane | 50.54 | 1.0 | ug/L | 50.1 | | 101 | 69-135 | 9.46 | 23 | |
| Tetrachloroethylene | 43.94 | 1.0 | ug/L | 50.1 | | 87.7 | 69-130 | 9.23 | 25 | |
| 2-Hexanone (MBK) | 120.5 | 5.0 | ug/L | 100 | | 120 | 55-144 | 4.28 | 25 | |
| Dibromochloromethane | 55.80 | 1.0 | ug/L | 50.1 | | 111 | 73-127 | 0.607 | 22 | |
| 1,2-Dibromoethane | 56.28 | 1.0 | ug/L | 50.2 | | 112 | 67-132 | 3.37 | 24 | |
| Chlorobenzene | 46.49 | 1.0 | ug/L | 50.1 | | 92.8 | 72-123 | 6.88 | 23 | |
| 1,1,1,2-Tetrachloroethane | 50.03 | 1.0 | ug/L | 50.3 | | 99.4 | 73-127 | 3.28 | 24 | |
| Ethylbenzene | 49.32 | 1.0 | ug/L | 50.2 | | 98.3 | 71-127 | 8.91 | 26 | |
| Xylenes, total | 154.8 | 2.0 | ug/L | 151 | | 102 | 74-127 | 8.14 | 25 | |
| Styrene | 50.91 | 1.0 | ug/L | 50.4 | | 101 | 66-126 | 6.76 | 23 | |
| Bromoform | 53.73 | 1.0 | ug/L | 50.1 | | 107 | 68-130 | 7.73 | 23 | |
| 1,2,3-Trichloropropane | 52.66 | 1.0 | ug/L | 50.3 | | 105 | 63-136 | 1.13 | 24 | |
| trans-1,4-Dichloro-2-butene | 102.1 | 5.0 | ug/L | 100 | | 102 | 54-134 | 4.35 | 27 | |
| 1,1,2,2-Tetrachloroethane | 51.30 | 1.0 | ug/L | 50.1 | | 102 | 61-131 | 2.29 | 29 | |
| 1,4-Dichlorobenzene | 46.48 | 1.0 | ug/L | 50.1 | | 92.7 | 70-129 | 3.51 | 24 | |
| 1,2-Dichlorobenzene | 49.48 | 1.0 | ug/L | 50.1 | | 98.8 | 69-126 | 5.00 | 26 | |
| 1,2-Dibromo-3-chloropropane | 58.43 | 5.0 | ug/L | 50.1 | | 117 | 50-143 | 8.06 | 30 | |
| *Surrogate: Dibromofluoromethane* | *56.0* | | ug/L | *50.2* | | *112* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *59.0* | | ug/L | *50.1* | | *118* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *48.0* | | ug/L | *50.4* | | *95.2* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *53.1* | | ug/L | *50.1* | | *106* | *80-116* | | | |
| **Matrix Spike (1IC1114-MS1)** | **Source: 1IC1317-01** | | | Prepared: 03/20/25 00:00 Analyzed: 03/21/25 07:35 | | | | | | |
| Chloromethane | 273.7 | 10.0 | ug/L | 303 | ND | 90.3 | 61-152 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1114 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1IC1114-MS1)** | **Source: 1IC1317-01** | Prepared: 03/20/25 00:00 Analyzed: 03/21/25 07:35 | | | | | | | | |
| Vinyl Chloride | 287.1 | 10.0 | ug/L | 302 | ND | 94.9 | 66-149 | | | |
| Bromomethane | 259.3 | 10.0 | ug/L | 301 | ND | 86.1 | 43-171 | | | |
| Chloroethane | 282.6 | 10.0 | ug/L | 303 | ND | 93.2 | 69-148 | | | |
| Trichlorofluoromethane | 281.0 | 10.0 | ug/L | 303 | ND | 92.7 | 62-163 | | | |
| 1,1-Dichloroethylene | 473.2 | 10.0 | ug/L | 501 | ND | 94.4 | 70-148 | | | |
| Acetone | 1002 | 100 | ug/L | 1000 | ND | 100 | 45-173 | | | |
| Methyl Iodide | 863.5 | 10.0 | ug/L | 1000 | ND | 86.4 | 62-167 | | | |
| Carbon Disulfide | 883.8 | 10.0 | ug/L | 1000 | ND | 88.4 | 71-163 | | | |
| Methylene Chloride | 428.6 | 50.0 | ug/L | 501 | ND | 85.5 | 69-140 | | | |
| trans-1,2-Dichloroethylene | 464.2 | 10.0 | ug/L | 501 | ND | 92.7 | 69-144 | | | |
| 1,1-Dichloroethane | 459.6 | 10.0 | ug/L | 501 | ND | 91.7 | 70-138 | | | |
| Vinyl Acetate | 1395 | 50.0 | ug/L | 1400 | ND | 99.7 | 58-142 | | | |
| cis-1,2-Dichloroethylene | 452.0 | 10.0 | ug/L | 504 | ND | 89.8 | 68-151 | | | |
| 2-Butanone (MEK) | 823.4 | 100 | ug/L | 1000 | ND | 82.3 | 50-160 | | | |
| Bromochloromethane | 466.1 | 10.0 | ug/L | 504 | ND | 92.5 | 65-143 | | | |
| Chloroform | 451.9 | 10.0 | ug/L | 501 | ND | 90.2 | 71-143 | | | |
| 1,1,1-Trichloroethane | 472.1 | 10.0 | ug/L | 501 | ND | 94.2 | 63-133 | | | |
| Carbon Tetrachloride | 461.4 | 10.0 | ug/L | 501 | ND | 92.1 | 63-142 | | | |
| Benzene | 457.5 | 10.0 | ug/L | 504 | ND | 90.7 | 69-133 | | | |
| 1,2-Dichloroethane | 477.6 | 10.0 | ug/L | 501 | ND | 95.4 | 63-138 | | | |
| Trichloroethylene | 460.8 | 10.0 | ug/L | 501 | ND | 92.0 | 71-133 | | | |
| 1,2-Dichloropropane | 459.7 | 10.0 | ug/L | 501 | ND | 91.8 | 69-132 | | | |
| Dibromomethane | 474.7 | 10.0 | ug/L | 504 | ND | 94.2 | 70-147 | | | |
| Bromodichloromethane | 475.1 | 10.0 | ug/L | 501 | ND | 94.9 | 67-130 | | | |
| cis-1,3-Dichloropropene | 454.2 | 10.0 | ug/L | 501 | ND | 90.7 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1029 | 50.0 | ug/L | 1000 | ND | 103 | 55-147 | | | |
| Toluene | 506.9 | 10.0 | ug/L | 505 | ND | 100 | 71-133 | | | |
| trans-1,3-Dichloropropene | 430.0 | 10.0 | ug/L | 501 | ND | 85.9 | 63-124 | | | |
| 1,1,2-Trichloroethane | 451.6 | 10.0 | ug/L | 501 | ND | 90.2 | 69-133 | | | |
| Tetrachloroethylene | 459.9 | 10.0 | ug/L | 501 | ND | 91.8 | 70-124 | | | |
| 2-Hexanone (MBK) | 1060 | 50.0 | ug/L | 1000 | ND | 106 | 53-141 | | | |
| Dibromochloromethane | 483.9 | 10.0 | ug/L | 501 | ND | 96.6 | 74-122 | | | |
| 1,2-Dibromoethane | 479.5 | 10.0 | ug/L | 502 | ND | 95.5 | 66-127 | | | |
| Chlorobenzene | 459.8 | 10.0 | ug/L | 501 | ND | 91.8 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 442.3 | 10.0 | ug/L | 503 | ND | 87.9 | 77-121 | | | |
| Ethylbenzene | 503.1 | 10.0 | ug/L | 502 | ND | 100 | 73-124 | | | |
| Xylenes, total | 1535 | 20.0 | ug/L | 1510 | ND | 102 | 75-123 | | | |
| Styrene | 518.8 | 10.0 | ug/L | 504 | ND | 103 | 70-120 | | | |
| Bromoform | 478.6 | 10.0 | ug/L | 501 | ND | 95.5 | 70-124 | | | |
| 1,2,3-Trichloropropane | 456.8 | 10.0 | ug/L | 503 | ND | 90.7 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 858.7 | 50.0 | ug/L | 1000 | ND | 85.9 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 450.9 | 10.0 | ug/L | 501 | ND | 90.0 | 63-126 | | | |
| 1,4-Dichlorobenzene | 446.6 | 10.0 | ug/L | 501 | ND | 89.1 | 72-119 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1114 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1IC1114-MS1)** | **Source: 1IC1317-01** | | Prepared: 03/20/25 00:00 Analyzed: 03/21/25 07:35 | | | | | | | |
| 1,2-Dichlorobenzene | 475.3 | 10.0 | ug/L | 501 | ND | 94.9 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 486.8 | 50.0 | ug/L | 501 | ND | 97.1 | 49-134 | | | |
| *Surrogate: Dibromofluoromethane* | *464* | | ug/L | *502* | | *92.5* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *473* | | ug/L | *501* | | *94.4* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *509* | | ug/L | *504* | | *101* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *516* | | ug/L | *501* | | *103* | *80-116* | | | |
| **Matrix Spike Dup (1IC1114-MSD1)** | **Source: 1IC1317-01** | | Prepared: 03/20/25 00:00 Analyzed: 03/21/25 07:57 | | | | | | | |
| Chloromethane | 275.7 | 10.0 | ug/L | 303 | ND | 90.9 | 61-152 | 0.728 | 26 | |
| Vinyl Chloride | 286.0 | 10.0 | ug/L | 302 | ND | 94.5 | 66-149 | 0.384 | 23 | |
| Bromomethane | 267.9 | 10.0 | ug/L | 301 | ND | 88.9 | 43-171 | 3.26 | 29 | |
| Chloroethane | 284.7 | 10.0 | ug/L | 303 | ND | 93.9 | 69-148 | 0.740 | 25 | |
| Trichlorofluoromethane | 288.3 | 10.0 | ug/L | 303 | ND | 95.1 | 62-163 | 2.56 | 25 | |
| 1,1-Dichloroethylene | 487.6 | 10.0 | ug/L | 501 | ND | 97.3 | 70-148 | 3.00 | 22 | |
| Acetone | 1062 | 100 | ug/L | 1000 | ND | 106 | 45-173 | 5.81 | 30 | |
| Methyl Iodide | 884.4 | 10.0 | ug/L | 1000 | ND | 88.4 | 62-167 | 2.39 | 24 | |
| Carbon Disulfide | 914.7 | 10.0 | ug/L | 1000 | ND | 91.5 | 71-163 | 3.44 | 22 | |
| Methylene Chloride | 435.2 | 50.0 | ug/L | 501 | ND | 86.9 | 69-140 | 1.53 | 19 | |
| trans-1,2-Dichloroethylene | 481.5 | 10.0 | ug/L | 501 | ND | 96.1 | 69-144 | 3.66 | 22 | |
| 1,1-Dichloroethane | 486.9 | 10.0 | ug/L | 501 | ND | 97.2 | 70-138 | 5.77 | 20 | |
| Vinyl Acetate | 1498 | 50.0 | ug/L | 1400 | ND | 107 | 58-142 | 7.13 | 24 | |
| cis-1,2-Dichloroethylene | 474.4 | 10.0 | ug/L | 504 | ND | 94.2 | 68-151 | 4.84 | 22 | |
| 2-Butanone (MEK) | 952.9 | 100 | ug/L | 1000 | ND | 95.3 | 50-160 | 14.6 | 23 | |
| Bromochloromethane | 493.5 | 10.0 | ug/L | 504 | ND | 97.9 | 65-143 | 5.71 | 22 | |
| Chloroform | 473.3 | 10.0 | ug/L | 501 | ND | 94.5 | 71-143 | 4.63 | 21 | |
| 1,1,1-Trichloroethane | 488.5 | 10.0 | ug/L | 501 | ND | 97.5 | 63-133 | 3.41 | 23 | |
| Carbon Tetrachloride | 471.4 | 10.0 | ug/L | 501 | ND | 94.1 | 63-142 | 2.14 | 22 | |
| Benzene | 470.9 | 10.0 | ug/L | 504 | ND | 93.4 | 69-133 | 2.89 | 18 | |
| 1,2-Dichloroethane | 508.0 | 10.0 | ug/L | 501 | ND | 101 | 63-138 | 6.17 | 20 | |
| Trichloroethylene | 472.2 | 10.0 | ug/L | 501 | ND | 94.3 | 71-133 | 2.44 | 23 | |
| 1,2-Dichloropropane | 489.7 | 10.0 | ug/L | 501 | ND | 97.8 | 69-132 | 6.32 | 20 | |
| Dibromomethane | 517.0 | 10.0 | ug/L | 504 | ND | 103 | 70-147 | 8.53 | 22 | |
| Bromodichloromethane | 514.5 | 10.0 | ug/L | 501 | ND | 103 | 67-130 | 7.96 | 21 | |
| cis-1,3-Dichloropropene | 478.7 | 10.0 | ug/L | 501 | ND | 95.6 | 61-126 | 5.25 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 1076 | 50.0 | ug/L | 1000 | ND | 108 | 55-147 | 4.39 | 23 | |
| Toluene | 520.0 | 10.0 | ug/L | 505 | ND | 103 | 71-133 | 2.55 | 19 | |
| trans-1,3-Dichloropropene | 474.2 | 10.0 | ug/L | 501 | ND | 94.7 | 63-124 | 9.78 | 21 | |
| 1,1,2-Trichloroethane | 486.9 | 10.0 | ug/L | 501 | ND | 97.2 | 69-133 | 7.52 | 19 | |
| Tetrachloroethylene | 462.1 | 10.0 | ug/L | 501 | ND | 92.2 | 70-124 | 0.477 | 24 | |
| 2-Hexanone (MBK) | 1113 | 50.0 | ug/L | 1000 | ND | 111 | 53-141 | 4.85 | 24 | |
| Dibromochloromethane | 497.6 | 10.0 | ug/L | 501 | ND | 99.4 | 74-122 | 2.79 | 21 | |
| 1,2-Dibromoethane | 506.0 | 10.0 | ug/L | 502 | ND | 101 | 66-127 | 5.38 | 23 | |
| Chlorobenzene | 474.4 | 10.0 | ug/L | 501 | ND | 94.7 | 76-116 | 3.13 | 21 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1114 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1IC1114-MSD1)** | **Source: 1IC1317-01** | | Prepared: 03/20/25 00:00 Analyzed: 03/21/25 07:57 | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 468.2 | 10.0 | ug/L | 503 | ND | 93.0 | 77-121 | 5.69 | 25 | |
| Ethylbenzene | 512.0 | 10.0 | ug/L | 502 | ND | 102 | 73-124 | 1.75 | 20 | |
| Xylenes, total | 1560 | 20.0 | ug/L | 1510 | ND | 103 | 75-123 | 1.61 | 20 | |
| Styrene | 527.2 | 10.0 | ug/L | 504 | ND | 105 | 70-120 | 1.61 | 23 | |
| Bromoform | 507.0 | 10.0 | ug/L | 501 | ND | 101 | 70-124 | 5.76 | 22 | |
| 1,2,3-Trichloropropane | 476.4 | 10.0 | ug/L | 503 | ND | 94.6 | 62-135 | 4.20 | 28 | |
| trans-1,4-Dichloro-2-butene | 941.6 | 50.0 | ug/L | 1000 | ND | 94.2 | 50-120 | 9.21 | 26 | |
| 1,1,2,2-Tetrachloroethane | 488.5 | 10.0 | ug/L | 501 | ND | 97.5 | 63-126 | 8.01 | 24 | |
| 1,4-Dichlorobenzene | 468.1 | 10.0 | ug/L | 501 | ND | 93.4 | 72-119 | 4.70 | 24 | |
| 1,2-Dichlorobenzene | 503.1 | 10.0 | ug/L | 501 | ND | 100 | 71-117 | 5.68 | 24 | |
| 1,2-Dibromo-3-chloropropane | 544.9 | 50.0 | ug/L | 501 | ND | 109 | 49-134 | 11.3 | 28 | |
| *Surrogate: Dibromofluoromethane* | *467* | | ug/L | *502* | | *93.1* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *474* | | ug/L | *501* | | *94.6* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *500* | | ug/L | *504* | | *99.3* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *508* | | ug/L | *501* | | *101* | *80-116* | | | |
| **Batch 1IC1200 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1IC1200-BLK1)** | | | Prepared: 03/24/25 00:00 Analyzed: 03/24/25 15:06 | | | | | | | |
| Allyl chloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroprene | <1.0 | 1.0 | ug/L | | | | | | | |
| Methacrylonitrile | <1.0 | 1.0 | ug/L | | | | | | | |
| Methyl Methacrylate | <1.0 | 1.0 | ug/L | | | | | | | |
| Propionitrile | <10.0 | 10.0 | ug/L | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *54.6* | | ug/L | *50.2* | | *109* | *57-134* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *50.9* | | ug/L | *50.1* | | *102* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *50.0* | | ug/L | *50.4* | | *99.3* | *86-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *47.5* | | ug/L | *50.1* | | *94.8* | *78-121* | | | |
| **LCS (1IC1200-BS1)** | | | Prepared: 03/24/25 00:00 Analyzed: 03/24/25 13:45 | | | | | | | |
| Allyl chloride | 58.92 | 1.0 | ug/L | 50.0 | | 118 | 40-154 | | | |
| Chloroprene | 57.29 | 1.0 | ug/L | 50.0 | | 115 | 57-134 | | | |
| Methacrylonitrile | 52.85 | 1.0 | ug/L | 50.0 | | 106 | 59-124 | | | |
| Methyl Methacrylate | 49.26 | 1.0 | ug/L | 50.0 | | 98.5 | 64-130 | | | |
| Propionitrile | 57.84 | 10.0 | ug/L | 50.0 | | 116 | 32-180 | | | |
| *Surrogate: Dibromofluoromethane* | *52.9* | | ug/L | *50.2* | | *105* | *57-134* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *50.7* | | ug/L | *50.1* | | *101* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *49.3* | | ug/L | *50.4* | | *97.8* | *86-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.3* | | ug/L | *50.1* | | *98.3* | *78-121* | | | |
| **LCS Dup (1IC1200-BSD1)** | | | Prepared: 03/24/25 00:00 Analyzed: 03/24/25 14:08 | | | | | | | |
| Allyl chloride | 57.53 | 1.0 | ug/L | 50.0 | | 115 | 40-154 | 2.39 | 16 | |
| Chloroprene | 54.49 | 1.0 | ug/L | 50.0 | | 109 | 57-134 | 5.01 | 15 | |
| Methacrylonitrile | 48.49 | 1.0 | ug/L | 50.0 | | 97.0 | 59-124 | 8.60 | 17 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1200 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS Dup (1IC1200-BSD1)** | | | | Prepared: 03/24/25 00:00 Analyzed: 03/24/25 14:08 | | | | | | |
| Methyl Methacrylate | 46.60 | 1.0 | ug/L | 50.0 | | 93.2 | 64-130 | 5.55 | 17 | |
| Propionitrile | 52.83 | 10.0 | ug/L | 50.0 | | 106 | 32-180 | 9.05 | 21 | |
| *Surrogate: Dibromofluoromethane* | *52.5* | | ug/L | *50.2* | | *105* | *57-134* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *48.9* | | ug/L | *50.1* | | *97.6* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *49.4* | | ug/L | *50.4* | | *98.1* | *86-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.6* | | ug/L | *50.1* | | *97.0* | *78-121* | | | |
| **Matrix Spike (1IC1200-MS1)** | **Source: 1IC0851-21** | | | Prepared: 03/24/25 00:00 Analyzed: 03/25/25 09:18 | | | | | | |
| Allyl chloride | 513.7 | 10.0 | ug/L | 500 | ND | 103 | 60-140 | | | |
| Chloroprene | 448.8 | 10.0 | ug/L | 500 | ND | 89.8 | 62-121 | | | |
| Methacrylonitrile | 534.2 | 10.0 | ug/L | 500 | ND | 107 | 60-140 | | | |
| Methyl Methacrylate | 491.7 | 10.0 | ug/L | 500 | ND | 98.3 | 60-140 | | | |
| Propionitrile | 552.8 | 100 | ug/L | 500 | ND | 111 | 60-140 | | | |
| *Surrogate: Dibromofluoromethane* | *521* | | ug/L | *502* | | *104* | *57-134* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *510* | | ug/L | *501* | | *102* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *495* | | ug/L | *504* | | *98.3* | *86-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *492* | | ug/L | *501* | | *98.2* | *78-121* | | | |
| **Matrix Spike Dup (1IC1200-MSD1)** | **Source: 1IC0851-21** | | | Prepared: 03/24/25 00:00 Analyzed: 03/25/25 10:47 | | | | | | |
| Allyl chloride | 551.3 | 10.0 | ug/L | 500 | ND | 110 | 60-140 | 7.06 | 30 | |
| Chloroprene | 521.9 | 10.0 | ug/L | 500 | ND | 104 | 62-121 | 15.1 | 30 | |
| Methacrylonitrile | 469.7 | 10.0 | ug/L | 500 | ND | 93.9 | 60-140 | 12.8 | 30 | |
| Methyl Methacrylate | 496.6 | 10.0 | ug/L | 500 | ND | 99.3 | 60-140 | 0.992 | 30 | |
| Propionitrile | 520.9 | 100 | ug/L | 500 | ND | 104 | 60-140 | 5.94 | 30 | |
| *Surrogate: Dibromofluoromethane* | *536* | | ug/L | *502* | | *107* | *57-134* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *508* | | ug/L | *501* | | *102* | *53-140* | | | |
| *Surrogate: Toluene-d8* | *500* | | ug/L | *504* | | *99.3* | *86-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *508* | | ug/L | *501* | | *101* | *78-121* | | | |

| Determination of General Solvents | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1088 - Semi-Vol GC - EPA 8015C** | | | | | | | | | | |
| **Blank (1IC1088-BLK1)** | | | | Prepared: 03/21/25 11:47 Analyzed: 03/22/25 23:21 | | | | | | |
| Isobutanol | <1.0 | 1.0 | mg/L | | | | | | | |
| **Blank (1IC1088-BLK2)** | | | | Prepared: 03/21/25 11:47 Analyzed: 03/23/25 11:24 | | | | | | |
| Isobutanol | <1.0 | 1.0 | mg/L | | | | | | | |
| **LCS (1IC1088-BS1)** | | | | Prepared: 03/21/25 11:47 Analyzed: 03/22/25 19:32 | | | | | | |
| Isobutanol | 24.07 | 1.0 | mg/L | 24.0 | | 100 | 77-128 | | | |
| **Matrix Spike (1IC1088-MS1)** | **Source: 1IC0851-01** | | | Prepared: 03/21/25 11:47 Analyzed: 03/23/25 06:20 | | | | | | |
| Isobutanol | 25.21 | 1.0 | mg/L | 24.0 | ND | 105 | 63-135 | | | |
| **Matrix Spike Dup (1IC1088-MSD1)** | **Source: 1IC0851-01** | | | Prepared: 03/21/25 11:47 Analyzed: 03/23/25 06:58 | | | | | | |

| Determination of General Solvents | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1088 - Semi-Vol GC - EPA 8015C** | | | | | | | | | | |
| **Matrix Spike Dup (1IC1088-MSD1)** | **Source: 1IC0851-01** | | Prepared: 03/21/25 11:47 Analyzed: 03/23/25 06:58 | | | | | | | |
| Isobutanol | 25.27 | 1.0 | mg/L | 24.0 | ND | 105 | 63-135 | 0.238 | 30 | |

| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0804 - EPA 625 BNA - EPA 8270C** | | | | | | | | | | |
| **Blank (1IC0804-BLK1)** | | | Prepared: 03/17/25 15:38 Analyzed: 03/20/25 16:26 | | | | | | | |
| Bis(2-Ethylhexyl) Phthalate | <6 | 6 | ug/L | | | | | | | |
| *Surrogate: Nitrobenzene-d5* | *14.7* | | ug/L | *20.6* | | *71.6* | *20-149* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *15.1* | | ug/L | *19.5* | | *77.4* | *11-146* | | | |
| *Surrogate: Terphenyl-dl4* | *19.0* | | ug/L | *20.6* | | *92.4* | *27-155* | | | |
| **LCS (1IC0804-BS1)** | | | Prepared: 03/17/25 15:38 Analyzed: 03/20/25 16:50 | | | | | | | |
| Bis(2-Ethylhexyl) Phthalate | 8.6 | 6 | ug/L | 10.0 | | 86.1 | 27-186 | | | |
| *Surrogate: Nitrobenzene-d5* | *15.8* | | ug/L | *20.6* | | *76.7* | *31-137* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *15.4* | | ug/L | *19.5* | | *78.9* | *29-131* | | | |
| *Surrogate: Terphenyl-dl4* | *18.8* | | ug/L | *20.6* | | *91.1* | *30-142* | | | |
| **LCS Dup (1IC0804-BSD1)** | | | Prepared: 03/17/25 15:38 Analyzed: 03/20/25 17:14 | | | | | | | |
| Bis(2-Ethylhexyl) Phthalate | 10.1 | 6 | ug/L | 10.0 | | 101 | 27-186 | 15.5 | 30 | |
| *Surrogate: Nitrobenzene-d5* | *15.7* | | ug/L | *20.6* | | *76.4* | *31-137* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *16.4* | | ug/L | *19.5* | | *83.9* | *29-131* | | | |
| *Surrogate: Terphenyl-dl4* | *19.2* | | ug/L | *20.6* | | *93.0* | *30-142* | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0791 - 3520C BNA Cont Liq - EPA 8270C** | | | | | | | | | | |
| **Blank (1IC0791-BLK1)** | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 16:38 | | | | | | | |
| N-Nitrosodimethylamine | <8 | 8 | ug/L | | | | | | | |
| Methyl Methanesulfonate | <8 | 8 | ug/L | | | | | | | |
| N-Nitrosodiethylamine | <8 | 8 | ug/L | | | | | | | |
| N-Nitrosomethylethylamine | <8 | 8 | ug/L | | | | | | | |
| Ethyl Methanesulfonate | <8 | 8 | ug/L | | | | | | | |
| Phenol | <8 | 8 | ug/L | | | | | | | |
| Bis(2-Chloroethyl) Ether | <8 | 8 | ug/L | | | | | | | |
| 2-Chlorophenol | <8 | 8 | ug/L | | | | | | | |
| Benzyl Alcohol | <8 | 8 | ug/L | | | | | | | |
| 2-Methylphenol (o-Cresol) | <8 | 8 | ug/L | | | | | | | |
| Bis[2-Chloroisopropyl]ether | <8 | 8 | ug/L | | | | | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0791 - 3520C BNA Cont Liq - EPA 8270C** | | | | | | | | | | |
| **Blank (1IC0791-BLK1)** | | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 16:38 | | | | | | |
| n-Nitroso-di-n-propylamine | <8 | 8 | ug/L | | | | | | | |
| N-Nitrosopyrrolidine | <8 | 8 | ug/L | | | | | | | |
| Acetophenone | <8 | 8 | ug/L | | | | | | | |
| o-Toluidine | <8 | 8 | ug/L | | | | | | | |
| (3 & 4)-Methylphenol | <8 | 8 | ug/L | | | | | | | |
| Hexachloroethane | <8 | 8 | ug/L | | | | | | | |
| Nitrobenzene | <8 | 8 | ug/L | | | | | | | |
| N-Nitrosopiperidine | <8 | 8 | ug/L | | | | | | | |
| Isophorone | <8 | 8 | ug/L | | | | | | | |
| 2-Nitrophenol | <8 | 8 | ug/L | | | | | | | |
| 2,4-Dimethylphenol | <8 | 8 | ug/L | | | | | | | |
| Bis (2-Chloroethoxy) Methane | <8 | 8 | ug/L | | | | | | | |
| 2,4-Dichlorophenol | <8 | 8 | ug/L | | | | | | | |
| Naphthalene | <8 | 8 | ug/L | | | | | | | |
| 4-Chloroaniline | <8 | 8 | ug/L | | | | | | | |
| 2,6-Dichlorophenol | <8 | 8 | ug/L | | | | | | | |
| Hexachloropropene | <8 | 8 | ug/L | | | | | | | |
| Hexachlorobutadiene | <8 | 8 | ug/L | | | | | | | |
| N-Nitrosodi-n-butylamine | <8 | 8 | ug/L | | | | | | | |
| 1,4-Phenylenediamine | <8 | 8 | ug/L | | | | | | | |
| 4-Chloro-3-methylphenol | <8 | 8 | ug/L | | | | | | | |
| 2-Methylnaphthalene | <8 | 8 | ug/L | | | | | | | |
| Isosafrole | <8 | 8 | ug/L | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | <8 | 8 | ug/L | | | | | | | |
| Hexachlorocyclopentadiene | <8 | 8 | ug/L | | | | | | | |
| 2,4,6-Trichlorophenol | <8 | 8 | ug/L | | | | | | | |
| 2,4,5-Trichlorophenol | <8 | 8 | ug/L | | | | | | | |
| Safrole | <8 | 8 | ug/L | | | | | | | |
| 2-Chloronaphthalene | <8 | 8 | ug/L | | | | | | | |
| 2-Nitroaniline | <8 | 8 | ug/L | | | | | | | |
| 1,4-Naphthoquinone | <8 | 8 | ug/L | | | | | | | |
| Dimethylphthalate | <8 | 8 | ug/L | | | | | | | |
| 1,3-Dinitrobenzene | <8 | 8 | ug/L | | | | | | | |
| 1,2-Dinitrobenzene | <8 | 8 | ug/L | | | | | | | |
| 2,6-Dinitrotoluene | <8 | 8 | ug/L | | | | | | | |
| Acenaphthylene | <8 | 8 | ug/L | | | | | | | |
| 3-Nitroaniline | <8 | 8 | ug/L | | | | | | | |
| Acenaphthene | <8 | 8 | ug/L | | | | | | | |
| 2,4-Dinitrophenol | <8 | 8 | ug/L | | | | | | | |
| 4-Nitrophenol | <8 | 8 | ug/L | | | | | | | |
| Dibenzofuran | <8 | 8 | ug/L | | | | | | | |
| 2,4-Dinitrotoluene | <8 | 8 | ug/L | | | | | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0791 - 3520C BNA Cont Liq - EPA 8270C** | | | | | | | | | | |
| **Blank (1IC0791-BLK1)** | | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 16:38 | | | | | | |
| 2,3,4,6-Tetrachlorophenol | <8 | 8 | ug/L | | | | | | | |
| Pentachlorobenzene | <8 | 8 | ug/L | | | | | | | |
| 1-Naphthylamine | <8 | 8 | ug/L | | | | | | | |
| 2-Naphthylamine | <8 | 8 | ug/L | | | | | | | |
| Diethyl Phthalate | <8 | 8 | ug/L | | | | | | | |
| Fluorene | <8 | 8 | ug/L | | | | | | | |
| 4-Chlorophenyl Phenyl Ether | <8 | 8 | ug/L | | | | | | | |
| 4-Nitroaniline | <8 | 8 | ug/L | | | | | | | |
| 5-Nitro-o-toluidine | <8 | 8 | ug/L | | | | | | | |
| 4,6-Dinitro-2-methylphenol | <8 | 8 | ug/L | | | | | | | |
| N-Nitrosodiphenylamine | <8 | 8 | ug/L | | | | | | | |
| Diphenylamine | <8 | 8 | ug/L | | | | | | | |
| Azobenzene | <8 | 8 | ug/L | | | | | | | |
| Diallate | <8 | 8 | ug/L | | | | | | | |
| 1,3,5-Trinitrobenzene | <8 | 8 | ug/L | | | | | | | |
| Phenacetin | <8 | 8 | ug/L | | | | | | | |
| 4-Bromophenyl Phenyl Ether | <8 | 8 | ug/L | | | | | | | |
| 4-Aminobiphenyl | <8 | 8 | ug/L | | | | | | | |
| Pentachlorophenol | <8 | 8 | ug/L | | | | | | | |
| Pronamide | <8 | 8 | ug/L | | | | | | | |
| Pentachloronitrobenzene (PCNB) | <8 | 8 | ug/L | | | | | | | |
| Phenanthrene | <8 | 8 | ug/L | | | | | | | |
| Anthracene | <8 | 8 | ug/L | | | | | | | |
| Di-n-butyl Phthalate | <8 | 8 | ug/L | | | | | | | |
| Methapyrilene | <8 | 8 | ug/L | | | | | | | |
| Fluoranthene | <8 | 8 | ug/L | | | | | | | |
| Isodrin | <8 | 8 | ug/L | | | | | | | |
| Chlorobenzilate | <8 | 8 | ug/L | | | | | | | |
| Pyrene | <8 | 8 | ug/L | | | | | | | |
| p-(Dimethylamino)azobenzene | <8 | 8 | ug/L | | | | | | | |
| 3,3-Dimethylbenzidine | <8 | 8 | ug/L | | | | | | | |
| Butyl Benzyl Phthalate | <8 | 8 | ug/L | | | | | | | |
| Benzo(a)anthracene | <8 | 8 | ug/L | | | | | | | |
| Chrysene | <8 | 8 | ug/L | | | | | | | |
| Bis(2-Ethylhexyl) Phthalate | <6 | 6 | ug/L | | | | | | | |
| Kepone | <8 | 8 | ug/L | | | | | | | |
| 3,3´-Dichlorobenzidine | <8 | 8 | ug/L | | | | | | | |
| 2-Acetylaminofluorene | <8 | 8 | ug/L | | | | | | | |
| Di-n-octyl Phthalate | <8 | 8 | ug/L | | | | | | | |
| Benzo(b)Fluoranthene | <8 | 8 | ug/L | | | | | | | |
| 7,12-Dimethylbenz [a] anthracene | <8 | 8 | ug/L | | | | | | | |
| Benzo(k)Fluoranthene | <8 | 8 | ug/L | | | | | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0791 - 3520C BNA Cont Liq - EPA 8270C** | | | | | | | | | | |
| **Blank (1IC0791-BLK1)** | | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 16:38 | | | | | | |
| Benzo(a)Pyrene | <8 | 8 | ug/L | | | | | | | |
| 3-Methylcholanthrene | <8 | 8 | ug/L | | | | | | | |
| Dibenzo(a,h)anthracene | <8 | 8 | ug/L | | | | | | | |
| Indeno(1,2,3-cd)Pyrene | <8 | 8 | ug/L | | | | | | | |
| Benzo(g,h,i)perylene | <8 | 8 | ug/L | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *13.1* | | ug/L | *20.6* | | *63.5* | *10-149* | | | |
| *Surrogate: Phenol-d6* | *12.8* | | ug/L | *19.6* | | *65.4* | *10-143* | | | |
| *Surrogate: Nitrobenzene-d5* | *13.9* | | ug/L | *20.6* | | *67.7* | *20-149* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *14.0* | | ug/L | *19.5* | | *71.6* | *11-146* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *16.6* | | ug/L | *20.0* | | *82.8* | *10-153* | | | |
| *Surrogate: Terphenyl-dl4* | *17.6* | | ug/L | *20.6* | | *85.3* | *27-155* | | | |
| **LCS (1IC0791-BS1)** | | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 17:03 | | | | | | |
| N-Nitrosodimethylamine | <8 | 8 | ug/L | 10.0 | | 69.6 | 22-124 | | | |
| Methyl Methanesulfonate | <8 | 8 | ug/L | 10.0 | | 71.5 | 25-115 | | | |
| N-Nitrosodiethylamine | <8 | 8 | ug/L | 10.0 | | 72.7 | 19-133 | | | |
| N-Nitrosomethylethylamine | <8 | 8 | ug/L | 10.0 | | 70.4 | 10-149 | | | |
| Ethyl Methanesulfonate | <8 | 8 | ug/L | 10.0 | | 74.7 | 29-118 | | | |
| Phenol | <8 | 8 | ug/L | 10.0 | | 72.0 | 19-130 | | | |
| Bis(2-Chloroethyl) Ether | <8 | 8 | ug/L | 10.0 | | 74.7 | 23-131 | | | |
| 2-Chlorophenol | <8 | 8 | ug/L | 10.0 | | 73.6 | 20-159 | | | |
| Benzyl Alcohol | <8 | 8 | ug/L | 10.0 | | 56.3 | 17-138 | | | |
| 2-Methylphenol (o-Cresol) | <8 | 8 | ug/L | 10.0 | | 76.5 | 29-130 | | | |
| Bis[2-Chloroisopropyl]ether | <8 | 8 | ug/L | 10.0 | | 75.2 | 29-121 | | | |
| n-Nitroso-di-n-propylamine | <8 | 8 | ug/L | 10.0 | | 76.0 | 33-130 | | | |
| N-Nitrosopyrrolidine | 8.2 | 8 | ug/L | 10.0 | | 82.2 | 24-135 | | | |
| Acetophenone | <8 | 8 | ug/L | 10.0 | | 76.3 | 35-129 | | | |
| o-Toluidine | <8 | 8 | ug/L | 10.0 | | 69.1 | 10-119 | | | |
| (3 & 4)-Methylphenol | <8 | 8 | ug/L | 10.0 | | 74.0 | 27-136 | | | |
| Hexachloroethane | <8 | 8 | ug/L | 10.0 | | 66.4 | 18-88 | | | |
| Nitrobenzene | <8 | 8 | ug/L | 10.0 | | 77.5 | 32-133 | | | |
| N-Nitrosopiperidine | <8 | 8 | ug/L | 10.0 | | 76.6 | 24-134 | | | |
| Isophorone | <8 | 8 | ug/L | 10.0 | | 77.2 | 37-131 | | | |
| 2-Nitrophenol | <8 | 8 | ug/L | 10.0 | | 73.9 | 41-127 | | | |
| 2,4-Dimethylphenol | <8 | 8 | ug/L | 10.0 | | 75.2 | 34-133 | | | |
| Bis (2-Chloroethoxy) Methane | <8 | 8 | ug/L | 10.0 | | 60.1 | 29-117 | | | |
| 2,4-Dichlorophenol | <8 | 8 | ug/L | 10.0 | | 76.8 | 41-134 | | | |
| Naphthalene | <8 | 8 | ug/L | 10.0 | | 71.4 | 31-107 | | | |
| 2,6-Dichlorophenol | <8 | 8 | ug/L | 10.0 | | 77.7 | 21-151 | | | |
| Hexachloropropene | <8 | 8 | ug/L | 10.0 | | 36.5 | 19-70 | | | |
| Hexachlorobutadiene | <8 | 8 | ug/L | 10.0 | | 63.5 | 12-100 | | | |
| N-Nitrosodi-n-butylamine | <8 | 8 | ug/L | 10.0 | | 70.1 | 13-144 | | | |
| 4-Chloro-3-methylphenol | <8 | 8 | ug/L | 10.0 | | 78.8 | 46-141 | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0791 - 3520C BNA Cont Liq - EPA 8270C** | | | | | | | | | | |
| **LCS (1IC0791-BS1)** | | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 17:03 | | | | | | |
| 2-Methylnaphthalene | <8 | 8 | ug/L | 10.0 | | 71.8 | 35-110 | | | |
| Isosafrole | <8 | 8 | ug/L | 10.0 | | 67.3 | 38-122 | | | |
| 1,2,4,5-Tetrachlorobenzene | <8 | 8 | ug/L | 10.0 | | 58.7 | 31-102 | | | |
| Hexachlorocyclopentadiene | <8 | 8 | ug/L | 10.0 | | 62.0 | 10-113 | | | |
| 2,4,6-Trichlorophenol | <8 | 8 | ug/L | 10.0 | | 76.9 | 41-146 | | | |
| 2,4,5-Trichlorophenol | 8.2 | 8 | ug/L | 10.0 | | 81.7 | 45-149 | | | |
| Safrole | <8 | 8 | ug/L | 10.0 | | 65.5 | 36-122 | | | |
| 2-Chloronaphthalene | <8 | 8 | ug/L | 10.0 | | 70.5 | 20-146 | | | |
| 2-Nitroaniline | <8 | 8 | ug/L | 10.0 | | 71.6 | 38-149 | | | |
| 1,4-Naphthoquinone | <8 | 8 | ug/L | 10.0 | | 75.5 | 45-170 | | | |
| Dimethylphthalate | 8.1 | 8 | ug/L | 10.0 | | 80.8 | 40-149 | | | |
| 1,3-Dinitrobenzene | 8.1 | 8 | ug/L | 10.0 | | 81.1 | 30-171 | | | |
| 1,2-Dinitrobenzene | 8.0 | 8 | ug/L | 10.0 | | 79.9 | 35-159 | | | |
| 2,6-Dinitrotoluene | 8.0 | 8 | ug/L | 10.0 | | 80.5 | 40-148 | | | |
| Acenaphthylene | <8 | 8 | ug/L | 10.0 | | 68.0 | 35-128 | | | |
| Acenaphthene | <8 | 8 | ug/L | 10.0 | | 72.4 | 34-132 | | | |
| 2,4-Dinitrophenol | 9.6 | 8 | ug/L | 10.0 | | 95.5 | 27-165 | | | |
| 4-Nitrophenol | 8.1 | 8 | ug/L | 10.0 | | 81.0 | 35-159 | | | |
| Dibenzofuran | <8 | 8 | ug/L | 10.0 | | 76.0 | 37-136 | | | |
| 2,4-Dinitrotoluene | 8.3 | 8 | ug/L | 10.0 | | 82.8 | 42-154 | | | |
| 2,3,4,6-Tetrachlorophenol | 8.8 | 8 | ug/L | 10.0 | | 87.6 | 29-163 | | | |
| Pentachlorobenzene | <8 | 8 | ug/L | 10.0 | | 71.0 | 53-128 | | | |
| Diethyl Phthalate | 8.6 | 8 | ug/L | 10.0 | | 85.6 | 39-156 | | | |
| Fluorene | <8 | 8 | ug/L | 10.0 | | 76.3 | 34-139 | | | |
| 4-Chlorophenyl Phenyl Ether | <8 | 8 | ug/L | 10.0 | | 76.3 | 39-138 | | | |
| 4,6-Dinitro-2-methylphenol | <8 | 8 | ug/L | 10.0 | | 69.4 | 36-161 | | | |
| N-Nitrosodiphenylamine | <8 | 8 | ug/L | 10.0 | | 26.7 | 56-108 | | | Q3 |
| Diphenylamine | <8 | 8 | ug/L | 10.0 | | 26.7 | 20-160 | | | |
| Azobenzene | <8 | 8 | ug/L | 10.0 | | 67.4 | 31-153 | | | |
| Diallate | 8.4 | 8 | ug/L | 10.0 | | 83.9 | 43-167 | | | |
| 1,3,5-Trinitrobenzene | 8.6 | 8 | ug/L | 10.0 | | 85.5 | 50-167 | | | |
| Phenacetin | 8.6 | 8 | ug/L | 10.0 | | 86.4 | 55-146 | | | |
| 4-Bromophenyl Phenyl Ether | <8 | 8 | ug/L | 10.0 | | 79.3 | 31-156 | | | |
| Pentachlorophenol | 10.0 | 8 | ug/L | 10.0 | | 100 | 13-159 | | | |
| Pronamide | <8 | 8 | ug/L | 10.0 | | 57.9 | 53-139 | | | |
| Pentachloronitrobenzene (PCNB) | 8.4 | 8 | ug/L | 10.0 | | 84.1 | 56-165 | | | |
| Phenanthrene | 8.2 | 8 | ug/L | 10.0 | | 81.6 | 35-147 | | | |
| Anthracene | <8 | 8 | ug/L | 10.0 | | 74.1 | 36-146 | | | |
| Di-n-butyl Phthalate | 8.5 | 8 | ug/L | 10.0 | | 85.4 | 37-164 | | | |
| Fluoranthene | 8.4 | 8 | ug/L | 10.0 | | 84.4 | 38-155 | | | |
| Isodrin | 8.1 | 8 | ug/L | 10.0 | | 80.6 | 34-148 | | | |
| Chlorobenzilate | <8 | 8 | ug/L | 10.0 | | 60.4 | 60-136 | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0791 - 3520C BNA Cont Liq - EPA 8270C** | | | | | | | | | | |
| **LCS (1IC0791-BS1)** | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 17:03 | | | | | | | |
| Pyrene | 8.0 | 8 | ug/L | 10.0 | | 80.2 | 37-157 | | | |
| Butyl Benzyl Phthalate | 8.2 | 8 | ug/L | 10.0 | | 81.9 | 52-150 | | | |
| Benzo(a)anthracene | <8 | 8 | ug/L | 10.0 | | 79.4 | 39-149 | | | |
| Chrysene | 8.3 | 8 | ug/L | 10.0 | | 83.2 | 39-149 | | | |
| Bis(2-Ethylhexyl) Phthalate | 10.5 | 6 | ug/L | 10.0 | | 105 | 27-186 | | | |
| 2-Acetylaminofluorene | 12.3 | 8 | ug/L | 10.0 | | 123 | 20-171 | | | |
| Di-n-octyl Phthalate | 14.4 | 8 | ug/L | 10.0 | | 144 | 39-171 | | | |
| Benzo(b)Fluoranthene | 13.3 | 8 | ug/L | 10.0 | | 133 | 39-165 | | | |
| 7,12-Dimethylbenz [a] anthracene | 8.9 | 8 | ug/L | 10.0 | | 89.4 | 22-155 | | | |
| Benzo(k)Fluoranthene | 13.4 | 8 | ug/L | 10.0 | | 134 | 41-160 | | | |
| Benzo(a)Pyrene | 10.7 | 8 | ug/L | 10.0 | | 107 | 37-151 | | | |
| 3-Methylcholanthrene | <8 | 8 | ug/L | 10.0 | | 34.2 | 28-140 | | | |
| Dibenzo(a,h)anthracene | 13.3 | 8 | ug/L | 10.0 | | 133 | 17-178 | | | |
| Indeno(1,2,3-cd)Pyrene | 12.5 | 8 | ug/L | 10.0 | | 125 | 18-176 | | | |
| Benzo(g,h,i)perylene | 12.2 | 8 | ug/L | 10.0 | | 122 | 11-179 | | | |
| *Surrogate: 2-Fluorophenol* | *14.2* | | ug/L | *20.6* | | *69.0* | *10-149* | | | |
| *Surrogate: Phenol-d6* | *14.1* | | ug/L | *19.6* | | *71.9* | *10-143* | | | |
| *Surrogate: Nitrobenzene-d5* | *15.5* | | ug/L | *20.6* | | *75.2* | *31-137* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *14.2* | | ug/L | *19.5* | | *72.7* | *29-131* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *17.9* | | ug/L | *20.0* | | *89.1* | *10-153* | | | |
| *Surrogate: Terphenyl-dl4* | *17.8* | | ug/L | *20.6* | | *86.2* | *30-142* | | | |
| **LCS Dup (1IC0791-BSD1)** | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 17:27 | | | | | | | |
| N-Nitrosodimethylamine | <8 | 8 | ug/L | 10.0 | | 72.7 | 22-124 | 4.36 | 27 | |
| Methyl Methanesulfonate | <8 | 8 | ug/L | 10.0 | | 74.6 | 25-115 | 4.24 | 16 | |
| N-Nitrosodiethylamine | <8 | 8 | ug/L | 10.0 | | 73.1 | 19-133 | 0.549 | 30 | |
| N-Nitrosomethylethylamine | <8 | 8 | ug/L | 10.0 | | 70.4 | 10-149 | 0.00 | 30 | |
| Ethyl Methanesulfonate | <8 | 8 | ug/L | 10.0 | | 74.8 | 29-118 | 0.134 | 17 | |
| Phenol | <8 | 8 | ug/L | 10.0 | | 74.3 | 19-130 | 3.14 | 30 | |
| Bis(2-Chloroethyl) Ether | <8 | 8 | ug/L | 10.0 | | 75.6 | 23-131 | 1.20 | 24 | |
| 2-Chlorophenol | <8 | 8 | ug/L | 10.0 | | 75.6 | 20-159 | 2.68 | 30 | |
| Benzyl Alcohol | <8 | 8 | ug/L | 10.0 | | 42.2 | 17-138 | 28.6 | 30 | |
| 2-Methylphenol (o-Cresol) | <8 | 8 | ug/L | 10.0 | | 78.2 | 29-130 | 2.20 | 30 | |
| Bis[2-Chloroisopropyl]ether | <8 | 8 | ug/L | 10.0 | | 78.0 | 29-121 | 3.66 | 26 | |
| n-Nitroso-di-n-propylamine | <8 | 8 | ug/L | 10.0 | | 77.3 | 33-130 | 1.70 | 21 | |
| N-Nitrosopyrrolidine | <8 | 8 | ug/L | 10.0 | | 77.5 | 24-135 | 5.89 | 30 | |
| Acetophenone | <8 | 8 | ug/L | 10.0 | | 78.8 | 35-129 | 3.22 | 22 | |
| o-Toluidine | <8 | 8 | ug/L | 10.0 | | 72.1 | 10-119 | 4.25 | 30 | |
| (3 & 4)-Methylphenol | <8 | 8 | ug/L | 10.0 | | 77.2 | 27-136 | 4.23 | 30 | |
| Hexachloroethane | <8 | 8 | ug/L | 10.0 | | 69.7 | 18-88 | 4.85 | 30 | |
| Nitrobenzene | 8.1 | 8 | ug/L | 10.0 | | 80.6 | 32-133 | 3.92 | 26 | |
| N-Nitrosopiperidine | <8 | 8 | ug/L | 10.0 | | 75.6 | 24-134 | 1.31 | 30 | |
| Isophorone | <8 | 8 | ug/L | 10.0 | | 77.4 | 37-131 | 0.259 | 28 | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0791 - 3520C BNA Cont Liq - EPA 8270C** | | | | | | | | | | |
| **LCS Dup (1IC0791-BSD1)** | | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 17:27 | | | | | | |
| 2-Nitrophenol | <8 | 8 | ug/L | 10.0 | | 76.8 | 41-127 | 3.85 | 30 | |
| 2,4-Dimethylphenol | <8 | 8 | ug/L | 10.0 | | 77.3 | 34-133 | 2.75 | 30 | |
| Bis (2-Chloroethoxy) Methane | <8 | 8 | ug/L | 10.0 | | 67.0 | 29-117 | 10.9 | 30 | |
| 2,4-Dichlorophenol | <8 | 8 | ug/L | 10.0 | | 79.0 | 41-134 | 2.82 | 30 | |
| Naphthalene | <8 | 8 | ug/L | 10.0 | | 72.6 | 31-107 | 1.67 | 30 | |
| 2,6-Dichlorophenol | 8.1 | 8 | ug/L | 10.0 | | 81.0 | 21-151 | 4.16 | 30 | |
| Hexachloropropene | <8 | 8 | ug/L | 10.0 | | 40.0 | 19-70 | 9.15 | 30 | |
| Hexachlorobutadiene | <8 | 8 | ug/L | 10.0 | | 65.5 | 12-100 | 3.10 | 30 | |
| N-Nitrosodi-n-butylamine | <8 | 8 | ug/L | 10.0 | | 68.5 | 13-144 | 2.31 | 30 | |
| 4-Chloro-3-methylphenol | <8 | 8 | ug/L | 10.0 | | 77.4 | 46-141 | 1.79 | 30 | |
| 2-Methylnaphthalene | <8 | 8 | ug/L | 10.0 | | 73.3 | 35-110 | 2.07 | 30 | |
| Isosafrole | <8 | 8 | ug/L | 10.0 | | 69.8 | 38-122 | 3.65 | 29 | |
| 1,2,4,5-Tetrachlorobenzene | <8 | 8 | ug/L | 10.0 | | 58.9 | 31-102 | 0.340 | 30 | |
| Hexachlorocyclopentadiene | <8 | 8 | ug/L | 10.0 | | 64.5 | 10-113 | 3.95 | 30 | |
| 2,4,6-Trichlorophenol | 8.1 | 8 | ug/L | 10.0 | | 80.8 | 41-146 | 4.95 | 30 | |
| 2,4,5-Trichlorophenol | 8.2 | 8 | ug/L | 10.0 | | 82.5 | 45-149 | 0.974 | 30 | |
| Safrole | <8 | 8 | ug/L | 10.0 | | 69.4 | 36-122 | 5.78 | 30 | |
| 2-Chloronaphthalene | <8 | 8 | ug/L | 10.0 | | 71.3 | 20-146 | 1.13 | 30 | |
| 2-Nitroaniline | <8 | 8 | ug/L | 10.0 | | 71.6 | 38-149 | 0.00 | 30 | |
| 1,4-Naphthoquinone | <8 | 8 | ug/L | 10.0 | | 73.6 | 45-170 | 2.55 | 30 | |
| Dimethylphthalate | 8.2 | 8 | ug/L | 10.0 | | 82.4 | 40-149 | 1.96 | 23 | |
| 1,3-Dinitrobenzene | 8.6 | 8 | ug/L | 10.0 | | 85.7 | 30-171 | 5.52 | 26 | |
| 1,2-Dinitrobenzene | 8.2 | 8 | ug/L | 10.0 | | 82.4 | 35-159 | 3.08 | 26 | |
| 2,6-Dinitrotoluene | 8.4 | 8 | ug/L | 10.0 | | 83.7 | 40-148 | 3.90 | 30 | |
| Acenaphthylene | <8 | 8 | ug/L | 10.0 | | 70.9 | 35-128 | 4.18 | 30 | |
| Acenaphthene | <8 | 8 | ug/L | 10.0 | | 75.1 | 34-132 | 3.66 | 30 | |
| 2,4-Dinitrophenol | 9.5 | 8 | ug/L | 10.0 | | 95.4 | 27-165 | 0.105 | 30 | |
| 4-Nitrophenol | 8.2 | 8 | ug/L | 10.0 | | 81.5 | 35-159 | 0.615 | 30 | |
| Dibenzofuran | <8 | 8 | ug/L | 10.0 | | 77.3 | 37-136 | 1.70 | 30 | |
| 2,4-Dinitrotoluene | 8.3 | 8 | ug/L | 10.0 | | 83.0 | 42-154 | 0.241 | 30 | |
| 2,3,4,6-Tetrachlorophenol | 9.0 | 8 | ug/L | 10.0 | | 90.0 | 29-163 | 2.70 | 30 | |
| Pentachlorobenzene | <8 | 8 | ug/L | 10.0 | | 68.8 | 53-128 | 3.15 | 30 | |
| Diethyl Phthalate | 8.8 | 8 | ug/L | 10.0 | | 88.0 | 39-156 | 2.76 | 30 | |
| Fluorene | <8 | 8 | ug/L | 10.0 | | 77.8 | 34-139 | 1.95 | 30 | |
| 4-Chlorophenyl Phenyl Ether | <8 | 8 | ug/L | 10.0 | | 76.8 | 39-138 | 0.653 | 30 | |
| 4,6-Dinitro-2-methylphenol | <8 | 8 | ug/L | 10.0 | | 77.0 | 36-161 | 10.4 | 30 | |
| N-Nitrosodiphenylamine | <8 | 8 | ug/L | 10.0 | | 31.0 | 56-108 | 14.9 | 30 | Q3 |
| Diphenylamine | <8 | 8 | ug/L | 10.0 | | 31.0 | 20-160 | 14.9 | 30 | |
| Azobenzene | <8 | 8 | ug/L | 10.0 | | 73.2 | 31-153 | 8.25 | 30 | |
| Diallate | 8.5 | 8 | ug/L | 10.0 | | 85.2 | 43-167 | 1.54 | 30 | |
| 1,3,5-Trinitrobenzene | 8.7 | 8 | ug/L | 10.0 | | 86.6 | 50-167 | 1.28 | 30 | |
| Phenacetin | 9.0 | 8 | ug/L | 10.0 | | 89.6 | 55-146 | 3.64 | 24 | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0791 - 3520C BNA Cont Liq - EPA 8270C** | | | | | | | | | | |
| **LCS Dup (1IC0791-BSD1)** | | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 17:27 | | | | | | |
| 4-Bromophenyl Phenyl Ether | 8.0 | 8 | ug/L | 10.0 | | 80.2 | 31-156 | 1.13 | 30 | |
| Pentachlorophenol | 10.0 | 8 | ug/L | 10.0 | | 99.7 | 13-159 | 0.600 | 30 | |
| Pronamide | <8 | 8 | ug/L | 10.0 | | 62.8 | 53-139 | 8.12 | 30 | |
| Pentachloronitrobenzene (PCNB) | 8.6 | 8 | ug/L | 10.0 | | 86.3 | 56-165 | 2.58 | 30 | |
| Phenanthrene | 8.4 | 8 | ug/L | 10.0 | | 83.7 | 35-147 | 2.54 | 30 | |
| Anthracene | <8 | 8 | ug/L | 10.0 | | 76.6 | 36-146 | 3.32 | 30 | |
| Di-n-butyl Phthalate | 8.8 | 8 | ug/L | 10.0 | | 87.9 | 37-164 | 2.89 | 30 | |
| Fluoranthene | 8.6 | 8 | ug/L | 10.0 | | 85.9 | 38-155 | 1.76 | 30 | |
| Isodrin | 8.5 | 8 | ug/L | 10.0 | | 85.3 | 34-148 | 5.67 | 30 | |
| Chlorobenzilate | <8 | 8 | ug/L | 10.0 | | 62.2 | 60-136 | 2.94 | 30 | |
| Pyrene | 8.2 | 8 | ug/L | 10.0 | | 82.5 | 37-157 | 2.83 | 30 | |
| Butyl Benzyl Phthalate | 8.3 | 8 | ug/L | 10.0 | | 83.3 | 52-150 | 1.69 | 30 | |
| Benzo(a)anthracene | 8.0 | 8 | ug/L | 10.0 | | 80.4 | 39-149 | 1.25 | 30 | |
| Chrysene | 8.3 | 8 | ug/L | 10.0 | | 83.4 | 39-149 | 0.240 | 30 | |
| Bis(2-Ethylhexyl) Phthalate | 11.9 | 6 | ug/L | 10.0 | | 119 | 27-186 | 12.4 | 30 | |
| 2-Acetylaminofluorene | 11.8 | 8 | ug/L | 10.0 | | 118 | 20-171 | 4.65 | 30 | |
| Di-n-octyl Phthalate | 14.4 | 8 | ug/L | 10.0 | | 144 | 39-171 | 0.208 | 30 | |
| Benzo(b)Fluoranthene | 13.3 | 8 | ug/L | 10.0 | | 133 | 39-165 | 0.300 | 30 | |
| 7,12-Dimethylbenz [a] anthracene | 9.1 | 8 | ug/L | 10.0 | | 91.2 | 22-155 | 1.99 | 30 | |
| Benzo(k)Fluoranthene | 13.5 | 8 | ug/L | 10.0 | | 135 | 41-160 | 1.04 | 30 | |
| Benzo(a)Pyrene | 10.7 | 8 | ug/L | 10.0 | | 107 | 37-151 | 0.468 | 30 | |
| 3-Methylcholanthrene | <8 | 8 | ug/L | 10.0 | | 38.5 | 28-140 | 11.8 | 30 | |
| Dibenzo(a,h)anthracene | 13.2 | 8 | ug/L | 10.0 | | 132 | 17-178 | 0.908 | 30 | |
| Indeno(1,2,3-cd)Pyrene | 12.4 | 8 | ug/L | 10.0 | | 124 | 18-176 | 0.886 | 30 | |
| Benzo(g,h,i)perylene | 12.0 | 8 | ug/L | 10.0 | | 120 | 11-179 | 1.49 | 30 | |
| *Surrogate: 2-Fluorophenol* | *14.9* | | ug/L | *20.6* | | *72.1* | *10-149* | | | |
| *Surrogate: Phenol-d6* | *14.6* | | ug/L | *19.6* | | *74.3* | *10-143* | | | |
| *Surrogate: Nitrobenzene-d5* | *15.6* | | ug/L | *20.6* | | *76.1* | *31-137* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *14.6* | | ug/L | *19.5* | | *74.8* | *29-131* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *17.7* | | ug/L | *20.0* | | *88.5* | *10-153* | | | |
| *Surrogate: Terphenyl-dl4* | *18.3* | | ug/L | *20.6* | | *88.8* | *30-142* | | | |
| **Reference (1IC0791-SRM1)** | | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 17:52 | | | | | | |
| N-Nitrosodimethylamine | 8.6 | 8 | ug/L | 10.0 | | 85.8 | 80-120 | | | |
| Methyl Methanesulfonate | 9.4 | 8 | ug/L | 10.0 | | 93.6 | 80-120 | | | |
| N-Nitrosodiethylamine | 8.4 | 8 | ug/L | 10.0 | | 83.5 | 80-120 | | | |
| N-Nitrosomethylethylamine | 8.4 | 8 | ug/L | 10.0 | | 83.6 | 80-120 | | | |
| Ethyl Methanesulfonate | 9.3 | 8 | ug/L | 10.0 | | 93.2 | 80-120 | | | |
| Phenol | 8.8 | 8 | ug/L | 10.0 | | 88.3 | 80-120 | | | |
| Bis(2-Chloroethyl) Ether | 8.8 | 8 | ug/L | 10.0 | | 88.0 | 80-120 | | | |
| 2-Chlorophenol | 9.0 | 8 | ug/L | 10.0 | | 89.9 | 80-120 | | | |
| 2-Methylphenol (o-Cresol) | 8.6 | 8 | ug/L | 10.0 | | 86.5 | 80-120 | | | |
| Bis[2-Chloroisopropyl]ether | 9.0 | 8 | ug/L | 10.0 | | 89.7 | 80-120 | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0791 - 3520C BNA Cont Liq - EPA 8270C** | | | | | | | | | | |
| **Reference (1IC0791-SRM1)** | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 17:52 | | | | | | | |
| n-Nitroso-di-n-propylamine | 8.8 | 8 | ug/L | 10.0 | | 88.4 | 80-120 | | | |
| N-Nitrosopyrrolidine | 8.6 | 8 | ug/L | 10.0 | | 85.5 | 80-120 | | | |
| Acetophenone | 9.4 | 8 | ug/L | 10.0 | | 94.4 | 80-120 | | | |
| (3 & 4)-Methylphenol | 8.8 | 8 | ug/L | 10.0 | | 87.7 | 80-120 | | | |
| Hexachloroethane | 8.9 | 8 | ug/L | 10.0 | | 89.1 | 80-120 | | | |
| Nitrobenzene | 9.3 | 8 | ug/L | 10.0 | | 92.8 | 80-120 | | | |
| N-Nitrosopiperidine | 8.8 | 8 | ug/L | 10.0 | | 88.5 | 80-120 | | | |
| Isophorone | 9.2 | 8 | ug/L | 10.0 | | 91.7 | 80-120 | | | |
| 2-Nitrophenol | 9.3 | 8 | ug/L | 10.0 | | 93.2 | 80-120 | | | |
| 2,4-Dimethylphenol | 9.2 | 8 | ug/L | 10.0 | | 92.3 | 80-120 | | | |
| Bis (2-Chloroethoxy) Methane | 9.1 | 8 | ug/L | 10.0 | | 91.4 | 80-120 | | | |
| 2,4-Dichlorophenol | 9.2 | 8 | ug/L | 10.0 | | 91.8 | 80-120 | | | |
| Naphthalene | 9.0 | 8 | ug/L | 10.0 | | 89.9 | 80-120 | | | |
| 2,6-Dichlorophenol | 9.8 | 8 | ug/L | 10.0 | | 97.9 | 80-120 | | | |
| Hexachloropropene | 9.9 | 8 | ug/L | 10.0 | | 99.2 | 80-120 | | | |
| Hexachlorobutadiene | 9.2 | 8 | ug/L | 10.0 | | 92.0 | 80-120 | | | |
| N-Nitrosodi-n-butylamine | 8.3 | 8 | ug/L | 10.0 | | 82.8 | 80-120 | | | |
| 4-Chloro-3-methylphenol | 8.3 | 8 | ug/L | 10.0 | | 82.7 | 80-120 | | | |
| 2-Methylnaphthalene | 9.2 | 8 | ug/L | 10.0 | | 91.5 | 80-120 | | | |
| Isosafrole | 9.2 | 8 | ug/L | 10.0 | | 92.3 | 80-120 | | | |
| 1,2,4,5-Tetrachlorobenzene | 9.6 | 8 | ug/L | 10.0 | | 95.7 | 80-120 | | | |
| Hexachlorocyclopentadiene | 9.8 | 8 | ug/L | 10.0 | | 97.5 | 80-120 | | | |
| 2,4,6-Trichlorophenol | 9.2 | 8 | ug/L | 10.0 | | 91.9 | 80-120 | | | |
| 2,4,5-Trichlorophenol | 8.9 | 8 | ug/L | 10.0 | | 88.6 | 80-120 | | | |
| Safrole | 9.6 | 8 | ug/L | 10.0 | | 95.7 | 80-120 | | | |
| 2-Chloronaphthalene | 8.9 | 8 | ug/L | 10.0 | | 88.8 | 80-120 | | | |
| 2-Nitroaniline | 8.9 | 8 | ug/L | 10.0 | | 89.3 | 80-120 | | | |
| 1,4-Naphthoquinone | 11.2 | 8 | ug/L | 10.0 | | 112 | 80-120 | | | |
| Dimethylphthalate | 9.0 | 8 | ug/L | 10.0 | | 89.6 | 80-120 | | | |
| 1,3-Dinitrobenzene | 9.3 | 8 | ug/L | 10.0 | | 93.2 | 80-120 | | | |
| 1,2-Dinitrobenzene | 8.9 | 8 | ug/L | 10.0 | | 88.9 | 80-120 | | | |
| 2,6-Dinitrotoluene | 9.2 | 8 | ug/L | 10.0 | | 91.5 | 80-120 | | | |
| Acenaphthylene | 8.9 | 8 | ug/L | 10.0 | | 88.8 | 80-120 | | | |
| 3-Nitroaniline | <8 | 8 | ug/L | 10.0 | | 75.0 | 80-120 | | | M2 |
| Acenaphthene | 8.8 | 8 | ug/L | 10.0 | | 88.5 | 80-120 | | | |
| 2,4-Dinitrophenol | 9.6 | 8 | ug/L | 10.0 | | 96.0 | 80-120 | | | |
| 4-Nitrophenol | <8 | 8 | ug/L | 10.0 | | 72.3 | 80-120 | | | M2 |
| Dibenzofuran | 8.9 | 8 | ug/L | 10.0 | | 89.1 | 80-120 | | | |
| 2,4-Dinitrotoluene | 9.0 | 8 | ug/L | 10.0 | | 90.4 | 80-120 | | | |
| 2,3,4,6-Tetrachlorophenol | <8 | 8 | ug/L | 10.0 | | 75.8 | 80-120 | | | M2 |
| Pentachlorobenzene | 9.6 | 8 | ug/L | 10.0 | | 96.2 | 80-120 | | | |
| Diethyl Phthalate | 9.1 | 8 | ug/L | 10.0 | | 90.6 | 80-120 | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0791 - 3520C BNA Cont Liq - EPA 8270C** | | | | | | | | | | |
| **Reference (1IC0791-SRM1)** | | | Prepared: 03/17/25 14:17 Analyzed: 03/24/25 17:52 | | | | | | | |
| Fluorene | 9.0 | 8 | ug/L | 10.0 | | 90.2 | 80-120 | | | |
| 4-Chlorophenyl Phenyl Ether | 8.9 | 8 | ug/L | 10.0 | | 89.4 | 80-120 | | | |
| 4-Nitroaniline | 8.6 | 8 | ug/L | 10.0 | | 85.9 | 80-120 | | | |
| 5-Nitro-o-toluidine | <8 | 8 | ug/L | 10.0 | | | 80-120 | | | M2 |
| 4,6-Dinitro-2-methylphenol | 8.8 | 8 | ug/L | 10.0 | | 88.4 | 80-120 | | | |
| N-Nitrosodiphenylamine | 9.1 | 8 | ug/L | 10.0 | | 90.6 | 80-120 | | | |
| Diphenylamine | 9.1 | 8 | ug/L | 10.0 | | 90.6 | 80-120 | | | |
| Azobenzene | 9.1 | 8 | ug/L | 10.0 | | 90.8 | 80-120 | | | |
| Diallate | 10.1 | 8 | ug/L | 10.0 | | 101 | 80-120 | | | |
| 1,3,5-Trinitrobenzene | 9.7 | 8 | ug/L | 10.0 | | 97.4 | 80-120 | | | |
| Phenacetin | 9.7 | 8 | ug/L | 10.0 | | 97.0 | 80-120 | | | |
| 4-Bromophenyl Phenyl Ether | 8.9 | 8 | ug/L | 10.0 | | 89.2 | 80-120 | | | |
| Pentachlorophenol | <8 | 8 | ug/L | 10.0 | | 71.5 | 80-120 | | | M2 |
| Pronamide | 9.9 | 8 | ug/L | 10.0 | | 98.8 | 80-120 | | | |
| Pentachloronitrobenzene (PCNB) | 9.6 | 8 | ug/L | 10.0 | | 96.2 | 80-120 | | | |
| Phenanthrene | 9.0 | 8 | ug/L | 10.0 | | 89.6 | 80-120 | | | |
| Anthracene | 8.8 | 8 | ug/L | 10.0 | | 87.9 | 80-120 | | | |
| Di-n-butyl Phthalate | 8.8 | 8 | ug/L | 10.0 | | 88.4 | 80-120 | | | |
| Fluoranthene | 8.9 | 8 | ug/L | 10.0 | | 88.6 | 80-120 | | | |
| Isodrin | 9.5 | 8 | ug/L | 10.0 | | 95.1 | 80-120 | | | |
| Chlorobenzilate | 10.0 | 8 | ug/L | 10.0 | | 99.9 | 80-120 | | | |
| Pyrene | 9.1 | 8 | ug/L | 10.0 | | 91.0 | 80-120 | | | |
| Butyl Benzyl Phthalate | 9.0 | 8 | ug/L | 10.0 | | 90.3 | 80-120 | | | |
| Benzo(a)anthracene | 8.8 | 8 | ug/L | 10.0 | | 88.4 | 80-120 | | | |
| Chrysene | 8.9 | 8 | ug/L | 10.0 | | 89.4 | 80-120 | | | |
| Bis(2-Ethylhexyl) Phthalate | 8.9 | 6 | ug/L | 10.0 | | 88.8 | 80-120 | | | |
| 2-Acetylaminofluorene | 8.9 | 8 | ug/L | 10.0 | | 88.7 | 80-120 | | | |
| Di-n-octyl Phthalate | 9.4 | 8 | ug/L | 10.0 | | 94.5 | 80-120 | | | |
| Benzo(b)Fluoranthene | 8.6 | 8 | ug/L | 10.0 | | 86.5 | 80-120 | | | |
| 7,12-Dimethylbenz [a] anthracene | <8 | 8 | ug/L | 10.0 | | | 80-120 | | | M2 |
| Benzo(k)Fluoranthene | 9.2 | 8 | ug/L | 10.0 | | 92.2 | 80-120 | | | |
| Benzo(a)Pyrene | 9.1 | 8 | ug/L | 10.0 | | 90.7 | 80-120 | | | |
| 3-Methylcholanthrene | 8.6 | 8 | ug/L | 10.0 | | 85.6 | 80-120 | | | |
| Dibenzo(a,h)anthracene | 9.0 | 8 | ug/L | 10.0 | | 89.7 | 80-120 | | | |
| Indeno(1,2,3-cd)Pyrene | 9.1 | 8 | ug/L | 10.0 | | 91.2 | 80-120 | | | |
| Benzo(g,h,i)perylene | 9.2 | 8 | ug/L | 10.0 | | 91.5 | 80-120 | | | |
| *Surrogate: 2-Fluorophenol* | *19.3* | | ug/L | *20.6* | | *93.6* | *10-149* | | | |
| *Surrogate: Phenol-d6* | *18.0* | | ug/L | *19.6* | | *91.8* | *10-143* | | | |
| *Surrogate: Nitrobenzene-d5* | *19.1* | | ug/L | *20.6* | | *93.0* | *20-149* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *18.2* | | ug/L | *19.5* | | *93.4* | *11-146* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *19.0* | | ug/L | *20.0* | | *94.6* | *10-153* | | | |
| *Surrogate: Terphenyl-dl4* | *19.9* | | ug/L | *20.6* | | *96.6* | *27-155* | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Determination of Organophosphorus Insecticides** | **Result** | **RL** | **Units** | **Spike Level** | **Source Result** | **%REC** | **%REC Limits** | **RPD** | **RPD Limit** | **Notes** |
| **Batch 1IC0795 - 3510C NP/OC Sep Fnl - EPA 8141** | | | | | | | | | | |
| **Blank (1IC0795-BLK1)** | | | Prepared: 03/17/25 14:27 Analyzed: 03/24/25 16:19 | | | | | | | |
| O,O,O-Triethyl phosphorothioate | <0.4 | 0.4 | ug/L | | | | | | | |
| Thionazin | <0.4 | 0.4 | ug/L | | | | | | | |
| Phorate | <0.4 | 0.4 | ug/L | | | | | | | |
| Dimethoate | <0.4 | 0.4 | ug/L | | | | | | | |
| Disulfoton | <0.4 | 0.4 | ug/L | | | | | | | |
| Methyl Parathion | <0.4 | 0.4 | ug/L | | | | | | | |
| Parathion | <0.4 | 0.4 | ug/L | | | | | | | |
| Famphur | <0.4 | 0.4 | ug/L | | | | | | | |
| *Surrogate: 2-Nitro-m-xylene* | *8.34* | | ug/L | *13.9* | | *59.9* | *15-154* | | | |
| **LCS (1IC0795-BS1)** | | | Prepared: 03/17/25 14:27 Analyzed: 03/25/25 00:43 | | | | | | | |
| O,O,O-Triethyl phosphorothioate | 3.68 | 0.4 | ug/L | 4.00 | | 92.0 | 29-156 | | | |
| Thionazin | 4.02 | 0.4 | ug/L | 4.00 | | 100 | 63-131 | | | |
| Phorate | 4.22 | 0.4 | ug/L | 4.00 | | 105 | 51-136 | | | |
| Dimethoate | 5.88 | 0.4 | ug/L | 4.00 | | 147 | 42-157 | | | |
| Disulfoton | 4.06 | 0.4 | ug/L | 4.00 | | 102 | 37-158 | | | |
| Methyl Parathion | 3.85 | 0.4 | ug/L | 4.00 | | 96.2 | 66-140 | | | |
| Parathion | 3.26 | 0.4 | ug/L | 4.00 | | 81.6 | 66-120 | | | |
| Famphur | 4.94 | 0.4 | ug/L | 4.00 | | 123 | 67-129 | | | |
| *Surrogate: 2-Nitro-m-xylene* | *12.3* | | ug/L | *13.9* | | *88.6* | *15-154* | | | |
| **LCS Dup (1IC0795-BSD1)** | | | Prepared: 03/17/25 14:27 Analyzed: 03/25/25 01:25 | | | | | | | |
| O,O,O-Triethyl phosphorothioate | 3.28 | 0.4 | ug/L | 4.00 | | 82.0 | 29-156 | 11.5 | 30 | |
| Thionazin | 3.72 | 0.4 | ug/L | 4.00 | | 92.9 | 63-131 | 7.76 | 30 | |
| Phorate | 3.89 | 0.4 | ug/L | 4.00 | | 97.2 | 51-136 | 8.02 | 30 | |
| Dimethoate | 4.98 | 0.4 | ug/L | 4.00 | | 125 | 42-157 | 16.4 | 30 | |
| Disulfoton | 3.88 | 0.4 | ug/L | 4.00 | | 96.9 | 37-158 | 4.79 | 30 | |
| Methyl Parathion | 3.60 | 0.4 | ug/L | 4.00 | | 89.9 | 66-140 | 6.85 | 30 | |
| Parathion | 3.00 | 0.4 | ug/L | 4.00 | | 75.1 | 66-120 | 8.29 | 26 | |
| Famphur | 4.32 | 0.4 | ug/L | 4.00 | | 108 | 67-129 | 13.4 | 30 | |
| *Surrogate: 2-Nitro-m-xylene* | *9.30* | | ug/L | *13.9* | | *66.8* | *15-154* | | | |

| Determination of Chlorinated Phenoxy Herbicides | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0735 - EPA 8151A - EPA 8151A** | | | | | | | | | | |
| **Blank (1IC0735-BLK1)** | | | Prepared: 03/14/25 15:57 Analyzed: 03/21/25 17:22 | | | | | | | |

| Determination of Chlorinated Phenoxy Herbicides | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0735 - EPA 8151A - EPA 8151A** | | | | | | | | | | |
| **Blank (1IC0735-BLK1)** | | | Prepared: 03/14/25 15:57 Analyzed: 03/21/25 17:22 | | | | | | | |
| 2,4-D | <2.0 | 2.0 | ug/L | | | | | | | |
| 2,4,5-TP (Silvex) | <0.5 | 0.5 | ug/L | | | | | | | |
| 2,4,5-T | <0.5 | 0.5 | ug/L | | | | | | | |
| Dinoseb | <0.5 | 0.5 | ug/L | | | | | | | |
| *Surrogate: 2,5-Dichlorobenzoic Acid* | *1.98* | | ug/L | *2.02* | | *98.3* | *36-159* | | | |
| **LCS (1IC0735-BS1)** | | | Prepared: 03/14/25 15:57 Analyzed: 03/21/25 23:45 | | | | | | | |
| 2,4-D | <2.0 | 2.0 | ug/L | 1.00 | | 66.5 | 34-138 | | | |
| 2,4,5-TP (Silvex) | <0.5 | 0.5 | ug/L | 0.500 | | 83.0 | 35-145 | | | |
| 2,4,5-T | <0.5 | 0.5 | ug/L | 0.500 | | 85.0 | 17-168 | | | |
| Dinoseb | 0.86 | 0.5 | ug/L | 1.00 | | 86.5 | 10-140 | | | |
| *Surrogate: 2,5-Dichlorobenzoic Acid* | *2.01* | | ug/L | *2.02* | | *99.5* | *36-159* | | | |
| **LCS Dup (1IC0735-BSD1)** | | | Prepared: 03/14/25 15:57 Analyzed: 03/22/25 00:17 | | | | | | | |
| 2,4-D | <2.0 | 2.0 | ug/L | 1.00 | | 79.0 | 34-138 | 17.2 | 30 | |
| 2,4,5-TP (Silvex) | <0.5 | 0.5 | ug/L | 0.500 | | 90.0 | 35-145 | 8.09 | 30 | |
| 2,4,5-T | 0.52 | 0.5 | ug/L | 0.500 | | 104 | 17-168 | 20.1 | 30 | |
| Dinoseb | 0.61 | 0.5 | ug/L | 1.00 | | 61.0 | 10-140 | 34.6 | 30 | R1 |
| *Surrogate: 2,5-Dichlorobenzoic Acid* | *2.13* | | ug/L | *2.02* | | *105* | *36-159* | | | |

| Determination of Organochlorine Insecticides & Metabolites | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0789 - 3510C NP/OC Sep Fnl - EPA 8081** | | | | | | | | | | |
| **Blank (1IC0789-BLK1)** | | | Prepared: 03/17/25 14:21 Analyzed: 03/21/25 11:31 | | | | | | | |
| Alpha-BHC | <0.05 | 0.05 | ug/L | | | | | | | |
| Gamma-BHC [Lindane] | <0.05 | 0.05 | ug/L | | | | | | | |
| Beta-BHC | <0.05 | 0.05 | ug/L | | | | | | | |
| Heptachlor | <0.05 | 0.05 | ug/L | | | | | | | |
| Delta-BHC | <0.05 | 0.05 | ug/L | | | | | | | |
| Aldrin | <0.05 | 0.05 | ug/L | | | | | | | |
| Heptachlor Epoxide | <0.05 | 0.05 | ug/L | | | | | | | |
| Endosulfan I | <0.05 | 0.05 | ug/L | | | | | | | |
| 4,4`-DDE | <0.05 | 0.05 | ug/L | | | | | | | |
| Dieldrin | <0.05 | 0.05 | ug/L | | | | | | | |
| Endrin | <0.05 | 0.05 | ug/L | | | | | | | |
| 4,4`-DDD | <0.05 | 0.05 | ug/L | | | | | | | |
| Endosulfan II | <0.05 | 0.05 | ug/L | | | | | | | |
| 4,4`-DDT | <0.05 | 0.05 | ug/L | | | | | | | |
| Endrin Aldehyde | <0.05 | 0.05 | ug/L | | | | | | | |
| Endosulfan Sulfate | <0.05 | 0.05 | ug/L | | | | | | | |

| Determination of Organochlorine Insecticides & Metabolites | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0789 - 3510C NP/OC Sep Fnl - EPA 8081** | | | | | | | | | | |
| **Blank (1IC0789-BLK1)** | | | | Prepared: 03/17/25 14:21 Analyzed: 03/21/25 11:31 | | | | | | |
| Methoxychlor | <0.05 | 0.05 | ug/L | | | | | | | |
| Chlordane | <0.10 | 0.10 | ug/L | | | | | | | |
| Toxaphene | <0.20 | 0.20 | ug/L | | | | | | | |
| Hexachlorobenzene | <0.05 | 0.05 | ug/L | | | | | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.478* | | ug/L | *0.600* | | *79.6* | *40-116* | | | |
| **LCS (1IC0789-BS1)** | | | | Prepared: 03/17/25 14:21 Analyzed: 03/21/25 11:45 | | | | | | |
| Alpha-BHC | 0.201 | 0.05 | ug/L | 0.250 | | 80.3 | 52-118 | | | |
| Gamma-BHC [Lindane] | 0.222 | 0.05 | ug/L | 0.250 | | 88.9 | 53-122 | | | |
| Beta-BHC | 0.206 | 0.05 | ug/L | 0.250 | | 82.6 | 54-116 | | | |
| Heptachlor | 0.191 | 0.05 | ug/L | 0.250 | | 76.4 | 58-126 | | | |
| Delta-BHC | 0.222 | 0.05 | ug/L | 0.250 | | 88.9 | 54-134 | | | |
| Aldrin | 0.203 | 0.05 | ug/L | 0.250 | | 81.3 | 47-122 | | | |
| Heptachlor Epoxide | 0.231 | 0.05 | ug/L | 0.250 | | 92.2 | 50-123 | | | |
| Endosulfan I | 0.220 | 0.05 | ug/L | 0.250 | | 88.0 | 55-124 | | | |
| 4,4`-DDE | 0.207 | 0.05 | ug/L | 0.250 | | 83.0 | 49-141 | | | |
| Dieldrin | 0.211 | 0.05 | ug/L | 0.250 | | 84.4 | 50-118 | | | |
| Endrin | 0.229 | 0.05 | ug/L | 0.250 | | 91.6 | 39-170 | | | |
| 4,4`-DDD | 0.205 | 0.05 | ug/L | 0.250 | | 81.9 | 59-135 | | | |
| Endosulfan II | 0.216 | 0.05 | ug/L | 0.250 | | 86.4 | 56-127 | | | |
| 4,4`-DDT | 0.213 | 0.05 | ug/L | 0.250 | | 85.0 | 67-150 | | | |
| Endrin Aldehyde | 0.149 | 0.05 | ug/L | 0.250 | | 59.8 | 57-125 | | | |
| Endosulfan Sulfate | 0.214 | 0.05 | ug/L | 0.250 | | 85.5 | 53-131 | | | |
| Methoxychlor | 0.207 | 0.05 | ug/L | 0.250 | | 83.0 | 63-153 | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.499* | | ug/L | *0.600* | | *83.1* | *40-116* | | | |
| **LCS Dup (1IC0789-BSD1)** | | | | Prepared: 03/17/25 14:21 Analyzed: 03/21/25 12:29 | | | | | | |
| Alpha-BHC | 0.211 | 0.05 | ug/L | 0.250 | | 84.4 | 52-118 | 4.95 | 30 | |
| Gamma-BHC [Lindane] | 0.237 | 0.05 | ug/L | 0.250 | | 95.0 | 53-122 | 6.59 | 30 | |
| Beta-BHC | 0.216 | 0.05 | ug/L | 0.250 | | 86.3 | 54-116 | 4.40 | 30 | |
| Heptachlor | 0.209 | 0.05 | ug/L | 0.250 | | 83.7 | 58-126 | 9.11 | 30 | |
| Delta-BHC | 0.238 | 0.05 | ug/L | 0.250 | | 95.3 | 54-134 | 6.97 | 30 | |
| Aldrin | 0.210 | 0.05 | ug/L | 0.250 | | 84.2 | 47-122 | 3.47 | 30 | |
| Heptachlor Epoxide | 0.242 | 0.05 | ug/L | 0.250 | | 96.6 | 50-123 | 4.69 | 30 | |
| Endosulfan I | 0.230 | 0.05 | ug/L | 0.250 | | 91.9 | 55-124 | 4.36 | 30 | |
| 4,4`-DDE | 0.212 | 0.05 | ug/L | 0.250 | | 84.8 | 49-141 | 2.20 | 30 | |
| Dieldrin | 0.221 | 0.05 | ug/L | 0.250 | | 88.3 | 50-118 | 4.50 | 30 | |
| Endrin | 0.242 | 0.05 | ug/L | 0.250 | | 96.7 | 39-170 | 5.48 | 30 | |
| 4,4`-DDD | 0.216 | 0.05 | ug/L | 0.250 | | 86.2 | 59-135 | 5.09 | 30 | |
| Endosulfan II | 0.228 | 0.05 | ug/L | 0.250 | | 91.2 | 56-127 | 5.37 | 30 | |
| 4,4`-DDT | 0.229 | 0.05 | ug/L | 0.250 | | 91.6 | 67-150 | 7.41 | 30 | |
| Endrin Aldehyde | 0.192 | 0.05 | ug/L | 0.250 | | 76.8 | 57-125 | 25.0 | 30 | |

| Determination of Organochlorine Insecticides & Metabolites | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0789 - 3510C NP/OC Sep Fnl - EPA 8081** | | | | | | | | | | |
| **LCS Dup (1IC0789-BSD1)** | | | Prepared: 03/17/25 14:21 Analyzed: 03/21/25 12:29 | | | | | | | |
| Endosulfan Sulfate | 0.227 | 0.05 | ug/L | 0.250 | | 90.9 | 53-131 | 6.12 | 30 | |
| Methoxychlor | 0.218 | 0.05 | ug/L | 0.250 | | 87.2 | 63-153 | 4.89 | 30 | |
| *Surrogate: Tetrachloro-m-xylene* | *0.493* | | ug/L | *0.600* | | *82.1* | *40-116* | | | |

| Determination of Polychlorinated Biphenyls (PCB) | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0790 - 3510C NP/OC Sep Fnl - EPA 8082** | | | | | | | | | | |
| **Blank (1IC0790-BLK1)** | | | Prepared: 03/17/25 14:24 Analyzed: 03/21/25 11:31 | | | | | | | |
| Arochlor 1016 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1221 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1232 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1242 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1248 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1254 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1260 | <0.20 | 0.20 | ug/L | | | | | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.478* | | ug/L | *0.600* | | *79.6* | *37-120* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.582* | | ug/L | *0.600* | | *97.0* | *22-116* | | | |
| **LCS (1IC0790-BS1)** | | | Prepared: 03/17/25 14:24 Analyzed: 03/21/25 12:00 | | | | | | | |
| Arochlor 1016 | 2.283 | 0.20 | ug/L | 2.60 | | 87.8 | 42-132 | | | |
| Arochlor 1260 | 2.425 | 0.20 | ug/L | 2.60 | | 93.3 | 50-139 | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.531* | | ug/L | *0.600* | | *88.5* | *37-120* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.555* | | ug/L | *0.600* | | *92.5* | *22-116* | | | |
| **LCS Dup (1IC0790-BSD1)** | | | Prepared: 03/17/25 14:24 Analyzed: 03/21/25 12:15 | | | | | | | |
| Arochlor 1016 | 2.386 | 0.20 | ug/L | 2.60 | | 91.8 | 42-132 | 4.40 | 20 | |
| Arochlor 1260 | 2.565 | 0.20 | ug/L | 2.60 | | 98.7 | 50-139 | 5.59 | 24 | |
| *Surrogate: Tetrachloro-m-xylene* | *0.577* | | ug/L | *0.600* | | *96.2* | *37-120* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.586* | | ug/L | *0.600* | | *97.7* | *22-116* | | | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0593 - General Prep Micro - SM 5210 B-2016** | | | | | | | | | | |
| **Blank (1IC0593-BLK1)** | | | Prepared: 03/12/25 17:21 Analyzed: 03/12/25 18:27 | | | | | | | |
| BOD (5 day) | <2 | 2 | mg/L | | | | | | | AC, K1 |
| **Duplicate (1IC0593-DUP1)** | **Source: 1IC0818-01** | | Prepared: 03/12/25 17:21 Analyzed: 03/12/25 18:56 | | | | | | | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0593 - General Prep Micro - SM 5210 B-2016** | | | | | | | | | | |
| **Duplicate (1IC0593-DUP1)** | | **Source: 1IC0818-01** | Prepared: 03/12/25 17:21 Analyzed: 03/12/25 18:56 | | | | | | | |
| BOD (5 day) | 53.8 | 24 | mg/L | | 61.3 | | | 13.0 | 30 | |
| **Reference (1IC0593-SRM1)** | | | Prepared: 03/12/25 17:21 Analyzed: 03/12/25 18:41 | | | | | | | |
| BOD (5 day) | 186 | 100 | mg/L | 198 | | 93.7 | 84.6-115.4 | | | |
| **Batch 1IC0680 - Wet Chem Preparation - USGS I-1750-85** | | | | | | | | | | |
| **Blank (1IC0680-BLK1)** | | | Prepared: 03/14/25 06:45 Analyzed: 03/18/25 12:48 | | | | | | | |
| Total Dissolved Solids (TDS) | <5 | 5 | mg/L | | | | | | | |
| **LCS (1IC0680-BS1)** | | | Prepared: 03/14/25 06:45 Analyzed: 03/18/25 12:48 | | | | | | | |
| Total Dissolved Solids (TDS) | 101 | 5 | mg/L | 100 | | 101 | 79-114 | | | |
| **Duplicate (1IC0680-DUP1)** | | **Source: 1IC0804-01** | Prepared: 03/14/25 06:45 Analyzed: 03/18/25 12:48 | | | | | | | |
| Total Dissolved Solids (TDS) | 357 | 5 | mg/L | | 347 | | | 3.03 | 24 | |
| **Batch 1IC0696 - Wet Chem Preparation - SM 4500-H+ B-2011** | | | | | | | | | | |
| **Duplicate (1IC0696-DUP1)** | | **Source: 1IC0688-01** | Prepared: 03/14/25 08:31 Analyzed: 03/18/25 08:06 | | | | | | | |
| pH | 7.2 | 0.5 | pH | | 8.0 | | | 10.6 | 10 | R1 |
| **Duplicate (1IC0696-DUP2)** | | **Source: 1IC0633-02** | Prepared: 03/14/25 08:31 Analyzed: 03/18/25 08:06 | | | | | | | |
| pH | 8.0 | 0.5 | pH | | 7.2 | | | 10.6 | 10 | R1 |
| **Reference (1IC0696-SRM1)** | | | Prepared: 03/14/25 08:31 Analyzed: 03/18/25 08:06 | | | | | | | |
| pH | 7.0 | 0.5 | pH | 7.00 | | 99.6 | 98.6-101.4 | | | |
| **Reference (1IC0696-SRM2)** | | | Prepared: 03/14/25 08:31 Analyzed: 03/18/25 08:06 | | | | | | | |
| pH | 7.0 | 0.5 | pH | 7.00 | | 99.6 | 98.6-101.4 | | | |
| **Reference (1IC0696-SRM3)** | | | Prepared & Analyzed: 03/14/25 08:31 | | | | | | | |
| pH | 7.0 | 0.5 | pH | 7.00 | | 99.9 | 98.6-101.4 | | | |
| **Batch 1IC0751 - Wet Chem Preparation - EPA 410.4, Rv. 2 (1993)** | | | | | | | | | | |
| **Blank (1IC0751-BLK1)** | | | Prepared: 03/17/25 08:09 Analyzed: 03/18/25 08:45 | | | | | | | |
| COD, total | <54 | 54 | mg/L | | | | | | | |
| **LCS (1IC0751-BS1)** | | | Prepared: 03/17/25 08:09 Analyzed: 03/18/25 08:45 | | | | | | | |
| COD, total | 1020 | 108 | mg/L | 1000 | | 102 | 90-110 | | | |
| **Matrix Spike (1IC0751-MS1)** | | **Source: 1IC0915-01** | Prepared: 03/17/25 08:09 Analyzed: 03/18/25 08:45 | | | | | | | |
| COD, total | 1460 | 108 | mg/L | 1000 | 517 | 93.9 | 90-110 | | | |
| **Matrix Spike Dup (1IC0751-MSD1)** | | **Source: 1IC0915-01** | Prepared: 03/17/25 08:09 Analyzed: 03/18/25 08:45 | | | | | | | |
| COD, total | 1540 | 108 | mg/L | 1000 | 517 | 102 | 90-110 | 5.34 | 10 | |
| **Batch 1IC0760 - Wet Chem Preparation - EPA 376.2** | | | | | | | | | | |
| **Blank (1IC0760-BLK1)** | | | Prepared & Analyzed: 03/17/25 09:28 | | | | | | | |
| Sulfide, total | <0.10 | 0.10 | mg/L | | | | | | | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0760 - Wet Chem Preparation - EPA 376.2** | | | | | | | | | | |
| **LCS (1IC0760-BS1)** | | | | Prepared & Analyzed: 03/17/25 09:28 | | | | | | |
| Sulfide, total | 0.263 | 0.10 | mg/L | 0.31 | | 83.4 | 56-118 | | | |
| **Matrix Spike (1IC0760-MS1)** | | **Source: 1IC0696-01** | | Prepared & Analyzed: 03/17/25 09:28 | | | | | | |
| Sulfide, total | 0.471 | 0.30 | mg/L | 0.94 | ND | 49.9 | 50-150 | | | M2 |
| **Matrix Spike Dup (1IC0760-MSD1)** | | **Source: 1IC0696-01** | | Prepared & Analyzed: 03/17/25 09:28 | | | | | | |
| Sulfide, total | 0.493 | 0.30 | mg/L | 0.94 | ND | 52.2 | 50-150 | 4.55 | 30 | |
| **Batch 1IC0835 - Wet Chem Preparation - SM 2320 B-2011** | | | | | | | | | | |
| **Blank (1IC0835-BLK1)** | | | | Prepared: 03/18/25 10:34 Analyzed: 03/19/25 13:21 | | | | | | |
| Alkalinity, as CaCO3 | <10 | 10 | mg/L | | | | | | | |
| **LCS (1IC0835-BS1)** | | | | Prepared: 03/18/25 10:34 Analyzed: 03/19/25 13:21 | | | | | | |
| Alkalinity, as CaCO3 | 261 | 10 | mg/L | 235 | | 111 | 82-112 | | | |
| **Matrix Spike (1IC0835-MS1)** | | **Source: 1IC0803-04** | | Prepared: 03/18/25 10:34 Analyzed: 03/19/25 13:21 | | | | | | |
| Alkalinity, as CaCO3 | 452 | 10 | mg/L | 235 | 207 | 104 | 70-113 | | | |
| **Matrix Spike Dup (1IC0835-MSD1)** | | **Source: 1IC0803-04** | | Prepared: 03/18/25 10:34 Analyzed: 03/19/25 13:21 | | | | | | |
| Alkalinity, as CaCO3 | 450 | 10 | mg/L | 235 | 207 | 103 | 70-113 | 0.377 | 10 | |
| **Batch 1IC0876 - General Prep HPLC/IC - TIMBERLINE** | | | | | | | | | | |
| **Blank (1IC0876-BLK1)** | | | | Prepared: 03/18/25 14:33 Analyzed: 03/18/25 15:04 | | | | | | |
| Nitrogen, Ammonia | <1.00 | 1.00 | mg/L | | | | | | | |
| **LCS (1IC0876-BS1)** | | | | Prepared: 03/18/25 14:33 Analyzed: 03/18/25 15:05 | | | | | | |
| Nitrogen, Ammonia | 5.04 | 1.00 | mg/L | 5.00 | | 101 | 90-114 | | | |
| **Matrix Spike (1IC0876-MS1)** | | **Source: 4IC0042-02** | | Prepared: 03/18/25 14:33 Analyzed: 03/18/25 15:07 | | | | | | |
| Nitrogen, Ammonia | 14.7 | 1.00 | mg/L | 5.00 | 9.58 | 102 | 84-115 | | | |
| **Matrix Spike Dup (1IC0876-MSD1)** | | **Source: 4IC0042-02** | | Prepared: 03/18/25 14:33 Analyzed: 03/18/25 15:09 | | | | | | |
| Nitrogen, Ammonia | 14.7 | 1.00 | mg/L | 5.00 | 9.58 | 103 | 84-115 | 0.505 | 20 | |
| **Batch 1IC0907 - Wet Chem Preparation - USGS I-3765-85** | | | | | | | | | | |
| **Blank (1IC0907-BLK1)** | | | | Prepared: 03/19/25 06:59 Analyzed: 03/19/25 11:07 | | | | | | |
| Total Suspended Solids (TSS) | <1 | 1 | mg/L | | | | | | | |
| **LCS (1IC0907-BS1)** | | | | Prepared: 03/19/25 06:59 Analyzed: 03/19/25 11:07 | | | | | | |
| Total Suspended Solids (TSS) | 13.9 | 1 | mg/L | 15.0 | | 92.7 | 71-110 | | | |
| **Duplicate (1IC0907-DUP1)** | | **Source: 1IC1012-01** | | Prepared: 03/19/25 06:59 Analyzed: 03/19/25 11:07 | | | | | | |
| Total Suspended Solids (TSS) | 88.0 | 10 | mg/L | | 95.0 | | | 7.65 | 30 | |
| **Batch 1IC0986 - Wet Chem Preparation - EPA 9014** | | | | | | | | | | |
| **Blank (1IC0986-BLK1)** | | | | Prepared: 03/20/25 07:16 Analyzed: 03/21/25 09:08 | | | | | | |
| Cyanide, total | <0.010 | 0.010 | mg/L | | | | | | | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0986 - Wet Chem Preparation - EPA 9014** | | | | | | | | | | |
| **LCS (1IC0986-BS1)** | | | | Prepared: 03/20/25 07:16 Analyzed: 03/21/25 09:08 | | | | | | |
| Cyanide, total | 0.0163 | 0.010 | mg/L | 0.0200 | | 81.4 | 66-127 | | | |
| **Matrix Spike (1IC0986-MS1)** | | Source: 1IC0827-03 | | Prepared: 03/20/25 07:16 Analyzed: 03/21/25 09:08 | | | | | | |
| Cyanide, total | 0.0170 | 0.010 | mg/L | 0.0200 | ND | 85.0 | 56-132 | | | |
| **Matrix Spike Dup (1IC0986-MSD1)** | | Source: 1IC0827-03 | | Prepared: 03/20/25 07:16 Analyzed: 03/21/25 09:08 | | | | | | |
| Cyanide, total | 0.0159 | 0.010 | mg/L | 0.0200 | ND | 79.6 | 56-132 | 6.57 | 28 | |

| Determination of Inorganic Anions | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1306 - General Prep HPLC/IC - EPA 9056A** | | | | | | | | | | |
| **Blank (1IC1306-BLK3)** | | | | Prepared: 03/25/25 00:00 Analyzed: 03/25/25 19:08 | | | | | | |
| Chloride | <1.0 | 1.0 | mg/L | | | | | | | |
| **LCS (1IC1306-BS1)** | | | | Prepared: 03/25/25 00:00 Analyzed: 03/25/25 10:58 | | | | | | |
| Chloride | 15.38 | 1.0 | mg/L | 15.7 | | 98.0 | 80-120 | | | |
| **LCS (1IC1306-BS2)** | | | | Prepared: 03/25/25 00:00 Analyzed: 03/25/25 20:03 | | | | | | |
| Chloride | 15.49 | 1.0 | mg/L | 15.7 | | 98.7 | 80-120 | | | |
| **LCS Dup (1IC1306-BSD1)** | | | | Prepared: 03/25/25 00:00 Analyzed: 03/25/25 11:16 | | | | | | |
| Chloride | 15.35 | 1.0 | mg/L | 15.7 | | 97.8 | 80-120 | 0.156 | 10 | |
| **LCS Dup (1IC1306-BSD2)** | | | | Prepared: 03/25/25 00:00 Analyzed: 03/25/25 20:21 | | | | | | |
| Chloride | 15.53 | 1.0 | mg/L | 15.7 | | 99.0 | 80-120 | 0.284 | 10 | |
| **Matrix Spike (1IC1306-MS1)** | | Source: 1IC0828-01 | | Prepared: 03/25/25 00:00 Analyzed: 03/25/25 12:29 | | | | | | |
| Chloride | 437.0 | 10.0 | mg/L | 157 | 276.3 | 102 | 81-116 | | | |
| **Matrix Spike (1IC1306-MS2)** | | Source: 1IC1475-03 | | Prepared: 03/25/25 00:00 Analyzed: 03/25/25 22:10 | | | | | | |
| Chloride | 457.6 | 10.0 | mg/L | 157 | 309.4 | 94.4 | 81-116 | | | |
| **Matrix Spike Dup (1IC1306-MSD1)** | | Source: 1IC0828-01 | | Prepared: 03/25/25 00:00 Analyzed: 03/25/25 12:47 | | | | | | |
| Chloride | 437.1 | 10.0 | mg/L | 157 | 276.3 | 102 | 81-116 | 0.0183 | 10 | |
| **Matrix Spike Dup (1IC1306-MSD2)** | | Source: 1IC1475-03 | | Prepared: 03/25/25 00:00 Analyzed: 03/25/25 22:28 | | | | | | |
| Chloride | 458.0 | 10.0 | mg/L | 157 | 309.4 | 94.7 | 81-116 | 0.0983 | 10 | |
| **Batch 1IC1339 - General Prep HPLC/IC - EPA 9056A** | | | | | | | | | | |
| **Blank (1IC1339-BLK1)** | | | | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 10:19 | | | | | | |
| Sulfate | <1.0 | 1.0 | mg/L | | | | | | | |
| **Blank (1IC1339-BLK2)** | | | | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 15:28 | | | | | | |
| Sulfate | <1.0 | 1.0 | mg/L | | | | | | | |
| **LCS (1IC1339-BS1)** | | | | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 10:55 | | | | | | |
| Sulfate | 34.27 | 1.0 | mg/L | 33.9 | | 101 | 80-120 | | | |
| **LCS Dup (1IC1339-BSD1)** | | | | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 11:13 | | | | | | |

| Determination of Inorganic Anions | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1339 - General Prep HPLC/IC - EPA 9056A** | | | | | | | | | | |
| **LCS Dup (1IC1339-BSD1)** | | | | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 11:13 | | | | | | |
| Sulfate | 34.22 | 1.0 | mg/L | 33.9 | | 101 | 80-120 | 0.128 | 10 | |
| **Matrix Spike (1IC1339-MS1)** | | **Source: 1IC1044-01** | | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 13:02 | | | | | | |
| Sulfate | 430.9 | 10.0 | mg/L | 339 | 59.10 | 110 | 87-113 | | | |
| **Matrix Spike Dup (1IC1339-MSD1)** | | **Source: 1IC1044-01** | | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 13:20 | | | | | | |
| Sulfate | 424.4 | 10.0 | mg/L | 339 | 59.10 | 108 | 87-113 | 1.51 | 10 | |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0649 - EPA 3005A Total Recoverable Metals - EPA 6020A** | | | | | | | | | | |
| **Blank (1IC0649-BLK1)** | | | | Prepared: 03/13/25 14:39 Analyzed: 03/17/25 17:49 | | | | | | |
| 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 | | | | | | | |
| Tin, total | <0.0200 | 0.0200 | mg/L | | | | | | | |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | | | | | | | |
| Zinc, total | <0.0200 | 0.0200 | mg/L | | | | | | | |
| **LCS (1IC0649-BS1)** | | | | Prepared: 03/13/25 14:39 Analyzed: 03/17/25 17:55 | | | | | | |
| Antimony, total | 0.0896 | 0.0020 | mg/L | 0.100 | | 89.6 | 80-120 | | | |
| Arsenic, total | 0.0914 | 0.0040 | mg/L | 0.100 | | 91.4 | 80-120 | | | |
| Barium, total | 0.104 | 0.0040 | mg/L | 0.100 | | 104 | 80-120 | | | |
| Beryllium, total | 0.0931 | 0.0040 | mg/L | 0.100 | | 93.1 | 80-120 | | | |
| Cadmium, total | 0.0934 | 0.0008 | mg/L | 0.100 | | 93.4 | 80-120 | | | |
| Chromium, total | 0.0889 | 0.0080 | mg/L | 0.100 | | 88.9 | 80-120 | | | |
| Cobalt, total | 0.101 | 0.0004 | mg/L | 0.100 | | 101 | 80-120 | | | |
| Copper, total | 0.0944 | 0.0040 | mg/L | 0.100 | | 94.4 | 80-120 | | | |
| Lead, total | 0.0971 | 0.0040 | mg/L | 0.100 | | 97.1 | 80-120 | | | |
| Nickel, total | 0.0963 | 0.0040 | mg/L | 0.100 | | 96.3 | 80-120 | | | |
| Selenium, total | 0.0982 | 0.0040 | mg/L | 0.100 | | 98.2 | 80-120 | | | |
| Silver, total | 0.0980 | 0.0040 | mg/L | 0.100 | | 98.0 | 80-120 | | | |
| Thallium, total | 0.0978 | 0.0020 | mg/L | 0.100 | | 97.8 | 80-120 | | | |
| Tin, total | 0.0927 | 0.0200 | mg/L | 0.100 | | 92.7 | 80-120 | | | |
| Vanadium, total | 0.0939 | 0.0200 | mg/L | 0.100 | | 93.9 | 80-120 | | | |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0649 - EPA 3005A Total Recoverable Metals - EPA 6020A** | | | | | | | | | | |
| **LCS (1IC0649-BS1)** | | | | Prepared: 03/13/25 14:39 Analyzed: 03/17/25 17:55 | | | | | | |
| Zinc, total | 0.0964 | 0.0200 | mg/L | 0.100 | | 96.4 | 80-120 | | | |
| **Matrix Spike (1IC0649-MS1)** | | **Source: 1IC0827-24** | | Prepared: 03/13/25 14:39 Analyzed: 03/17/25 18:07 | | | | | | |
| Antimony, total | 0.0885 | 0.0020 | mg/L | 0.100 | ND | 88.5 | 75-125 | | | |
| Arsenic, total | 0.0928 | 0.0040 | mg/L | 0.100 | 0.0011 | 91.7 | 75-125 | | | |
| Barium, total | 0.831 | 0.0040 | mg/L | 0.100 | 0.756 | 74.8 | 75-125 | | | M2 |
| Beryllium, total | 0.0921 | 0.0040 | mg/L | 0.100 | ND | 92.1 | 75-125 | | | |
| Cadmium, total | 0.0896 | 0.0008 | mg/L | 0.100 | ND | 89.6 | 75-125 | | | |
| Chromium, total | 0.0855 | 0.0080 | mg/L | 0.100 | 0.0006 | 85.5 | 75-125 | | | |
| Cobalt, total | 0.0993 | 0.0004 | mg/L | 0.100 | 0.0006 | 98.7 | 75-125 | | | |
| Copper, total | 0.0863 | 0.0040 | mg/L | 0.100 | ND | 86.3 | 75-125 | | | |
| Lead, total | 0.0907 | 0.0040 | mg/L | 0.100 | ND | 90.7 | 75-125 | | | |
| Nickel, total | 0.0933 | 0.0040 | mg/L | 0.100 | ND | 93.3 | 75-125 | | | |
| Selenium, total | 0.0943 | 0.0040 | mg/L | 0.100 | ND | 94.3 | 75-125 | | | |
| Silver, total | 0.0951 | 0.0040 | mg/L | 0.100 | ND | 95.1 | 75-125 | | | |
| Thallium, total | 0.0927 | 0.0020 | mg/L | 0.100 | 0.0002 | 92.5 | 75-125 | | | |
| Tin, total | 0.0939 | 0.0200 | mg/L | 0.100 | ND | 93.9 | 75-125 | | | |
| Vanadium, total | 0.0898 | 0.0200 | mg/L | 0.100 | ND | 89.8 | 75-125 | | | |
| Zinc, total | 0.102 | 0.0200 | mg/L | 0.100 | ND | 102 | 75-125 | | | |
| **Matrix Spike Dup (1IC0649-MSD1)** | | **Source: 1IC0827-24** | | Prepared: 03/13/25 14:39 Analyzed: 03/17/25 18:13 | | | | | | |
| Antimony, total | 0.0902 | 0.0020 | mg/L | 0.100 | ND | 90.2 | 75-125 | 1.87 | 20 | |
| Arsenic, total | 0.0942 | 0.0040 | mg/L | 0.100 | 0.0011 | 93.1 | 75-125 | 1.49 | 20 | |
| Barium, total | 0.857 | 0.0040 | mg/L | 0.100 | 0.756 | 101 | 75-125 | 3.11 | 20 | |
| Beryllium, total | 0.0925 | 0.0040 | mg/L | 0.100 | ND | 92.5 | 75-125 | 0.354 | 20 | |
| Cadmium, total | 0.0909 | 0.0008 | mg/L | 0.100 | ND | 90.9 | 75-125 | 1.36 | 20 | |
| Chromium, total | 0.0882 | 0.0080 | mg/L | 0.100 | 0.0006 | 88.2 | 75-125 | 3.07 | 20 | |
| Cobalt, total | 0.100 | 0.0004 | mg/L | 0.100 | 0.0006 | 99.5 | 75-125 | 0.742 | 20 | |
| Copper, total | 0.0852 | 0.0040 | mg/L | 0.100 | ND | 85.2 | 75-125 | 1.24 | 20 | |
| Lead, total | 0.0908 | 0.0040 | mg/L | 0.100 | ND | 90.8 | 75-125 | 0.0908 | 20 | |
| Nickel, total | 0.0947 | 0.0040 | mg/L | 0.100 | ND | 94.7 | 75-125 | 1.57 | 20 | |
| Selenium, total | 0.0948 | 0.0040 | mg/L | 0.100 | ND | 94.8 | 75-125 | 0.577 | 20 | |
| Silver, total | 0.0968 | 0.0040 | mg/L | 0.100 | ND | 96.8 | 75-125 | 1.76 | 20 | |
| Thallium, total | 0.0940 | 0.0020 | mg/L | 0.100 | 0.0002 | 93.9 | 75-125 | 1.44 | 20 | |
| Tin, total | 0.0939 | 0.0200 | mg/L | 0.100 | ND | 93.9 | 75-125 | 0.101 | 20 | |
| Vanadium, total | 0.0911 | 0.0200 | mg/L | 0.100 | ND | 91.1 | 75-125 | 1.37 | 20 | |
| Zinc, total | 0.104 | 0.0200 | mg/L | 0.100 | ND | 104 | 75-125 | 1.57 | 20 | |
| **Post Spike (1IC0649-PS1)** | | **Source: 1IC0827-24** | | Prepared: 03/13/25 14:39 Analyzed: 03/17/25 18:19 | | | | | | |
| Antimony, total | 0.0722 | | mg/L | 0.0800 | 0.00009 | 90.1 | 80-120 | | | |
| Arsenic, total | 0.0761 | | mg/L | 0.0800 | 0.0011 | 93.7 | 80-120 | | | |
| Barium, total | 0.825 | | mg/L | 0.0800 | 0.741 | 105 | 80-120 | | | |
| Beryllium, total | 0.0749 | | mg/L | 0.0800 | 0.00002 | 93.6 | 80-120 | | | |
| Cadmium, total | 0.0718 | | mg/L | 0.0800 | 0.00005 | 89.7 | 80-120 | | | |
| Chromium, total | 0.0703 | | mg/L | 0.0800 | 0.0006 | 87.2 | 80-120 | | | |
| Cobalt, total | 0.0795 | | mg/L | 0.0800 | 0.0006 | 98.6 | 80-120 | | | |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0649 - EPA 3005A Total Recoverable Metals - EPA 6020A** | | | | | | | | | | |
| **Post Spike (1IC0649-PS1)** | **Source: 1IC0827-24** | | Prepared: 03/13/25 14:39 Analyzed: 03/17/25 18:19 | | | | | | | |
| Copper, total | 0.0685 | | mg/L | 0.0800 | 0.0003 | 85.3 | 80-120 | | | |
| Lead, total | 0.0723 | | mg/L | 0.0800 | 0.0002 | 90.1 | 80-120 | | | |
| Nickel, total | 0.0749 | | mg/L | 0.0800 | 0.0009 | 92.5 | 80-120 | | | |
| Selenium, total | 0.0736 | | mg/L | 0.0800 | 0.0003 | 91.7 | 80-120 | | | |
| Silver, total | 0.0776 | | mg/L | 0.0800 | 0.0001 | 96.8 | 80-120 | | | |
| Thallium, total | 0.0745 | | mg/L | 0.0800 | 0.0002 | 93.0 | 80-120 | | | |
| Tin, total | 0.0779 | | mg/L | 0.0800 | -0.00009 | 97.3 | 75-125 | | | |
| Vanadium, total | 0.0751 | | mg/L | 0.0800 | 0.0016 | 91.8 | 80-120 | | | |
| Zinc, total | 0.0823 | | mg/L | 0.0800 | 0.0118 | 88.2 | 80-120 | | | |
| **Batch 1IC0650 - EPA 3005A Total Recoverable Metals - EPA 6020A** | | | | | | | | | | |
| **Blank (1IC0650-BLK1)** | | | Prepared: 03/13/25 14:48 Analyzed: 03/17/25 14:38 | | | | | | | |
| 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 | | | | | | | B |
| 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 | | | | | | | |
| Tin, total | <0.0200 | 0.0200 | mg/L | | | | | | | |
| Vanadium, total | <0.0200 | 0.0200 | mg/L | | | | | | | |
| Zinc, total | <0.0200 | 0.0200 | mg/L | | | | | | | |
| **LCS (1IC0650-BS1)** | | | Prepared: 03/13/25 14:48 Analyzed: 03/17/25 14:45 | | | | | | | |
| Antimony, total | 0.0896 | 0.0020 | mg/L | 0.100 | | 89.6 | 80-120 | | | |
| Arsenic, total | 0.0897 | 0.0040 | mg/L | 0.100 | | 89.7 | 80-120 | | | |
| Barium, total | 0.103 | 0.0040 | mg/L | 0.100 | | 103 | 80-120 | | | |
| Beryllium, total | 0.0862 | 0.0040 | mg/L | 0.100 | | 86.2 | 80-120 | | | |
| Cadmium, total | 0.0942 | 0.0008 | mg/L | 0.100 | | 94.2 | 80-120 | | | |
| Chromium, total | 0.0911 | 0.0080 | mg/L | 0.100 | | 91.1 | 80-120 | | | |
| Cobalt, total | 0.102 | 0.0004 | mg/L | 0.100 | | 102 | 80-120 | | | |
| Copper, total | 0.0933 | 0.0040 | mg/L | 0.100 | | 93.3 | 80-120 | | | |
| Lead, total | 0.0972 | 0.0040 | mg/L | 0.100 | | 97.2 | 80-120 | | | |
| Nickel, total | 0.0961 | 0.0040 | mg/L | 0.100 | | 96.1 | 80-120 | | | |
| Selenium, total | 0.0917 | 0.0040 | mg/L | 0.100 | | 91.7 | 80-120 | | | |
| Silver, total | 0.0987 | 0.0040 | mg/L | 0.100 | | 98.7 | 80-120 | | | |
| Thallium, total | 0.0983 | 0.0020 | mg/L | 0.100 | | 98.3 | 80-120 | | | |
| Tin, total | 0.0921 | 0.0200 | mg/L | 0.100 | | 92.1 | 80-120 | | | |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0650 - EPA 3005A Total Recoverable Metals - EPA 6020A** | | | | | | | | | | |
| **LCS (1IC0650-BS1)** | | | | Prepared: 03/13/25 14:48 Analyzed: 03/17/25 14:45 | | | | | | |
| Vanadium, total | 0.0954 | 0.0200 | mg/L | 0.100 | | 95.4 | 80-120 | | | |
| Zinc, total | 0.0962 | 0.0200 | mg/L | 0.100 | | 96.2 | 80-120 | | | |
| **Matrix Spike (1IC0650-MS1)** | | **Source: 1IC0827-01** | | Prepared: 03/13/25 14:48 Analyzed: 03/17/25 14:57 | | | | | | |
| Antimony, total | 0.0936 | 0.0020 | mg/L | 0.100 | 0.0011 | 92.5 | 75-125 | | | |
| Arsenic, total | 0.107 | 0.0040 | mg/L | 0.100 | 0.0138 | 93.5 | 75-125 | | | |
| Barium, total | 0.150 | 0.0040 | mg/L | 0.100 | 0.0419 | 108 | 75-125 | | | |
| Beryllium, total | 0.0915 | 0.0040 | mg/L | 0.100 | ND | 91.5 | 75-125 | | | |
| Cadmium, total | 0.0912 | 0.0008 | mg/L | 0.100 | 0.0004 | 90.8 | 75-125 | | | |
| Chromium, total | 0.0898 | 0.0080 | mg/L | 0.100 | 0.0012 | 88.6 | 75-125 | | | |
| Cobalt, total | 0.106 | 0.0004 | mg/L | 0.100 | 0.0040 | 102 | 75-125 | | | |
| Copper, total | 0.0878 | 0.0040 | mg/L | 0.100 | 0.0016 | 86.2 | 75-125 | | | |
| Lead, total | 0.0903 | 0.0040 | mg/L | 0.100 | ND | 90.3 | 75-125 | | | |
| Nickel, total | 0.106 | 0.0040 | mg/L | 0.100 | 0.0109 | 95.1 | 75-125 | | | |
| Selenium, total | 0.0924 | 0.0040 | mg/L | 0.100 | ND | 92.4 | 75-125 | | | |
| Silver, total | 0.0933 | 0.0040 | mg/L | 0.100 | ND | 93.3 | 75-125 | | | |
| Thallium, total | 0.0924 | 0.0020 | mg/L | 0.100 | 0.0002 | 92.2 | 75-125 | | | |
| Tin, total | 0.0950 | 0.0200 | mg/L | 0.100 | ND | 95.0 | 75-125 | | | |
| Vanadium, total | 0.0994 | 0.0200 | mg/L | 0.100 | ND | 99.4 | 75-125 | | | |
| Zinc, total | 0.114 | 0.0200 | mg/L | 0.100 | 0.0159 | 97.7 | 75-125 | | | |
| **Matrix Spike Dup (1IC0650-MSD1)** | | **Source: 1IC0827-01** | | Prepared: 03/13/25 14:48 Analyzed: 03/17/25 15:15 | | | | | | |
| Antimony, total | 0.0929 | 0.0020 | mg/L | 0.100 | 0.0011 | 91.8 | 75-125 | 0.737 | 20 | |
| Arsenic, total | 0.110 | 0.0040 | mg/L | 0.100 | 0.0138 | 96.0 | 75-125 | 2.31 | 20 | |
| Barium, total | 0.151 | 0.0040 | mg/L | 0.100 | 0.0419 | 110 | 75-125 | 1.17 | 20 | |
| Beryllium, total | 0.0874 | 0.0040 | mg/L | 0.100 | ND | 87.4 | 75-125 | 4.53 | 20 | |
| Cadmium, total | 0.0924 | 0.0008 | mg/L | 0.100 | 0.0004 | 92.0 | 75-125 | 1.27 | 20 | |
| Chromium, total | 0.0897 | 0.0080 | mg/L | 0.100 | 0.0012 | 88.5 | 75-125 | 0.0700 | 20 | |
| Cobalt, total | 0.110 | 0.0004 | mg/L | 0.100 | 0.0040 | 106 | 75-125 | 3.73 | 20 | |
| Copper, total | 0.0898 | 0.0040 | mg/L | 0.100 | 0.0016 | 88.2 | 75-125 | 2.28 | 20 | |
| Lead, total | 0.0919 | 0.0040 | mg/L | 0.100 | ND | 91.9 | 75-125 | 1.84 | 20 | |
| Nickel, total | 0.108 | 0.0040 | mg/L | 0.100 | 0.0109 | 97.2 | 75-125 | 1.97 | 20 | |
| Selenium, total | 0.0938 | 0.0040 | mg/L | 0.100 | ND | 93.8 | 75-125 | 1.53 | 20 | |
| Silver, total | 0.0961 | 0.0040 | mg/L | 0.100 | ND | 96.1 | 75-125 | 2.99 | 20 | |
| Thallium, total | 0.0943 | 0.0020 | mg/L | 0.100 | 0.0002 | 94.1 | 75-125 | 2.07 | 20 | |
| Tin, total | 0.0971 | 0.0200 | mg/L | 0.100 | ND | 97.1 | 75-125 | 2.15 | 20 | |
| Vanadium, total | 0.101 | 0.0200 | mg/L | 0.100 | ND | 101 | 75-125 | 1.22 | 20 | |
| Zinc, total | 0.111 | 0.0200 | mg/L | 0.100 | 0.0159 | 94.8 | 75-125 | 2.60 | 20 | |
| **Post Spike (1IC0650-PS1)** | | **Source: 1IC0827-01** | | Prepared: 03/13/25 14:48 Analyzed: 03/17/25 15:21 | | | | | | |
| Antimony, total | 0.0728 | | mg/L | 0.0800 | 0.0011 | 89.6 | 80-120 | | | |
| Arsenic, total | 0.0884 | | mg/L | 0.0800 | 0.0136 | 93.5 | 80-120 | | | |
| Barium, total | 0.119 | | mg/L | 0.0800 | 0.0410 | 97.6 | 80-120 | | | |
| Beryllium, total | 0.0654 | | mg/L | 0.0800 | 0.00002 | 81.7 | 80-120 | | | |
| Cadmium, total | 0.0718 | | mg/L | 0.0800 | 0.0004 | 89.2 | 80-120 | | | |
| Chromium, total | 0.0711 | | mg/L | 0.0800 | 0.0011 | 87.5 | 80-120 | | | |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0650 - EPA 3005A Total Recoverable Metals - EPA 6020A** | | | | | | | | | | |
| **Post Spike (1IC0650-PS1)** | **Source: 1IC0827-01** | | Prepared: 03/13/25 14:48 Analyzed: 03/17/25 15:21 | | | | | | | |
| Cobalt, total | 0.0861 | | mg/L | 0.0800 | 0.0039 | 103 | 80-120 | | | |
| Copper, total | 0.0705 | | mg/L | 0.0800 | 0.0016 | 86.2 | 80-120 | | | |
| Lead, total | 0.0727 | | mg/L | 0.0800 | 0.0003 | 90.5 | 80-120 | | | |
| Nickel, total | 0.0859 | | mg/L | 0.0800 | 0.0107 | 94.0 | 80-120 | | | |
| Selenium, total | 0.0716 | | mg/L | 0.0800 | 0.0001 | 89.4 | 80-120 | | | |
| Silver, total | 0.0756 | | mg/L | 0.0800 | 0.0001 | 94.3 | 80-120 | | | |
| Thallium, total | 0.0737 | | mg/L | 0.0800 | 0.0002 | 91.9 | 80-120 | | | |
| Tin, total | 0.0779 | | mg/L | 0.0800 | 0.0006 | 96.6 | 75-125 | | | |
| Vanadium, total | 0.0817 | | mg/L | 0.0800 | 0.0072 | 93.1 | 80-120 | | | |
| Zinc, total | 0.0883 | | mg/L | 0.0800 | 0.0156 | 90.9 | 80-120 | | | |
| **Batch 1IC1059 - EPA 7470A Hg Water - EPA 7470A** | | | | | | | | | | |
| **Blank (1IC1059-BLK1)** | | | Prepared: 03/20/25 15:33 Analyzed: 03/21/25 12:54 | | | | | | | |
| Mercury, total | <0.00050 | 0.00050 | mg/L | | | | | | | |
| **LCS (1IC1059-BS1)** | | | Prepared: 03/20/25 15:33 Analyzed: 03/21/25 12:57 | | | | | | | |
| Mercury, total | 0.00227 | 0.00050 | mg/L | 0.00250 | | 90.7 | 80-120 | | | |
| **Matrix Spike (1IC1059-MS1)** | **Source: 1IC0688-01** | | Prepared: 03/20/25 15:33 Analyzed: 03/21/25 13:08 | | | | | | | |
| Mercury, total | 0.00210 | 0.00050 | mg/L | 0.00250 | ND | 84.1 | 75-125 | | | |
| **Matrix Spike Dup (1IC1059-MSD1)** | **Source: 1IC0688-01** | | Prepared: 03/20/25 15:33 Analyzed: 03/21/25 13:13 | | | | | | | |
| Mercury, total | 0.00235 | 0.00050 | mg/L | 0.00250 | ND | 94.2 | 75-125 | 11.3 | 20 | |

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

| Volatile Organic Compounds by GCMS | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B5C0914 - 5021 - EPA RSK-175** | | | | | | | | | | |
| **Blank (B5C0914-BLK1)** | | | Prepared: 03/17/25 11:42 Analyzed: 03/17/25 13:03 | | | | | | | |
| 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 | | | | | | | |
| Carbon dioxide | <10000 | 10000 | ug/L | | | | | | | |
| **LCS (B5C0914-BS1)** | | | Prepared: 03/17/25 11:42 Analyzed: 03/17/25 13:19 | | | | | | | |
| Methane | 103 | 5.00 | ug/L | 114.1884 | | 90.3 | 85-115 | | | |
| Ethene | 201 | 5.00 | ug/L | 199.6873 | | 101 | 85-115 | | | |
| Ethane | 215 | 5.00 | ug/L | 213.9965 | | 100 | 85-115 | | | |
| Propane | 312 | 5.00 | ug/L | 313.9185 | | 99.4 | 85-115 | | | |
| Carbon dioxide | 30600 | 10000 | ug/L | 31330.62 | | 97.6 | 53-130 | | | |
| **LCS Dup (B5C0914-BSD1)** | | | Prepared: 03/17/25 11:42 Analyzed: 03/17/25 13:34 | | | | | | | |

| Volatile Organic Compounds by GCMS | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B5C0914 - 5021 - EPA RSK-175** | | | | | | | | | | |
| **LCS Dup (B5C0914-BSD1)** | | | | Prepared: 03/17/25 11:42 Analyzed: 03/17/25 13:34 | | | | | | |
| Methane | 110 | 5.00 | ug/L | 114.1884 | | 96.4 | 85-115 | 6.57 | 40 | |
| Ethene | 221 | 5.00 | ug/L | 199.6873 | | 111 | 85-115 | 9.60 | 40 | |
| Ethane | 237 | 5.00 | ug/L | 213.9965 | | 111 | 85-115 | 9.91 | 40 | |
| Propane | 354 | 5.00 | ug/L | 313.9185 | | 113 | 85-115 | 12.5 | 40 | |
| Carbon dioxide | 33100 | 10000 | ug/L | 31330.62 | | 106 | 53-130 | 7.96 | 40 | |
| **Batch B5C0991 - 5021 - EPA RSK-175** | | | | | | | | | | |
| **Blank (B5C0991-BLK1)** | | | | Prepared: 03/18/25 12:10 Analyzed: 03/18/25 13:03 | | | | | | |
| 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 (B5C0991-BS1)** | | | | Prepared: 03/18/25 12:10 Analyzed: 03/18/25 13:19 | | | | | | |
| Methane | 104 | 5.00 | ug/L | 114.1884 | | 91.4 | 85-115 | | | |
| Ethene | 214 | 5.00 | ug/L | 199.6873 | | 107 | 85-115 | | | |
| Ethane | 229 | 5.00 | ug/L | 213.9965 | | 107 | 85-115 | | | |
| Propane | 343 | 5.00 | ug/L | 313.9185 | | 109 | 85-115 | | | |
| **LCS Dup (B5C0991-BSD1)** | | | | Prepared: 03/18/25 12:10 Analyzed: 03/18/25 13:35 | | | | | | |
| Methane | 123 | 5.00 | ug/L | 114.1884 | | 108 | 85-115 | 16.3 | 40 | |
| Ethene | 245 | 5.00 | ug/L | 199.6873 | | 123 | 85-115 | 13.5 | 40 | Q |
| Ethane | 267 | 5.00 | ug/L | 213.9965 | | 125 | 85-115 | 15.1 | 40 | Q |
| Propane | 399 | 5.00 | ug/L | 313.9185 | | 127 | 85-115 | 15.1 | 40 | Q |

**Definitions**

| | |
|---|---|
| **AC:** | BOD blank = 0.35mg/L |
| **ACa:** | Out of hold due to instrument malfunction |
| **B:** | The target analyte was detected in the blank at or above the method acceptance criteria. |
| **B1:** | The target analyte was detected in the method blank at or above the method acceptance criteria. The sample concentration is below the method acceptance criteria. |
| **H:** | Sample was analyzed past holding time. |
| **H4:** | The test was performed outside of the EPA recommended holding time of 15 minutes. |
| **K1:** | Unseeded dilution blank depletion exceeds 0.2 mg/L. |
| **M1:** | Matrix spike recovery is above acceptance limits. |
| **M2:** | Matrix spike recovery is below acceptance limits. |
| **Q:** | One or more quality control criteria failed. |
| **Q2:** | LCS recovery is above acceptance limits. |
| **Q3:** | LCS recovery is below acceptance limits. The reported value is estimated. |
| **Q4:** | ICV recovery is above acceptance limits. Values that are <RL are not affected |
| **R1:** | Duplicate RPD is outside acceptance criteria. |
| **RL:** | Reporting Limit |
| **RPD:** | Relative Percent Difference |
| **S2:** | Surrogate recovery is below acceptance limits. |

MICROBAC®

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC0827

**Cooler Receipt Log**

**Cooler ID:** Default Cooler Temp: 0.7°C

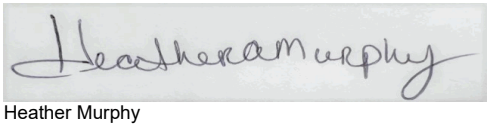
**Cooler Inspection Checklist**

| | | | |
|---|---|---|---|
| Custody Seals | No | Containers Intact | Yes |
| COC/Labels Agree | Yes | Preservation Confirmed | No |
| Received On Ice | Yes | | |

**Report Comments**

*The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.* ***The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.***

**Reviewed and Approved By:**



Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
03/28/25 16:21

# CHAIN

MICROBAC®
600 East 17th Stre
Newton, IA 50208
641-792-8451

1IC0827

HLW Engineering
PM: Heather Murphy

Page 1 of
Printed: 2/24/2025 8:53:30A
www.keystonelabs.com

**SITE INFORMATION**

Sampler: TODD WHIPPLE

Project: SCILA - New Regs 6022

**REPORT TO**

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**

Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**

☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**

Work Order 1IC0827
Temperature 0.7
Turn-Cooler: No

- ☐ Custody Seal
- ☒ Containers Intact
- ☒ COC/Labels Agree
- ☐ Preservation Confirmed
- ☒ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|---|
| -001 | MW-34A | Aqueous | GRAB | 3/11/25 | 12:54 | 7 | lndfill-app1-voc-group | lndfill-app1-metals-6020 | 01 |
| -001 | MW-18 | Aqueous | GRAB | 3/11/25 | 13:05 | 1 | ~~lndfill-app1-voc-group~~ | lndfill-app1-metals-6020 | 02 |
| -001 | GU-1 DRY | Aqueous | GRAB | / / | — | 0 | lndfill-app1-voc-group | lndfill-app1-metals-6020 | — |
| -001 | MW-1R DRY | Aqueous | GRAB | / / | — | 0 | lndfill-app1-voc-group | lndfill-app1-metals-6020 | — |
| -001 | MW-6A | Aqueous | GRAB | 3/11/25 | 14:31 | 14* | lndfill-app2-inorg-6020 | lndfill-app2-org | 03 |
| -001 | MW-21 | Aqueous | GRAB | 3/11/25 | 9:47 | 7 | lndfill-app1-voc-group | lndfill-app1-metals-6020 | 04 |
| -001 | TILE-1 | Aqueous | GRAB | 3/10/25 | 16:02 | 7 | lndfill-app1-voc-group | lndfill-app1-metals-6020 | 05 |

Relinquished By: [signature] Date/Time: 3/12/25

Received By: Date/Time:

Relinquished By: Date/Time:

Received for Lab By: [signature] Date/Time: 3/12/2025 10:20

Remarks: * Limited sample at MW-6A. Only 1.5 of 5.0 Liter glass amber jars filled.

Original - Lab Copy Yellow - Sampler Copy

# CHAIN OF CUSTODY RECORD

MICROBAC®
600 East 17th Street
Newton, IA 50208
641-792-8451

1 I C 0 8 2 7

HLW Engineering
PM: Heather Murphy



**SITE INFORMATION**

Sampler: Todd Whipple

Project: SCILA - New Regs 6022

**REPORT TO**

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**

Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**

None

Turn Around Time
☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**

Work Order: 1IC0827
Temperature: 0.7
Turn-Cooler: No

☐ Custody Seal
☐ Containers Intact
☐ COC/Labels Agree
☐ Preservation Confirmed
☒ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| -001 | TILE 2 | Aqueous | GRAB | 3/10/25 | 16:13 | 7 | lndfill-appl-voc-group lndfil-appl-metals-6020 | 06 |
| -001 | MW-11C | Aqueous | GRAB | 3/11/25 | 9:13 | 7 | lndfill-appl-voc-group lndfil-appl-metals-6020 | 07 |
| -001 | MW-39D | Aqueous | GRAB | 3/11/25 | 13:40 | 1 | lndfil-appl-metals-6020 | 08 |
| -001 | MW-41D | Aqueous | GRAB | 3/11/25 | 13:58 | 1 | lndfil-appl-metals-6020 | 09 |
| -001 | MW-42D | Aqueous | GRAB | 3/11/25 | 8:40 | 1 | lndfil-appl-metals-6020 | 10 |
| -001 | MW-17R | Aqueous | GRAB | 3/11/25 | 10:05 | 7 | lndfill-appl-voc-group lndfil-appl-metals-6020 | 11 |
| -001 | MW-28 | Aqueous | GRAB | 3/10/25 | 15:07 | 7 | lndfill-appl-voc-group lndfil-appl-metals-6020 | 12 |

Todd Whipple 3/12/25
Relinquished By Date/Time

Relinquished By Date/Time

Received By Date/Time

Received for Lab By 3/12/2025 10:20 AM
Date/Time

Remarks:

Original - Lab Copy Yellow - Sampler Copy

# CHAIN OF CUS

MICROBAC®
600 East 17th Street South
Newton, IA 50208
641-792-8451

1 I C 0 8 2 7

HLW Engineering
PM: Heather Murphy


nted: 2/24/2025 8:53:30A
www.keystonelabs.com

**SITE INFORMATION**
Sampler: TODD WHIPPLE
Project: SCILA - New Regs
6022

**REPORT TO**
Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**
Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**
None

**Turn Around Time**
☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**
Work Order: IC0827
Temperature: 0.7
Turn-Cooler: No

☐ Custody Seal
☐ Containers Intact
☐ COC/Labels Agree
☐ Preservation Confirmed
☒ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| -001 | MW-8B | Aqueous | GRAB | 3/11/25 | 10:23 | 12 | alk-caco3-2320, lndfill-app1-voc-group, lndfill-app1-metals-6020, perngas-rsk-175, ph-4500 | 13 |
| -001 | MW-9AR | Aqueous | GRAB | 3/11/25 | 11:14 | 12 | alk-caco3-2320, lndfill-app1-voc-group, lndfill-app1-metals-6020, perngas-rsk-175, ph-4500 | 14 |
| -001 | MW-14D | Aqueous | GRAB | 3/11/25 | 11:56 | 8 | 8270-110, lndfill-app1-voc-group, lndfill-app1-metals-6020 | 15 |
| -001 | MW-15R | Aqueous | GRAB | 3/11/25 | 10:41 | 12 | alk-caco3-2320, lndfill-app1-voc-group, lndfill-app1-metals-6020, perngas-rsk-175, ph-4500 | 16 |
| -001 | SW-1 | Aqueous | GRAB | 3/10/25 | 15:42 | 6 | lndfill-app1-voc-group | 17 |
| -001 | SW-2B | Aqueous | GRAB | 3/10/25 | 15:31 | 6 | lndfill-app1-voc-group | 18 |

Relinquished By: [signature] Date/Time: 3/12/25
Relinquished By: [signature] Date/Time: 3/12/2025 10:20AM
Received By: Date/Time:
Received for Lab By: Date/Time:

Remarks:

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600 East
Newton, I
641-792-8

1 I C 0 8 2 7

HLW Engineering
PM: Heather Murphy



**SITE INFORMATION**

Sampler: TODD WHIPPLE

Project: SCILA - New Regs 6022

**REPORT TO**

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**

Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**

☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**

Work Order 1IC0827
Temperature 0.7
Turn-Cooler: No

☐ Custody Seal
☐ Containers Intact
☐ COC/Labels Agree
☐ Preservation Confirmed
☐ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| -001 | SW-102 | Aqueous | GRAB | 3/10/25 | 15:25 | 6 | lndfill-app1-voc-group | 19 |
| -001 | Duplicate | Aqueous | GRAB | 3/10/25 | ✓ | 1 | lndfll-app1-metals-6020 | 20 |
| -001 | GU-2 | Aqueous | GRAB | 3/10/25 | 17:07 | 7 | lndfill-app1-voc-group lndfll-app1-metals-6020 | 21 |
| -001 | GU-A | Aqueous | GRAB | 3/10/25 | 16:57 | 7 | lndfill-app1-voc-group lndfll-app1-metals-6020 | 22 |
| -001 | GU-B | Aqueous | GRAB | 3/10/25 | 16:44 | 7 | lndfill-app1-voc-group lndfll-app1-metals-6020 | 23 |
| -001 | MW-44 | Aqueous | GRAB | 3/11/25 | 14:55 | 17 | 8270-110 lndfll-app2-inorg-6020 lndfll-app2-org | 24 |
| -001 | MW-45A | Aqueous | GRAB | 3/11/25 | 8:15 | 7 | lndfill-app1-voc-group lndfll-app1-metals-6020 | 25 |

Relinquished By: [signature] Date/Time: 3/12/25

Received By: Date/Time:

Relinquished By: [signature] Date/Time: 3/12/2025 10:20 AM

Received for Lab By: Date/Time:

Remarks:

Original - Lab Copy Yellow - Sampler Copy

# CHAIN OF CUSTODY

MICROBAC®
600 East 17t
Newton, IA 5
641-792-845

1IC0827
HLW Engineering
PM: Heather Murphy


www.keystonelabs.com

**SITE INFORMATION**
Sampler: TODD WHIPPLE
Project: SCILA - New Regs 6022

**REPORT TO**
Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**
Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**
None

**Turn Around Time**
☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**
Work Order: 1IC0827
Temperature: 0.7
Turn-Cooler: No

☐ Custody Seal
☐ Containers Intact
☐ COC/Labels Agree
☐ Preservation Confirmed
☑ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|---|
| -001 | MW-38A DRY | Aqueous | GRAB | -/- | — | 0 | lndfill-app1-voc-group | lndfil-app1-metals-6020 | — |
| -001 | MW-45D | Aqueous | GRAB | 3/11/25 | 8:24 | 7 | lndfill-app1-voc-group | lndfil-app1-metals-6020 | 26 |
| -001 | MW-31 | Aqueous | GRAB | 3/11/25 | 11:36 | 6 | lndfill-app1-voc-group | | 27 |
| -001 | MW-32 | Aqueous | GRAB | 3/11/25 | 11:02 | 7 | as-t-6020 | lndfill-app1-voc-group | 28 |
| -001 | LW-26 | Aqueous | GRAB | 3/11/25 | 12:20 | 13 | bod-5210<br>cod-i-410.4<br>lndfill-app1-voc-group<br>perrngas-rsk-175<br>tds-i-1750-85 | cl-9056-w<br>co-i-6020<br>nh3-timberline-lf<br>so4-9056-w<br>tss-i-3765-85 | 29 |

Relinquished By: [signature] Date/Time: 3/12/25
Received By: Date/Time:
Relinquished By: Date/Time:
Received for Lab By: [signature] Date/Time: 3/12/2025 10:20 AM

Remarks:

Original - Lab Copy Yellow - Sampler Copy

# CHAIN

MICROBAC®

600 East 17th Stre
Newton, IA 50208
641-792-8451

1IC0827

HLW Engineering
PM: Heather Murphy


Printed: 2/24/2025 8:53:30A
www.keystonelabs.com

## SITE INFORMATION

Sampler: TODD WHIPPLE
Project: SCILA - New Regs
6022

## REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

## INVOICE TO

Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

## SPECIAL INSTRUCTIONS

None

**Turn Around Time**
☐ Standard ☐ RUSH, need by ___/___/___

## LAB USE ONLY

Work Order 1IC0827
Temperature 0.7
Turn-Cooler: No

- ☐ Custody Seal
- ☒ Containers Intact
- ☒ COC/Labels Agree
- ☐ Preservation Confirmed
- ☒ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|---|
| -001 | MW-34A | Aqueous | GRAB | 3/11/25 | 12:54 | 7 | lndfill-app1-voc-group | lndfill-app1-metals-6020 | 01 |
| -001 | MW-18 | Aqueous | GRAB | 3/11/25 | 13:05 | 1 | ~~lndfill-app1-voc-group~~ | lndfill-app1-metals-6020 | 02 |
| -001 | GU-1 DRY | Aqueous | GRAB | // | — | 0 | lndfill-app1-voc-group | lndfill-app1-metals-6020 | — |
| -001 | MW-1R DRY | Aqueous | GRAB | // | — | 0 | lndfill-app1-voc-group | lndfill-app1-metals-6020 | — |
| -001 | MW-6A | Aqueous | GRAB | 3/11/25 | 14:31 | 14* | lndfill-app2-inorg-6020 | lndfill-app2-org | 03 |
| -001 | MW-21 | Aqueous | GRAB | 3/11/25 | 9:47 | 7 | lndfill-app1-voc-group | lndfill-app1-metals-6020 | 04 |
| -001 | TILE-1 | Aqueous | GRAB | 3/10/25 | 16:02 | 7 | lndfill-app1-voc-group | lndfill-app1-metals-6020 | 05 |

Relinquished By: [signature] Date/Time: 3/12/25
Received By: Date/Time:
Relinquished By: [signature] Date/Time: 3/12/2025 10:20
Received for Lab By: Date/Time:

Remarks: * Limited sample at MW-6A. Only 1.5 of 5.0 Liter glass amber jars filled.

Original - Lab Copy Yellow - Sampler Copy

# CHAIN OF CUSTODY RECORD

MICROBAC®
600 East 17th Street
Newton, IA 50208
641-792-8451

1IC0827
HLW Engineering
PM: Heather Murphy


www.keystonelabs.com

**SITE INFORMATION**
Sampler: TODD WHIPPLE
Project: SCILA - New Regs
6022

**REPOR**
Todd Whippie
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**
Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**
None

**Turn Around Time**
☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**
Work Order: 1IC0827
Temperature: 0.7
Turn-Cooler: No

- ☐ Custody Seal
- ☐ Containers Intact
- ☐ COC/Labels Agree
- ☐ Preservation Confirmed
- ☒ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| -001 | TILE 2 | Aqueous | GRAB | 3/10/25 | 16:13 | 7 | lndfill-appI-voc-group lndfil-appI-metals-6020 | 06 |
| -001 | MW-11C | Aqueous | GRAB | 3/11/25 | 9:13 | 7 | lndfill-appI-voc-group lndfil-appI-metals-6020 | 07 |
| -001 | MW-39D | Aqueous | GRAB | 3/11/25 | 13:40 | 1 | lndfil-appI-metals-6020 | 08 |
| -001 | MW-41D | Aqueous | GRAB | 3/11/25 | 13:58 | 1 | lndfil-appI-metals-6020 | 09 |
| -001 | MW-42D | Aqueous | GRAB | 3/11/25 | 8:40 | 1 | lndfil-appI-metals-6020 | 10 |
| -001 | MW-17R | Aqueous | GRAB | 3/11/25 | 10:05 | 7 | lndfill-appI-voc-group lndfil-appI-metals-6020 | 11 |
| -001 | MW-28 | Aqueous | GRAB | 3/10/25 | 15:07 | 7 | lndfill-appI-voc-group lndfil-appI-metals-6020 | 12 |

Todd Whipple 3/12/25
Relinquished By Date/Time

Relinquished By Date/Time

Received By Date/Time

Received for Lab By 3/12/2025 10:20 AM
Date/Time

Remarks:

Original - Lab Copy Yellow - Sampler Copy

# CHAIN OF CUS

MICROBAC®
600 East 17th Street Soutl
Newton, IA 50208
641-792-8451

1 I C 0 8 2 7

HLW Engineering
PM: Heather Murphy


nted: 2/24/2025 8:53:30A
www.keystonelabs.com

**SITE INFORMATION**
Sampler: TODD WHIPPLE
Project: SCILA - New Regs
6022

**REPORT TO**
Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**
Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**
None

**Turn Around Time**
☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**
Work Order: IC0827
Temperature: 0.7
Turn-Cooler: No

- ☐ Custody Seal
- ☐ Containers Intact
- ☐ COC/Labels Agree
- ☐ Preservation Confirmed
- ☒ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| -001 | MW-8B | Aqueous | GRAB | 3/11/25 | 10:23 | 12 | alk-caco3-2320, indfill-appl-metals-6020, ph-4500, indfill-appl-voc-group, perngas-rsk-175 | 13 |
| -001 | MW-9AR | Aqueous | GRAB | 3/11/25 | 11:14 | 12 | alk-caco3-2320, indfill-appl-metals-6020, ph-4500, indfill-appl-voc-group, perngas-rsk-175 | 14 |
| -001 | MW-14D | Aqueous | GRAB | 3/11/25 | 11:56 | 8 | 8270-110, indfill-appl-metals-6020, indfill-appl-voc-group | 15 |
| -001 | MW-15R | Aqueous | GRAB | 3/11/25 | 10:41 | 12 | alk-caco3-2320, indfill-appl-metals-6020, ph-4500, indfill-appl-voc-group, perngas-rsk-175 | 16 |
| -001 | SW-1 | Aqueous | GRAB | 3/10/25 | 15:42 | 6 | indfill-appl-voc-group | 17 |
| -001 | SW-2B | Aqueous | GRAB | 3/10/25 | 15:31 | 6 | indfill-appl-voc-group | 18 |

Relinquished By: [signature] Date/Time: 3/12/25
Received By: Date/Time:
Relinquished By: [signature] Date/Time: 3/12/2025 10:20AM
Received for Lab By: Date/Time:

Remarks:

Original - Lab Copy Yellow - Sampler Copy

MICROBAC®

600 East
Newton, I
641-792-8

1 I C 0 8 2 7

HLW Engineering
PM: Heather Murphy



**SITE INFORMATION**

Sampler: Todd Whipple

Project: SCILA - New Regs 6022

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**

☐ Standard ☐ RUSH, need by ___/___/___

**REPORT TO**

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**

Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**LAB USE ONLY**

Work Order: 1IC0827
Temperature: 0.7
Turn-Cooler: No

☐ Custody Seal
☐ Containers Intact
☐ COC/Labels Agree
☐ Preservation Confirmed
☐ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| -001 | SW-102 | Aqueous | GRAB | 3/10/25 | 15:25 | 6 | lndfill-app1-voc-group | 19 |
| -001 | Duplicate | Aqueous | GRAB | 3/10/25 | ✓ | 1 | lndfil-app1-metals-6020 | 20 |
| -001 | GU-2 | Aqueous | GRAB | 3/10/25 | 17:07 | 7 | lndfill-app1-voc-group lndfil-app1-metals-6020 | 21 |
| -001 | GU-A | Aqueous | GRAB | 3/10/25 | 16:57 | 7 | lndfill-app1-voc-group lndfil-app1-metals-6020 | 22 |
| -001 | GU-B | Aqueous | GRAB | 3/10/25 | 16:44 | 7 | lndfill-app1-voc-group lndfil-app1-metals-6020 | 23 |
| -001 | MW-44 | Aqueous | GRAB | 3/11/25 | 14:55 | 17 | 8270-110 lndfil-app2-inorg-6020 lndfil-app2-org | 24 |
| -001 | MW-45A | Aqueous | GRAB | 3/11/25 | 8:15 | 7 | lndfill-app1-voc-group lndfil-app1-metals-6020 | 25 |

Relinquished By: Todd Whipple Date/Time: 3/12/25

Received By: ___ Date/Time: ___

Relinquished By: ___ Date/Time: ___

Received for Lab By: [signature] Date/Time: 3/12/2025 10:20 AM

Remarks:

Original - Lab Copy Yellow - Sampler Copy

CH

MICROBAC®
600 East 17t
Newton, IA 5
641-792-845

1 I C 0 8 2 7
HLW Engineering
PM: Heather Murphy



**SITE INFORMATION**

Sampler: TODD WHIPPLE

Project: SCILA - New Regs 6022

**REPORT TO**

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**

Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**

☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**

Work Order: 1IC0827
Temperature: 0.7
Turn-Cooler: No

☐ Custody Seal
☐ Containers Intact
☐ COC/Labels Agree
☐ Preservation Confirmed
☑ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|---|
| -001 | MW-38A DRY | Aqueous | GRAB | — | — | 0 | lndfill-app1-voc-group | lndfil-app1-metals-6020 | — |
| -001 | MW-45D | Aqueous | GRAB | 3/11/25 | 8:24 | 7 | lndfill-app1-voc-group | lndfil-app1-metals-6020 | 26 |
| -001 | MW-31 | Aqueous | GRAB | 3/11/25 | 11:36 | 6 | lndfill-app1-voc-group | | 27 |
| -001 | MW-32 | Aqueous | GRAB | 3/11/25 | 11:02 | 7 | as-t-6020 | lndfill-app1-voc-group | 28 |
| -001 | LW-26 | Aqueous | GRAB | 3/11/25 | 12:20 | 13 | bod-5210<br>cod-i-410.4<br>lndfill-app1-voc-group<br>perrngas-rsk-175<br>tds-i-1750-85 | cl-9056-w<br>co-t-6020<br>nh3-timberline-lf<br>so4-9056-w<br>tss-i-3765-85 | 29 |

Relinquished By: [signature] Date/Time: 3/12/25

Received By: Date/Time:

Relinquished By: Date/Time:

Received for Lab By: [signature] Date/Time: 3/12/2025 10:20 AM

Remarks:

Original - Lab Copy Yellow - Sampler Copy

Microbac Laboratories, Inc., Newton

# CERTIFICATE OF ANALYSIS

1II0590

Project Description

6022

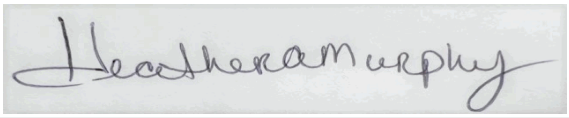
For:

Todd Whipple

**HLW Engineering**

204 West Broad St

Story City, IA 50248



Heather Murphy

Customer Relationship Specialist

Monday, September 22, 2025

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

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

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1II0590

**HLW Engineering**

Todd Whipple
204 West Broad St
Story City, IA 50248

**Project Name: 6022**

Project / PO Number: N/A
Received: 09/05/2025
Reported: 09/22/2025

**Sample Summary Report**

| Sample Name | Laboratory ID | Client Matrix | Sample Type | Sample Begin | Sample Taken | Lab Received |
|---|---|---|---|---|---|---|
| MW-34A | 1II0590-01 | Aqueous | GRAB | | 09/04/25 10:46 | 09/05/25 10:40 |
| MW-18 | 1II0590-02 | Aqueous | GRAB | | 09/04/25 10:35 | 09/05/25 10:40 |
| MW-6A | 1II0590-03 | Aqueous | GRAB | | 09/04/25 15:30 | 09/05/25 10:40 |
| MW-21 | 1II0590-04 | Aqueous | GRAB | | 09/04/25 14:15 | 09/05/25 10:40 |
| TILE-1 | 1II0590-05 | Aqueous | GRAB | | 09/04/25 11:53 | 09/05/25 10:40 |
| TILE 2 | 1II0590-06 | Aqueous | GRAB | | 09/04/25 11:32 | 09/05/25 10:40 |
| MW-11C | 1II0590-07 | Aqueous | GRAB | | 09/04/25 15:48 | 09/05/25 10:40 |
| MW-39D | 1II0590-08 | Aqueous | GRAB | | 09/04/25 08:08 | 09/05/25 10:40 |
| MW-41D | 1II0590-09 | Aqueous | GRAB | | 09/04/25 08:42 | 09/05/25 10:40 |
| MW-42D | 1II0590-10 | Aqueous | GRAB | | 09/04/25 09:14 | 09/05/25 10:40 |
| MW-17R | 1II0590-11 | Aqueous | GRAB | | 09/04/25 15:11 | 09/05/25 10:40 |
| MW-28 | 1II0590-12 | Aqueous | GRAB | | 09/04/25 13:21 | 09/05/25 10:40 |
| MW-8B | 1II0590-13 | Aqueous | GRAB | | 09/04/25 14:35 | 09/05/25 10:40 |
| MW-9AR | 1II0590-14 | Aqueous | GRAB | | 09/04/25 12:07 | 09/05/25 10:40 |
| MW-14D | 1II0590-15 | Aqueous | GRAB | | 09/04/25 11:10 | 09/05/25 10:40 |
| MW-15R | 1II0590-16 | Aqueous | GRAB | | 09/04/25 12:55 | 09/05/25 10:40 |
| SW-2B | 1II0590-17 | Aqueous | GRAB | | 09/04/25 13:45 | 09/05/25 10:40 |
| SW-102 | 1II0590-18 | Aqueous | GRAB | | 09/04/25 13:35 | 09/05/25 10:40 |
| Duplicate | 1II0590-19 | Aqueous | GRAB | | 09/04/25 00:00 | 09/05/25 10:40 |
| GU-2 | 1II0590-20 | Aqueous | GRAB | | 09/04/25 10:17 | 09/05/25 10:40 |
| GU-A | 1II0590-21 | Aqueous | GRAB | | 09/04/25 10:00 | 09/05/25 10:40 |
| GU-B | 1II0590-22 | Aqueous | GRAB | | 09/04/25 09:48 | 09/05/25 10:40 |
| MW-44 | 1II0590-23 | Aqueous | GRAB | | 09/04/25 12:38 | 09/05/25 10:40 |
| MW-45A | 1II0590-24 | Aqueous | GRAB | | 09/04/25 09:30 | 09/05/25 10:40 |
| MW-45D | 1II0590-25 | Aqueous | GRAB | | 09/04/25 09:37 | 09/05/25 10:40 |
| MW-32 | 1II0590-26 | Aqueous | GRAB | | 09/04/25 12:24 | 09/05/25 10:40 |
| LW-26 | 1II0590-27 | Aqueous | GRAB | | 09/04/25 16:45 | 09/05/25 10:40 |

# CERTIFICATE OF ANALYSIS

1II0590

## Analytical Testing Parameters

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-34A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-01 | **Collection Date:** | 09/04/2025 10:46 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-34A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-01 | **Collection Date:** | 09/04/2025 10:46 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Surrogate: Dibromofluoromethane | 108 | .imit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Surrogate: Dibromofluoromethane | 108 | .imit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 108 | .imit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 108 | .imit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Surrogate: Toluene-d8 | 100 | .imit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Surrogate: Toluene-d8 | 100 | .imit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Surrogate: 4-Bromofluorobenzene | 93.5 | .imit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 1647 | RAF |
| Surrogate: 4-Bromofluorobenzene | 93.5 | .imit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 1647 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | **0.0011** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Arsenic, total | **0.0047** | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Barium, total | **0.299** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Chromium, total | **0.0011** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Nickel, total | **0.0050** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |
| Zinc, total | **0.0073** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1811 | RVV |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-18 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-02 | **Collection Date:** | 09/04/2025 10:35 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | **0.0010** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Arsenic, total | **0.0022** | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Barium, total | **0.827** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Cadmium, total | **0.0009** | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Chromium, total | **0.0010** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Cobalt, total | **0.0040** | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Nickel, total | **0.0155** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Selenium, total | **0.0025** | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |
| Zinc, total | **0.0310** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1825 | RVV |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-03 | **Collection Date:** | 09/04/2025 15:30 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-03 | **Collection Date:** | 09/04/2025 15:30 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Surrogate: Dibromofluoromethane | 104 | Limit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Surrogate: Dibromofluoromethane | 104 | Limit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Surrogate: Toluene-d8 | 101 | Limit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Surrogate: Toluene-d8 | 101 | Limit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Surrogate: 4-Bromofluorobenzene | 90.1 | Limit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 1710 | RAF |
| Surrogate: 4-Bromofluorobenzene | 90.1 | Limit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 1710 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Barium, total | **0.0727** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Cadmium, total | **0.0003** | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Chromium, total | **0.0010** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Cobalt, total | **0.0005** | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Nickel, total | **0.0307** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |
| Zinc, total | **0.0128** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1828 | RVV |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-21 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-04 | **Collection Date:** | 09/04/2025 14:15 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-21 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-04 | **Collection Date:** | 09/04/2025 14:15 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Surrogate: Dibromofluoromethane | 104 | Limit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Surrogate: Dibromofluoromethane | 104 | Limit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Surrogate: Toluene-d8 | 102 | Limit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Surrogate: Toluene-d8 | 102 | Limit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Surrogate: 4-Bromofluorobenzene | 95.4 | Limit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 1732 | RAF |
| Surrogate: 4-Bromofluorobenzene | 95.4 | Limit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 1732 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Barium, total | **0.169** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Chromium, total | **0.0011** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |
| Zinc, total | **0.0050** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1830 | RVV |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | TILE-1 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-05 | **Collection Date:** | 09/04/2025 11:53 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Vinyl Chloride | **1.4** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| cis-1,2-Dichloroethylene | **1.8** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Benzene | **2.5** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Chlorobenzene | **7.0** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | TILE-1 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-05 | **Collection Date:** | 09/04/2025 11:53 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,4-Dichlorobenzene | **3.9** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Surrogate: Dibromofluoromethane | 109 | Limit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Surrogate: Dibromofluoromethane | 109 | Limit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Surrogate: Toluene-d8 | 98.9 | Limit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Surrogate: Toluene-d8 | 98.9 | Limit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Surrogate: 4-Bromofluorobenzene | 96.2 | Limit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 1755 | RAF |
| Surrogate: 4-Bromofluorobenzene | 96.2 | Limit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 1755 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Arsenic, total | **0.0103** | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Barium, total | **1.99** | 0.0100 | mg/L | | 09/08/25 1451 | 09/10/25 1049 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Chromium, total | **0.0022** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Cobalt, total | **0.0033** | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Nickel, total | **0.0388** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Selenium, total | **0.0033** | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |
| Zinc, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1833 | RVV |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | TILE 2 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-06 | **Collection Date:** | 09/04/2025 11:32 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Vinyl Chloride | **4.2** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| cis-1,2-Dichloroethylene | **4.1** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Chlorobenzene | **2.2** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | TILE 2 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-06 | **Collection Date:** | 09/04/2025 11:32 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Surrogate: Dibromofluoromethane | 105 | .imit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Surrogate: Dibromofluoromethane | 105 | .imit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | .imit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | .imit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Surrogate: Toluene-d8 | 99.3 | .imit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Surrogate: Toluene-d8 | 99.3 | .imit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Surrogate: 4-Bromofluorobenzene | 94.2 | .imit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 1818 | RAF |
| Surrogate: 4-Bromofluorobenzene | 94.2 | .imit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 1818 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Arsenic, total | **0.0022** | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Barium, total | **0.697** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Cobalt, total | **0.0016** | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Nickel, total | **0.0100** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |
| Zinc, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1835 | RVV |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-11C | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-07 | **Collection Date:** | 09/04/2025 15:48 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-11C | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-07 | **Collection Date:** | 09/04/2025 15:48 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Surrogate: Dibromofluoromethane | 105 | .imit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Surrogate: Dibromofluoromethane | 105 | .imit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | .imit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | .imit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Surrogate: Toluene-d8 | 100 | .imit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Surrogate: Toluene-d8 | 100 | .imit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Surrogate: 4-Bromofluorobenzene | 97.2 | .imit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 1841 | RAF |
| Surrogate: 4-Bromofluorobenzene | 97.2 | .imit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 1841 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Barium, total | **0.0883** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Chromium, total | **0.0013** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Copper, total | **0.0081** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |
| Zinc, total | **0.0088** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1838 | RVV |

CERTIFICATE OF ANALYSIS

1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-39D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-08 | **Collection Date:** | 09/04/2025 8:08 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Barium, total | **0.0262** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Chromium, total | **0.0010** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |
| Zinc, total | **0.0064** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1840 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-41D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-09 | **Collection Date:** | 09/04/2025 8:42 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Barium, total | **0.0350** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Cobalt, total | **0.0010** | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |
| Zinc, total | **0.0153** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1843 | RVV |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-42D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-10 | **Collection Date:** | 09/04/2025 9:14 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Barium, total | **0.0333** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Chromium, total | **0.0010** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |
| Zinc, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1845 | RVV |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-17R | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-11 | **Collection Date:** | 09/04/2025 15:11 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-17R | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-11 | **Collection Date:** | 09/04/2025 15:11 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Surrogate: Dibromofluoromethane | 102 | Limit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Surrogate: Dibromofluoromethane | 102 | Limit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 105 | Limit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Surrogate: Toluene-d8 | 102 | Limit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Surrogate: Toluene-d8 | 102 | Limit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Surrogate: 4-Bromofluorobenzene | 90.4 | Limit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 1904 | RAF |
| Surrogate: 4-Bromofluorobenzene | 90.4 | Limit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 1904 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Barium, total | **0.459** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Chromium, total | **0.0013** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Cobalt, total | **0.0016** | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Nickel, total | **0.0225** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |
| Zinc, total | **0.0164** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1853 | RVV |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-28 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-12 | **Collection Date:** | 09/04/2025 13:21 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| cis-1,2-Dichloroethylene | **3.4** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-28 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-12 | **Collection Date:** | 09/04/2025 13:21 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Surrogate: Dibromofluoromethane | 107 | Limit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Surrogate: Dibromofluoromethane | 107 | Limit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 106 | Limit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 106 | Limit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Surrogate: Toluene-d8 | 99.9 | Limit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Surrogate: Toluene-d8 | 99.9 | Limit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Surrogate: 4-Bromofluorobenzene | 89.2 | Limit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 1926 | RAF |
| Surrogate: 4-Bromofluorobenzene | 89.2 | Limit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 1926 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Arsenic, total | **0.0050** | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Barium, total | **0.688** | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Cobalt, total | **0.0172** | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Nickel, total | **0.0111** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |
| Zinc, total | **0.0082** | 0.0050 | mg/L | | 09/08/25 1451 | 09/09/25 1855 | RVV |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-8B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-13 | **Collection Date:** | 09/04/2025 14:35 |

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

| Volatile Organic Compounds by GCMS | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA RSK-175** | | | | | | | |
| Methane | **166** | 5.00 | ug/L | | 09/10/25 1101 | 09/10/25 1751 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | | 09/10/25 1101 | 09/10/25 1751 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | **Q7** | 09/10/25 1101 | 09/10/25 1751 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Carbon Disulfide | **1.3** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-8B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-13 | **Collection Date:** | 09/04/2025 14:35 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Surrogate: Dibromofluoromethane | 101 | .imit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Surrogate: Dibromofluoromethane | 101 | .imit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 106 | .imit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 106 | .imit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Surrogate: Toluene-d8 | 98.5 | .imit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Surrogate: Toluene-d8 | 98.5 | .imit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.6 | .imit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 1949 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.6 | .imit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 1949 | RAF |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **SM 2320 B-2011** | | | | | | | |
| Alkalinity, as CaCO3 | **744** | 50 | mg/L | | | 09/09/25 1408 | BSS |
| **SM 4500-H+ B-2011** | | | | | | | |
| pH | **6.5** | 0.5 | pH | **H4** | | 09/09/25 1419 | BSS |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Arsenic, total | **0.0181** | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Barium, total | **0.955** | 0.0010 | mg/L | **M6** | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Chromium, total | **0.0011** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Cobalt, total | **0.0107** | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Nickel, total | **0.0058** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |

CERTIFICATE OF ANALYSIS

1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-8B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-13 | **Collection Date:** | 09/04/2025 14:35 |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |
| Zinc, total | **0.0129** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1550 | JAR |

CERTIFICATE OF ANALYSIS

1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-9AR | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-14 | **Collection Date:** | 09/04/2025 12:07 |

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

| Volatile Organic Compounds by GCMS | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA RSK-175** | | | | | | | |
| Methane | **250** | 5.00 | ug/L | | 09/10/25 1101 | 09/10/25 1806 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | | 09/10/25 1101 | 09/10/25 1806 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | **Q7** | 09/10/25 1101 | 09/10/25 1806 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Vinyl Chloride | **8.2** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Carbon Disulfide | **1.1** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| trans-1,2-Dichloroethylene | **1.9** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| cis-1,2-Dichloroethylene | **34.5** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Trichloroethylene | **2.5** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-9AR | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-14 | **Collection Date:** | 09/04/2025 12:07 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Chlorobenzene | **1.8** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Surrogate: Dibromofluoromethane | 102 | .imit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Surrogate: Dibromofluoromethane | 102 | .imit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 102 | .imit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 102 | .imit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Surrogate: Toluene-d8 | 101 | .imit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Surrogate: Toluene-d8 | 101 | .imit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Surrogate: 4-Bromofluorobenzene | 93.2 | .imit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 2012 | RAF |
| Surrogate: 4-Bromofluorobenzene | 93.2 | .imit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 2012 | RAF |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **SM 2320 B-2011** | | | | | | | |
| Alkalinity, as CaCO3 | **544** | 50 | mg/L | | | 09/09/25 1408 | BSS |
| **SM 4500-H+ B-2011** | | | | | | | |
| pH | **6.8** | 0.5 | pH | **H4** | | 09/09/25 1419 | BSS |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | **0.0036** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Barium, total | **0.335** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Cadmium, total | **0.0023** | 0.0002 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Cobalt, total | **0.0010** | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Nickel, total | **0.0103** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Selenium, total | **0.0051** | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |

CERTIFICATE OF ANALYSIS

1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-9AR | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-14 | **Collection Date:** | 09/04/2025 12:07 |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |
| Zinc, total | **0.0428** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1559 | JAR |

CERTIFICATE OF ANALYSIS

1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-14D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-15 | **Collection Date:** | 09/04/2025 11:10 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-14D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-15 | **Collection Date:** | 09/04/2025 11:10 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Surrogate: Dibromofluoromethane | 102 | Limit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Surrogate: Dibromofluoromethane | 102 | Limit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | Limit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | Limit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Surrogate: Toluene-d8 | 97.3 | Limit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Surrogate: Toluene-d8 | 97.3 | Limit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.6 | Limit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 2035 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.6 | Limit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 2035 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | **0.0021** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Barium, total | **0.0193** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |
| Zinc, total | **0.0066** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1607 | JAR |

CERTIFICATE OF ANALYSIS

1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-15R | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-16 | **Collection Date:** | 09/04/2025 12:55 |

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

| Volatile Organic Compounds by GCMS | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA RSK-175** | | | | | | | |
| Methane | **7590** | 125 | ug/L | **D3** | 09/12/25 1144 | 09/12/25 1526 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | | 09/10/25 1101 | 09/10/25 1821 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | **Q7** | 09/10/25 1101 | 09/10/25 1821 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Carbon Disulfide | **1.0** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-15R | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-16 | **Collection Date:** | 09/04/2025 12:55 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Surrogate: Dibromofluoromethane | 104 | .imit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Surrogate: Dibromofluoromethane | 104 | .imit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 102 | .imit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 102 | .imit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Surrogate: Toluene-d8 | 102 | .imit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Surrogate: Toluene-d8 | 102 | .imit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Surrogate: 4-Bromofluorobenzene | 90.0 | .imit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 2058 | RAF |
| Surrogate: 4-Bromofluorobenzene | 90.0 | .imit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 2058 | RAF |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **SM 2320 B-2011** | | | | | | | |
| Alkalinity, as CaCO3 | **673** | 50 | mg/L | | | 09/09/25 1408 | BSS |
| **SM 4500-H+ B-2011** | | | | | | | |
| pH | **6.7** | 0.5 | pH | **H4** | | 09/09/25 1419 | BSS |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Arsenic, total | **0.0773** | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Barium, total | **0.919** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Cobalt, total | **0.0012** | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |

CERTIFICATE OF ANALYSIS

1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-15R | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-16 | **Collection Date:** | 09/04/2025 12:55 |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |
| Zinc, total | **0.0061** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1610 | JAR |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | SW-2B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-17 | **Collection Date:** | 09/04/2025 13:45 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |

CERTIFICATE OF ANALYSIS

1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | SW-2B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-17 | **Collection Date:** | 09/04/2025 13:45 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Surrogate: Dibromofluoromethane | 102 | .imit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Surrogate: Dibromofluoromethane | 102 | .imit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | .imit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | .imit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Surrogate: Toluene-d8 | 101 | .imit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Surrogate: Toluene-d8 | 101 | .imit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.6 | .imit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 2121 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.6 | .imit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 2121 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | SW-102 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-18 | **Collection Date:** | 09/04/2025 13:35 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |

CERTIFICATE OF ANALYSIS

1II0590

**Client Sample ID:** SW-102
**Sample Matrix:** Aqueous
**Lab Sample ID:** 1II0590-18
**Collected By:** Whipple, Todd
**Collection Date:** 09/04/2025 13:35

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Surrogate: Dibromofluoromethane | 99.6 | Limit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Surrogate: Dibromofluoromethane | 99.6 | Limit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 101 | Limit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 101 | Limit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Surrogate: Toluene-d8 | 101 | Limit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Surrogate: Toluene-d8 | 101 | Limit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Surrogate: 4-Bromofluorobenzene | 90.2 | Limit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 2144 | RAF |
| Surrogate: 4-Bromofluorobenzene | 90.2 | Limit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 2144 | RAF |

**Client Sample ID:** Duplicate
**Sample Matrix:** Aqueous
**Lab Sample ID:** 1II0590-19
**Collected By:** Whipple, Todd
**Collection Date:** 09/04/2025

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Barium, total | **0.0233** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |
| Zinc, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1612 | JAR |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-2 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-20 | **Collection Date:** | 09/04/2025 10:17 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-2 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-20 | **Collection Date:** | 09/04/2025 10:17 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Surrogate: Dibromofluoromethane | 101 | .imit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Surrogate: Dibromofluoromethane | 101 | .imit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | .imit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 103 | .imit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Surrogate: Toluene-d8 | 102 | .imit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Surrogate: Toluene-d8 | 102 | .imit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.6 | .imit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 2207 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.6 | .imit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 2207 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | **0.0017** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Barium, total | **0.203** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Selenium, total | **0.0055** | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |
| Zinc, total | **0.0074** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1615 | JAR |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-21 | **Collection Date:** | 09/04/2025 10:00 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-21 | **Collection Date:** | 09/04/2025 10:00 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Surrogate: Dibromofluoromethane | 99.0 | Limit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Surrogate: Dibromofluoromethane | 99.0 | Limit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 91.4 | Limit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 91.4 | Limit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Surrogate: Toluene-d8 | 100 | Limit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Surrogate: Toluene-d8 | 100 | Limit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Surrogate: 4-Bromofluorobenzene | 93.9 | Limit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 2230 | RAF |
| Surrogate: 4-Bromofluorobenzene | 93.9 | Limit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 2230 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Barium, total | **0.0336** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Cadmium, total | **0.0009** | 0.0002 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Cobalt, total | **0.0006** | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Nickel, total | **0.0462** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |
| Zinc, total | **0.362** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1617 | JAR |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-22 | **Collection Date:** | 09/04/2025 9:48 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | GU-B | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-22 | **Collection Date:** | 09/04/2025 9:48 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Surrogate: Dibromofluoromethane | 101 | .imit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Surrogate: Dibromofluoromethane | 101 | .imit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 99.2 | .imit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 99.2 | .imit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Surrogate: Toluene-d8 | 99.4 | .imit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Surrogate: Toluene-d8 | 99.4 | .imit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Surrogate: 4-Bromofluorobenzene | 93.2 | .imit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 2252 | RAF |
| Surrogate: 4-Bromofluorobenzene | 93.2 | .imit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 2252 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Barium, total | **0.339** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Cadmium, total | **0.0004** | 0.0002 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Nickel, total | **0.0100** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |
| Zinc, total | **0.0307** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1620 | JAR |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-44 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-23 | **Collection Date:** | 09/04/2025 12:38 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Carbon Disulfide | **1.0** | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-44 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-23 | **Collection Date:** | 09/04/2025 12:38 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Surrogate: Dibromofluoromethane | 95.0 | Limit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Surrogate: Dibromofluoromethane | 95.0 | Limit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 93.5 | Limit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 93.5 | Limit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Surrogate: Toluene-d8 | 101 | Limit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Surrogate: Toluene-d8 | 101 | Limit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Surrogate: 4-Bromofluorobenzene | 89.3 | Limit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 2315 | RAF |
| Surrogate: 4-Bromofluorobenzene | 89.3 | Limit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 2315 | RAF |

| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 8270C** | | | | | | | |
| Bis(2-Ethylhexyl) Phthalate | <6 | 6 | ug/L | | 09/08/25 1254 | 09/18/25 1104 | EPP |
| Surrogate: Nitrobenzene-d5 | 80.5 | Limit: 17-154 | % Rec | | 09/08/25 1254 | 09/18/25 1104 | EPP |
| Surrogate: 2-Fluorobiphenyl | 83.1 | Limit: 15-150 | % Rec | | 09/08/25 1254 | 09/18/25 1104 | EPP |
| Surrogate: Terphenyl-dl4 | 103 | Limit: 10-179 | % Rec | | 09/08/25 1254 | 09/18/25 1104 | EPP |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Barium, total | **0.848** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Chromium, total | **0.0012** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Cobalt, total | **0.0005** | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |
| Zinc, total | **0.0087** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1622 | JAR |

CERTIFICATE OF ANALYSIS

1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-45A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-24 | **Collection Date:** | 09/04/2025 9:30 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-45A | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-24 | **Collection Date:** | 09/04/2025 9:30 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Surrogate: Dibromofluoromethane | 97.6 | Limit: 57-128 | % Rec | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Surrogate: Dibromofluoromethane | 97.6 | Limit: 75-136 | % Rec | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 95.8 | Limit: 49-135 | % Rec | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 95.8 | Limit: 61-142 | % Rec | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Surrogate: Toluene-d8 | 102 | Limit: 82-116 | % Rec | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Surrogate: Toluene-d8 | 102 | Limit: 82-121 | % Rec | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Surrogate: 4-Bromofluorobenzene | 89.7 | Limit: 77-114 | % Rec | | 09/09/25 0000 | 09/09/25 2338 | RAF |
| Surrogate: 4-Bromofluorobenzene | 89.7 | Limit: 80-116 | % Rec | | 09/09/25 0000 | 09/09/25 2338 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Barium, total | **0.0943** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Cobalt, total | **0.0038** | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |
| Zinc, total | **0.0135** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1625 | JAR |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-45D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-25 | **Collection Date:** | 09/04/2025 9:37 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-45D | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-25 | **Collection Date:** | 09/04/2025 9:37 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Surrogate: Dibromofluoromethane | 93.6 | Limit: 57-128 | % Rec | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Surrogate: Dibromofluoromethane | 93.6 | Limit: 75-136 | % Rec | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 92.5 | Limit: 49-135 | % Rec | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 92.5 | Limit: 61-142 | % Rec | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Surrogate: Toluene-d8 | 101 | Limit: 82-116 | % Rec | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Surrogate: Toluene-d8 | 101 | Limit: 82-121 | % Rec | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Surrogate: 4-Bromofluorobenzene | 86.6 | Limit: 77-114 | % Rec | | 09/09/25 0000 | 09/10/25 0001 | RAF |
| Surrogate: 4-Bromofluorobenzene | 86.6 | Limit: 80-116 | % Rec | | 09/09/25 0000 | 09/10/25 0001 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Antimony, total | **0.0016** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Arsenic, total | **0.0047** | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Barium, total | **0.0771** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Chromium, total | **0.0011** | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Copper, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Lead, total | <0.0010 | 0.0010 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Silver, total | <0.0050 | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |
| Zinc, total | **0.0090** | 0.0050 | mg/L | | 09/09/25 1519 | 09/10/25 1627 | JAR |

CERTIFICATE OF ANALYSIS

1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-32 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-26 | **Collection Date:** | 09/04/2025 12:24 |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Acetone | <10.0 | 10.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Chlorobenzene | **1.1** | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-32 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-26 | **Collection Date:** | 09/04/2025 12:24 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Surrogate: Dibromofluoromethane | 99.4 | Limit: 75-136 | % Rec | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Surrogate: Dibromofluoromethane | 99.4 | Limit: 57-128 | % Rec | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 96.1 | Limit: 49-135 | % Rec | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 96.1 | Limit: 61-142 | % Rec | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Surrogate: Toluene-d8 | 100 | Limit: 82-121 | % Rec | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Surrogate: Toluene-d8 | 100 | Limit: 82-116 | % Rec | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.8 | Limit: 77-114 | % Rec | | 09/10/25 0000 | 09/10/25 1032 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.8 | Limit: 80-116 | % Rec | | 09/10/25 0000 | 09/10/25 1032 | RAF |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | 09/09/25 1519 | 09/10/25 1630 | JAR |
| Cobalt, total | **0.0112** | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1630 | JAR |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | LW-26 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-27 | **Collection Date:** | 09/04/2025 16:45 |

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

| Volatile Organic Compounds by GCMS | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA RSK-175** | | | | | | | |
| Methane | **4230** | 125 | ug/L | **D3** | 09/12/25 1144 | 09/12/25 1539 | KJB |
| Ethene | <5.00 | 5.00 | ug/L | | 09/10/25 1101 | 09/10/25 1835 | KJB |
| Ethane | <5.00 | 5.00 | ug/L | **Q7** | 09/10/25 1101 | 09/10/25 1835 | KJB |

Analyses Performed by: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 8260D** | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Bromomethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Chloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Acetone | **13.8** | 10.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Benzene | **6.6** | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Dibromomethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Toluene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |

# CERTIFICATE OF ANALYSIS

## 1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | LW-26 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-27 | **Collection Date:** | 09/04/2025 16:45 |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Chlorobenzene | **6.6** | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Xylenes, total | <2.0 | 2.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Styrene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Bromoform | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,4-Dichlorobenzene | **3.4** | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Surrogate: Dibromofluoromethane | 96.8 | .imit: 57-128 | % Rec | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Surrogate: Dibromofluoromethane | 96.8 | .imit: 75-136 | % Rec | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 96.9 | .imit: 49-135 | % Rec | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 96.9 | .imit: 61-142 | % Rec | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Surrogate: Toluene-d8 | 99.3 | .imit: 82-116 | % Rec | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Surrogate: Toluene-d8 | 99.3 | .imit: 82-121 | % Rec | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.0 | .imit: 77-114 | % Rec | | 09/10/25 0000 | 09/10/25 1055 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.0 | .imit: 80-116 | % Rec | | 09/10/25 0000 | 09/10/25 1055 | RAF |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 410.4, Rv. 2 (1993)** | | | | | | | |
| COD, total | **931** | 54 | mg/L | | 09/11/25 1301 | 09/12/25 1452 | KAC |
| **SM 5210 B-2016** | | | | | | | |
| BOD (5 day) | **38** | 6 | mg/L | | | 09/05/25 1824 | MND |
| **TIMBERLINE** | | | | | | | |
| Nitrogen, Ammonia | **208** | 50.0 | mg/L | | 09/12/25 1336 | 09/12/25 1505 | BHF |
| **USGS I-1750-85** | | | | | | | |
| Total Dissolved Solids (TDS) | **2830** | 5 | mg/L | | 09/05/25 1037 | 09/09/25 1057 | LAW |
| **USGS I-3765-85** | | | | | | | |
| Total Suspended Solids (TSS) | **24** | 1 | mg/L | | 09/08/25 0709 | 09/08/25 1033 | LAW |

| Determination of Inorganic Anions | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 9056A** | | | | | | | |
| Chloride | **960** | 20.0 | mg/L | | | 09/09/25 1456 | BMS |
| Sulfate | **29.6** | 20.0 | mg/L | | | 09/09/25 1456 | BMS |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| **EPA 3005A/EPA 6020A** | | | | | | | |

CERTIFICATE OF ANALYSIS

1II0590

| | | | |
|---|---|---|---|
| **Client Sample ID:** | LW-26 | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1II0590-27 | **Collection Date:** | 09/04/2025 16:45 |

| Determination of Total Metals | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|
| Cobalt, total | **0.0107** | 0.0005 | mg/L | | 09/09/25 1519 | 09/10/25 1637 | JAR |

CERTIFICATE OF ANALYSIS

1II0590

**Batch Log Summary**

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| USGS I-1750-85 | 1II0313 | 1II0313-BLK1 | |
| | | 1II0590-27 | LW-26 |
| | | 1II0313-BS1 | |
| | | 1II0313-DUP1 | 1II0430-03 |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| SM 5210 B-2016 | 1II0350 | 1II0350-BLK1 | |
| | | 1II0350-SRM1 | |
| | | 1II0350-DUP1 | 1II0584-01 |
| | | 1II0590-27 | LW-26 |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| USGS I-3765-85 | 1II0367 | 1II0590-27 | LW-26 |
| | | 1II0367-DUP1 | 1II0544-01 |
| | | 1II0367-BS1 | |
| | | 1II0367-BLK1 | |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| EPA 8270C | 1II0411 | 1II0411-BLK1 | |
| | | 1II0411-BS1 | |
| | | 1II0411-BSD1 | |
| | | 1II0590-23 | MW-44 |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| EPA 6020A | 1II0424 | 1II0424-BLK1 | |
| | | 1II0424-BS1 | |
| | | 1II0590-01 | MW-34A |
| | | 1II0424-MS1 | 1II0590-01 |
| | | 1II0424-MSD1 | 1II0590-01 |
| | | 1II0424-PS1 | 1II0590-01 |
| | | 1II0590-02 | MW-18 |
| | | 1II0590-03 | MW-6A |
| | | 1II0590-04 | MW-21 |
| | | 1II0590-05 | TILE-1 |
| | | 1II0590-06 | TILE 2 |
| | | 1II0590-07 | MW-11C |
| | | 1II0590-08 | MW-39D |
| | | 1II0590-09 | MW-41D |
| | | 1II0590-10 | MW-42D |
| | | 1II0590-11 | MW-17R |
| | | 1II0590-12 | MW-28 |
| | | 1II0590-05RE1 | TILE-1 |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| SM 2320 B-2011 | 1II0468 | 1II0468-BS1 | |
| | | 1II0468-BLK1 | |
| | | 1II0468-MS1 | 1II0590-13 |
| | | 1II0468-MRL1 | |
| | | 1II0590-13 | MW-8B |
| | | 1II0590-16 | MW-15R |
| | | 1II0590-14 | MW-9AR |
| | | 1II0468-MSD1 | 1II0590-13 |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |

CERTIFICATE OF ANALYSIS

1II0590

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| SM 4500-H+ B-2011 | 1II0475 | 1II0590-16 | MW-15R |
| | | 1II0590-14 | MW-9AR |
| | | 1II0475-SRM1 | |
| | | 1II0475-SRM2 | |
| | | 1II0590-13 | MW-8B |
| | | 1II0475-DUP1 | 1II0520-02 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 6020A | 1II0501 | 1II0501-BLK1 | |
| | | 1II0501-BLK1 | |
| | | 1II0501-BS1 | |
| | | 1II0501-BS1 | |
| | | 1II0590-13 | MW-8B |
| | | 1II0590-13 | MW-8B |
| | | 1II0501-MS1 | 1II0590-13 |
| | | 1II0501-MS1 | 1II0590-13 |
| | | 1II0501-MSD1 | 1II0590-13 |
| | | 1II0501-MSD1 | 1II0590-13 |
| | | 1II0501-PS1 | 1II0590-13 |
| | | 1II0501-PS1 | 1II0590-13 |
| | | 1II0590-14 | MW-9AR |
| | | 1II0590-14 | MW-9AR |
| | | 1II0590-15 | MW-14D |
| | | 1II0590-15 | MW-14D |
| | | 1II0590-16 | MW-15R |
| | | 1II0590-16 | MW-15R |
| | | 1II0590-19 | Duplicate |
| | | 1II0590-19 | Duplicate |
| | | 1II0590-20 | GU-2 |
| | | 1II0590-20 | GU-2 |
| | | 1II0590-21 | GU-A |
| | | 1II0590-21 | GU-A |
| | | 1II0590-22 | GU-B |
| | | 1II0590-22 | GU-B |
| | | 1II0590-23 | MW-44 |
| | | 1II0590-23 | MW-44 |
| | | 1II0590-24 | MW-45A |
| | | 1II0590-24 | MW-45A |
| | | 1II0590-25 | MW-45D |
| | | 1II0590-25 | MW-45D |
| | | 1II0590-26 | MW-32 |
| | | 1II0590-27 | LW-26 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 9056A | 1II0508 | 1II0508-BLK1 | |
| | | 1II0508-BS1 | |
| | | 1II0508-BSD1 | |
| | | 1II0508-MS1 | 1II0568-01 |
| | | 1II0508-MSD1 | 1II0568-01 |
| | | 1II0590-27 | LW-26 |
| | | 1II0508-BLK2 | |
| | | 1II0508-BS2 | |

CERTIFICATE OF ANALYSIS

1II0590

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 9056A | 1II0508 | 1II0508-BSD2 | |
| | | 1II0508-MS2 | 1II0689-03 |
| | | 1II0508-MSD2 | 1II0689-03 |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| EPA 8260D | 1II0517 | 1II0517-BS1 | |
| | | 1II0517-BSD1 | |
| | | 1II0517-BLK1 | |
| | | 1II0590-01 | MW-34A |
| | | 1II0590-03 | MW-6A |
| | | 1II0590-04 | MW-21 |
| | | 1II0590-05 | TILE-1 |
| | | 1II0590-06 | TILE 2 |
| | | 1II0590-07 | MW-11C |
| | | 1II0590-11 | MW-17R |
| | | 1II0590-12 | MW-28 |
| | | 1II0590-13 | MW-8B |
| | | 1II0590-14 | MW-9AR |
| | | 1II0590-15 | MW-14D |
| | | 1II0590-16 | MW-15R |
| | | 1II0590-17 | SW-2B |
| | | 1II0590-18 | SW-102 |
| | | 1II0590-20 | GU-2 |
| | | 1II0590-21 | GU-A |
| | | 1II0590-22 | GU-B |
| | | 1II0590-23 | MW-44 |
| | | 1II0590-24 | MW-45A |
| | | 1II0590-25 | MW-45D |
| | | 1II0517-MS1 | 1II0590-01 |
| | | 1II0517-MSD1 | 1II0590-01 |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| EPA 8260D | 1II0616 | 1II0616-BS1 | |
| | | 1II0616-BLK1 | |
| | | 1II0590-26 | MW-32 |
| | | 1II0590-27 | LW-26 |
| | | 1II0616-MS1 | 1II0590-26 |
| | | 1II0616-MSD1 | 1II0590-26 |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| EPA 410.4, Rv. 2 (1993) | 1II0665 | 1II0665-MS1 | 1II0466-02RE2 |
| | | 1II0665-MSD1 | 1II0466-02RE2 |
| | | 1II0665-BLK1 | |
| | | 1II0665-BS1 | |
| | | 1II0590-27 | LW-26 |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| TIMBERLINE | 1II0762 | 1II0762-BLK1 | |
| | | 1II0762-BS1 | |
| | | 1II0590-27 | LW-26 |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| EPA RSK-175 | B5I0550 | B5I0550-BLK1 | |
| | | 1II0590-13 | MW-8B |
| | | 1II0590-14 | MW-9AR |

CERTIFICATE OF ANALYSIS

1II0590

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA RSK-175 | B5I0550 | 1II0590-16 | MW-15R |
| | | 1II0590-27 | LW-26 |
| | | B5I0550-BS1 | |
| | | B5I0550-BSD1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA RSK-175 | B5I0655 | B5I0655-BLK1 | |
| | | B5I0655-BS1 | |
| | | 1II0590-16RE1 | MW-15R |
| | | 1II0590-27RE1 | LW-26 |
| | | B5I0655-BSD1 | |

**Batch Quality Control Summary: Microbac Laboratories, Inc., Newton**

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0517 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1II0517-BLK1)** | Prepared: 09/09/25 00:00 Analyzed: 09/09/25 16:24 | | | | | | | | | |
| 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 | | | | | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0517 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1II0517-BLK1)** | | | Prepared: 09/09/25 00:00 Analyzed: 09/09/25 16:24 | | | | | | | |
| 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* | *53.4* | | ug/L | *50.2* | | *106* | *57-128* | | | |
| *Surrogate: Dibromofluoromethane* | *53.4* | | ug/L | *50.2* | | *106* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *52.4* | | ug/L | *50.4* | | *104* | *49-135* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *52.4* | | ug/L | *50.4* | | *104* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *51.1* | | ug/L | *50.5* | | *101* | *82-116* | | | |
| *Surrogate: Toluene-d8* | *51.1* | | ug/L | *50.5* | | *101* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.8* | | ug/L | *50.2* | | *93.4* | *77-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.8* | | ug/L | *50.2* | | *93.4* | *80-116* | | | |
| **LCS (1II0517-BS1)** | | | Prepared: 09/09/25 00:00 Analyzed: 09/09/25 15:15 | | | | | | | |
| Chloromethane | 35.81 | 1.0 | ug/L | 30.3 | | 118 | 63-155 | | | |
| Vinyl Chloride | 34.70 | 1.0 | ug/L | 30.2 | | 115 | 70-154 | | | |
| Bromomethane | 28.56 | 1.0 | ug/L | 30.1 | | 94.8 | 52-176 | | | |
| Chloroethane | 31.33 | 1.0 | ug/L | 30.3 | | 103 | 72-148 | | | |
| Trichlorofluoromethane | 34.61 | 1.0 | ug/L | 30.3 | | 114 | 70-152 | | | |
| 1,1-Dichloroethylene | 56.84 | 1.0 | ug/L | 50.1 | | 113 | 70-148 | | | |
| Acetone | 94.89 | 10.0 | ug/L | 100 | | 94.9 | 43-172 | | | |
| Methyl Iodide | 102.0 | 1.0 | ug/L | 100 | | 102 | 69-170 | | | |
| Carbon Disulfide | 115.8 | 1.0 | ug/L | 100 | | 116 | 72-162 | | | |
| Methylene Chloride | 52.92 | 5.0 | ug/L | 50.1 | | 106 | 68-142 | | | |
| Acrylonitrile | 103.3 | 5.0 | ug/L | 50.4 | | 205 | 33-163 | | | Q2 |
| trans-1,2-Dichloroethylene | 53.02 | 1.0 | ug/L | 50.1 | | 106 | 66-148 | | | |
| 1,1-Dichloroethane | 55.19 | 1.0 | ug/L | 50.1 | | 110 | 66-143 | | | |
| Vinyl Acetate | 179.2 | 5.0 | ug/L | 131 | | 137 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 49.51 | 1.0 | ug/L | 50.4 | | 98.3 | 71-149 | | | |
| 2-Butanone (MEK) | 102.3 | 10.0 | ug/L | 100 | | 102 | 52-159 | | | |
| Bromochloromethane | 53.01 | 1.0 | ug/L | 50.4 | | 105 | 69-143 | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0517 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS (1II0517-BS1)** | | | Prepared: 09/09/25 00:00 Analyzed: 09/09/25 15:15 | | | | | | | |
| Chloroform | 53.96 | 1.0 | ug/L | 50.1 | | 108 | 69-144 | | | |
| 1,1,1-Trichloroethane | 54.15 | 1.0 | ug/L | 50.1 | | 108 | 62-129 | | | |
| Carbon Tetrachloride | 57.46 | 1.0 | ug/L | 50.1 | | 115 | 63-141 | | | |
| Benzene | 48.92 | 1.0 | ug/L | 50.4 | | 97.0 | 71-134 | | | |
| 1,2-Dichloroethane | 52.64 | 1.0 | ug/L | 50.1 | | 105 | 72-132 | | | |
| Trichloroethylene | 52.22 | 1.0 | ug/L | 50.1 | | 104 | 71-135 | | | |
| 1,2-Dichloropropane | 51.84 | 1.0 | ug/L | 50.1 | | 103 | 69-136 | | | |
| Dibromomethane | 51.24 | 1.0 | ug/L | 50.4 | | 102 | 73-147 | | | |
| Bromodichloromethane | 54.17 | 1.0 | ug/L | 50.1 | | 108 | 68-129 | | | |
| cis-1,3-Dichloropropene | 53.55 | 1.0 | ug/L | 50.1 | | 107 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 107.4 | 5.0 | ug/L | 100 | | 107 | 58-147 | | | |
| Toluene | 49.10 | 1.0 | ug/L | 50.5 | | 97.3 | 72-133 | | | |
| trans-1,3-Dichloropropene | 56.16 | 1.0 | ug/L | 50.1 | | 112 | 67-130 | | | |
| 1,1,2-Trichloroethane | 49.44 | 1.0 | ug/L | 50.1 | | 98.7 | 69-135 | | | |
| Tetrachloroethylene | 52.64 | 1.0 | ug/L | 50.1 | | 105 | 69-130 | | | |
| 2-Hexanone (MBK) | 104.0 | 5.0 | ug/L | 100 | | 104 | 55-144 | | | |
| Dibromochloromethane | 50.48 | 1.0 | ug/L | 50.1 | | 101 | 73-127 | | | |
| 1,2-Dibromoethane | 53.57 | 1.0 | ug/L | 50.2 | | 107 | 67-132 | | | |
| Chlorobenzene | 49.42 | 1.0 | ug/L | 50.1 | | 98.7 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 51.92 | 1.0 | ug/L | 50.3 | | 103 | 73-127 | | | |
| Ethylbenzene | 50.23 | 1.0 | ug/L | 50.2 | | 100 | 71-127 | | | |
| Xylenes, total | 151.4 | 2.0 | ug/L | 151 | | 100 | 74-127 | | | |
| Styrene | 51.85 | 1.0 | ug/L | 50.4 | | 103 | 66-126 | | | |
| Bromoform | 56.38 | 1.0 | ug/L | 50.1 | | 113 | 68-130 | | | |
| 1,2,3-Trichloropropane | 52.43 | 1.0 | ug/L | 50.3 | | 104 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 103.6 | 5.0 | ug/L | 100 | | 104 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 50.39 | 1.0 | ug/L | 50.1 | | 101 | 61-131 | | | |
| 1,4-Dichlorobenzene | 46.99 | 1.0 | ug/L | 50.1 | | 93.7 | 70-129 | | | |
| 1,2-Dichlorobenzene | 49.79 | 1.0 | ug/L | 50.1 | | 99.4 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 52.55 | 5.0 | ug/L | 50.1 | | 105 | 50-143 | | | |
| *Surrogate: Dibromofluoromethane* | *52.7* | | ug/L | *50.2* | | *105* | *57-128* | | | |
| *Surrogate: Dibromofluoromethane* | *52.7* | | ug/L | *50.2* | | *105* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *53.0* | | ug/L | *50.4* | | *105* | *49-135* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *53.0* | | ug/L | *50.4* | | *105* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *50.2* | | ug/L | *50.5* | | *99.4* | *82-116* | | | |
| *Surrogate: Toluene-d8* | *50.2* | | ug/L | *50.5* | | *99.4* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *50.7* | | ug/L | *50.2* | | *101* | *77-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *50.7* | | ug/L | *50.2* | | *101* | *80-116* | | | |
| **LCS Dup (1II0517-BSD1)** | | | Prepared: 09/09/25 00:00 Analyzed: 09/09/25 15:38 | | | | | | | |
| Chloromethane | 34.99 | 1.0 | ug/L | 30.3 | | 115 | 63-155 | 2.32 | 24 | |
| Vinyl Chloride | 35.89 | 1.0 | ug/L | 30.2 | | 119 | 70-154 | 3.37 | 25 | |
| Bromomethane | 29.54 | 1.0 | ug/L | 30.1 | | 98.1 | 52-176 | 3.37 | 27 | |
| Chloroethane | 32.65 | 1.0 | ug/L | 30.3 | | 108 | 72-148 | 4.13 | 25 | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0517 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS Dup (1II0517-BSD1)** | Prepared: 09/09/25 00:00 Analyzed: 09/09/25 15:38 | | | | | | | | | |
| Trichlorofluoromethane | 36.36 | 1.0 | ug/L | 30.3 | | 120 | 70-152 | 4.93 | 26 | |
| 1,1-Dichloroethylene | 59.14 | 1.0 | ug/L | 50.1 | | 118 | 70-148 | 3.97 | 24 | |
| Acetone | 102.9 | 10.0 | ug/L | 100 | | 103 | 43-172 | 8.11 | 30 | |
| Methyl Iodide | 108.2 | 1.0 | ug/L | 100 | | 108 | 69-170 | 5.89 | 30 | |
| Carbon Disulfide | 120.7 | 1.0 | ug/L | 100 | | 121 | 72-162 | 4.08 | 24 | |
| Methylene Chloride | 52.76 | 5.0 | ug/L | 50.1 | | 105 | 68-142 | 0.303 | 21 | |
| Acrylonitrile | 102.2 | 5.0 | ug/L | 50.4 | | 203 | 33-163 | 1.00 | 28 | Q2 |
| trans-1,2-Dichloroethylene | 53.40 | 1.0 | ug/L | 50.1 | | 107 | 66-148 | 0.714 | 27 | |
| 1,1-Dichloroethane | 57.29 | 1.0 | ug/L | 50.1 | | 114 | 66-143 | 3.73 | 24 | |
| Vinyl Acetate | 181.5 | 5.0 | ug/L | 131 | | 139 | 43-153 | 1.29 | 30 | |
| cis-1,2-Dichloroethylene | 52.19 | 1.0 | ug/L | 50.4 | | 104 | 71-149 | 5.27 | 26 | |
| 2-Butanone (MEK) | 111.7 | 10.0 | ug/L | 100 | | 112 | 52-159 | 8.81 | 27 | |
| Bromochloromethane | 53.17 | 1.0 | ug/L | 50.4 | | 105 | 69-143 | 0.301 | 23 | |
| Chloroform | 55.09 | 1.0 | ug/L | 50.1 | | 110 | 69-144 | 2.07 | 23 | |
| 1,1,1-Trichloroethane | 57.09 | 1.0 | ug/L | 50.1 | | 114 | 62-129 | 5.29 | 24 | |
| Carbon Tetrachloride | 59.70 | 1.0 | ug/L | 50.1 | | 119 | 63-141 | 3.82 | 25 | |
| Benzene | 51.94 | 1.0 | ug/L | 50.4 | | 103 | 71-134 | 5.99 | 24 | |
| 1,2-Dichloroethane | 53.51 | 1.0 | ug/L | 50.1 | | 107 | 72-132 | 1.64 | 24 | |
| Trichloroethylene | 53.63 | 1.0 | ug/L | 50.1 | | 107 | 71-135 | 2.66 | 24 | |
| 1,2-Dichloropropane | 54.65 | 1.0 | ug/L | 50.1 | | 109 | 69-136 | 5.28 | 24 | |
| Dibromomethane | 51.54 | 1.0 | ug/L | 50.4 | | 102 | 73-147 | 0.584 | 25 | |
| Bromodichloromethane | 55.21 | 1.0 | ug/L | 50.1 | | 110 | 68-129 | 1.90 | 22 | |
| cis-1,3-Dichloropropene | 56.55 | 1.0 | ug/L | 50.1 | | 113 | 65-134 | 5.45 | 23 | |
| 4-Methyl-2-pentanone (MIBK) | 111.4 | 5.0 | ug/L | 100 | | 111 | 58-147 | 3.68 | 27 | |
| Toluene | 50.88 | 1.0 | ug/L | 50.5 | | 101 | 72-133 | 3.56 | 24 | |
| trans-1,3-Dichloropropene | 57.69 | 1.0 | ug/L | 50.1 | | 115 | 67-130 | 2.69 | 24 | |
| 1,1,2-Trichloroethane | 51.93 | 1.0 | ug/L | 50.1 | | 104 | 69-135 | 4.91 | 23 | |
| Tetrachloroethylene | 55.34 | 1.0 | ug/L | 50.1 | | 110 | 69-130 | 5.00 | 25 | |
| 2-Hexanone (MBK) | 108.5 | 5.0 | ug/L | 100 | | 108 | 55-144 | 4.24 | 25 | |
| Dibromochloromethane | 53.86 | 1.0 | ug/L | 50.1 | | 108 | 73-127 | 6.48 | 22 | |
| 1,2-Dibromoethane | 55.48 | 1.0 | ug/L | 50.2 | | 110 | 67-132 | 3.50 | 24 | |
| Chlorobenzene | 52.12 | 1.0 | ug/L | 50.1 | | 104 | 72-123 | 5.32 | 23 | |
| 1,1,1,2-Tetrachloroethane | 55.10 | 1.0 | ug/L | 50.3 | | 109 | 73-127 | 5.94 | 24 | |
| Ethylbenzene | 53.34 | 1.0 | ug/L | 50.2 | | 106 | 71-127 | 6.01 | 26 | |
| Xylenes, total | 160.8 | 2.0 | ug/L | 151 | | 106 | 74-127 | 6.03 | 25 | |
| Styrene | 54.95 | 1.0 | ug/L | 50.4 | | 109 | 66-126 | 5.81 | 23 | |
| Bromoform | 60.09 | 1.0 | ug/L | 50.1 | | 120 | 68-130 | 6.37 | 23 | |
| 1,2,3-Trichloropropane | 54.04 | 1.0 | ug/L | 50.3 | | 107 | 63-136 | 3.02 | 24 | |
| trans-1,4-Dichloro-2-butene | 108.2 | 5.0 | ug/L | 100 | | 108 | 54-134 | 4.38 | 27 | |
| 1,1,2,2-Tetrachloroethane | 47.19 | 1.0 | ug/L | 50.1 | | 94.2 | 61-131 | 6.56 | 29 | |
| 1,4-Dichlorobenzene | 47.14 | 1.0 | ug/L | 50.1 | | 94.0 | 70-129 | 0.319 | 24 | |
| 1,2-Dichlorobenzene | 49.85 | 1.0 | ug/L | 50.1 | | 99.5 | 69-126 | 0.120 | 26 | |
| 1,2-Dibromo-3-chloropropane | 52.90 | 5.0 | ug/L | 50.1 | | 106 | 50-143 | 0.664 | 30 | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0517 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS Dup (1II0517-BSD1)** | | | Prepared: 09/09/25 00:00 Analyzed: 09/09/25 15:38 | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *52.6* | | ug/L | *50.2* | | *105* | *57-128* | | | |
| *Surrogate: Dibromofluoromethane* | *52.6* | | ug/L | *50.2* | | *105* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *54.0* | | ug/L | *50.4* | | *107* | *49-135* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *54.0* | | ug/L | *50.4* | | *107* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *50.9* | | ug/L | *50.5* | | *101* | *82-116* | | | |
| *Surrogate: Toluene-d8* | *50.9* | | ug/L | *50.5* | | *101* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *52.0* | | ug/L | *50.2* | | *104* | *77-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *52.0* | | ug/L | *50.2* | | *104* | *80-116* | | | |
| **Matrix Spike (1II0517-MS1)** | **Source: 1II0590-01** | | Prepared: 09/09/25 00:00 Analyzed: 09/10/25 00:24 | | | | | | | |
| Chloromethane | 327.4 | 10.0 | ug/L | 303 | ND | 108 | 61-152 | | | |
| Vinyl Chloride | 319.9 | 10.0 | ug/L | 302 | ND | 106 | 66-149 | | | |
| Bromomethane | 287.8 | 10.0 | ug/L | 301 | ND | 95.5 | 43-171 | | | |
| Chloroethane | 306.7 | 10.0 | ug/L | 303 | ND | 101 | 69-148 | | | |
| Trichlorofluoromethane | 320.2 | 10.0 | ug/L | 303 | ND | 106 | 62-163 | | | |
| 1,1-Dichloroethylene | 534.9 | 10.0 | ug/L | 501 | ND | 107 | 70-148 | | | |
| Acetone | 939.0 | 100 | ug/L | 1000 | ND | 93.9 | 45-173 | | | |
| Methyl Iodide | 830.5 | 10.0 | ug/L | 1000 | ND | 83.0 | 62-167 | | | |
| Carbon Disulfide | 1039 | 10.0 | ug/L | 1000 | ND | 104 | 71-163 | | | |
| Methylene Chloride | 471.6 | 50.0 | ug/L | 501 | ND | 94.1 | 69-140 | | | |
| Acrylonitrile | 876.1 | 50.0 | ug/L | 504 | ND | 174 | 32-159 | | | M1 |
| trans-1,2-Dichloroethylene | 502.4 | 10.0 | ug/L | 501 | ND | 100 | 69-144 | | | |
| 1,1-Dichloroethane | 516.6 | 10.0 | ug/L | 501 | ND | 103 | 70-138 | | | |
| Vinyl Acetate | 1550 | 50.0 | ug/L | 1310 | ND | 118 | 58-142 | | | |
| cis-1,2-Dichloroethylene | 485.7 | 10.0 | ug/L | 504 | ND | 96.5 | 68-151 | | | |
| 2-Butanone (MEK) | 1074 | 100 | ug/L | 1000 | ND | 107 | 50-160 | | | |
| Bromochloromethane | 504.0 | 10.0 | ug/L | 504 | ND | 100 | 65-143 | | | |
| Chloroform | 504.4 | 10.0 | ug/L | 501 | ND | 101 | 71-143 | | | |
| 1,1,1-Trichloroethane | 516.8 | 10.0 | ug/L | 501 | ND | 103 | 63-133 | | | |
| Carbon Tetrachloride | 523.4 | 10.0 | ug/L | 501 | ND | 104 | 63-142 | | | |
| Benzene | 502.0 | 10.0 | ug/L | 504 | ND | 99.5 | 69-133 | | | |
| 1,2-Dichloroethane | 500.3 | 10.0 | ug/L | 501 | ND | 99.9 | 63-138 | | | |
| Trichloroethylene | 523.4 | 10.0 | ug/L | 501 | ND | 104 | 71-133 | | | |
| 1,2-Dichloropropane | 502.9 | 10.0 | ug/L | 501 | ND | 100 | 69-132 | | | |
| Dibromomethane | 465.2 | 10.0 | ug/L | 504 | ND | 92.4 | 70-147 | | | |
| Bromodichloromethane | 506.2 | 10.0 | ug/L | 501 | ND | 101 | 67-130 | | | |
| cis-1,3-Dichloropropene | 490.2 | 10.0 | ug/L | 501 | ND | 97.9 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1018 | 50.0 | ug/L | 1000 | ND | 102 | 55-147 | | | |
| Toluene | 495.1 | 10.0 | ug/L | 505 | ND | 98.1 | 71-133 | | | |
| trans-1,3-Dichloropropene | 526.1 | 10.0 | ug/L | 501 | ND | 105 | 63-124 | | | |
| 1,1,2-Trichloroethane | 487.7 | 10.0 | ug/L | 501 | ND | 97.4 | 69-133 | | | |
| Tetrachloroethylene | 549.5 | 10.0 | ug/L | 501 | ND | 110 | 70-124 | | | |
| 2-Hexanone (MBK) | 990.6 | 50.0 | ug/L | 1000 | ND | 99.1 | 53-141 | | | |
| Dibromochloromethane | 507.7 | 10.0 | ug/L | 501 | ND | 101 | 74-122 | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0517 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1II0517-MS1)** | **Source: 1II0590-01** | | Prepared: 09/09/25 00:00 Analyzed: 09/10/25 00:24 | | | | | | | |
| 1,2-Dibromoethane | 521.8 | 10.0 | ug/L | 502 | ND | 104 | 66-127 | | | |
| Chlorobenzene | 507.8 | 10.0 | ug/L | 501 | ND | 101 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 502.3 | 10.0 | ug/L | 503 | ND | 99.8 | 77-121 | | | |
| Ethylbenzene | 508.1 | 10.0 | ug/L | 502 | ND | 101 | 73-124 | | | |
| Xylenes, total | 1541 | 20.0 | ug/L | 1510 | ND | 102 | 75-123 | | | |
| Styrene | 538.0 | 10.0 | ug/L | 504 | ND | 107 | 70-120 | | | |
| Bromoform | 549.7 | 10.0 | ug/L | 501 | ND | 110 | 70-124 | | | |
| 1,2,3-Trichloropropane | 512.3 | 10.0 | ug/L | 503 | ND | 102 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 989.4 | 50.0 | ug/L | 1000 | ND | 98.9 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 479.5 | 10.0 | ug/L | 501 | ND | 95.7 | 63-126 | | | |
| 1,4-Dichlorobenzene | 477.8 | 10.0 | ug/L | 501 | ND | 95.3 | 72-119 | | | |
| 1,2-Dichlorobenzene | 515.4 | 10.0 | ug/L | 501 | ND | 103 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 501.3 | 50.0 | ug/L | 501 | ND | 100 | 49-134 | | | |
| *Surrogate: Dibromofluoromethane* | *514* | | ug/L | *502* | | *102* | *57-128* | | | |
| *Surrogate: Dibromofluoromethane* | *514* | | ug/L | *502* | | *102* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *495* | | ug/L | *504* | | *98.3* | *49-135* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *495* | | ug/L | *504* | | *98.3* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *494* | | ug/L | *505* | | *98.0* | *82-116* | | | |
| *Surrogate: Toluene-d8* | *494* | | ug/L | *505* | | *98.0* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *528* | | ug/L | *502* | | *105* | *77-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *528* | | ug/L | *502* | | *105* | *80-116* | | | |
| **Matrix Spike Dup (1II0517-MSD1)** | **Source: 1II0590-01** | | Prepared: 09/09/25 00:00 Analyzed: 09/10/25 00:47 | | | | | | | |
| Chloromethane | 321.9 | 10.0 | ug/L | 303 | ND | 106 | 61-152 | 1.69 | 26 | |
| Vinyl Chloride | 313.4 | 10.0 | ug/L | 302 | ND | 104 | 66-149 | 2.05 | 23 | |
| Bromomethane | 264.9 | 10.0 | ug/L | 301 | ND | 87.9 | 43-171 | 8.29 | 29 | |
| Chloroethane | 283.4 | 10.0 | ug/L | 303 | ND | 93.5 | 69-148 | 7.90 | 25 | |
| Trichlorofluoromethane | 300.9 | 10.0 | ug/L | 303 | ND | 99.3 | 62-163 | 6.21 | 25 | |
| 1,1-Dichloroethylene | 517.5 | 10.0 | ug/L | 501 | ND | 103 | 70-148 | 3.31 | 22 | |
| Acetone | 911.8 | 100 | ug/L | 1000 | ND | 91.2 | 45-173 | 2.94 | 30 | |
| Methyl Iodide | 892.7 | 10.0 | ug/L | 1000 | ND | 89.3 | 62-167 | 7.22 | 24 | |
| Carbon Disulfide | 1021 | 10.0 | ug/L | 1000 | ND | 102 | 71-163 | 1.81 | 22 | |
| Methylene Chloride | 472.2 | 50.0 | ug/L | 501 | ND | 94.2 | 69-140 | 0.127 | 19 | |
| Acrylonitrile | 885.6 | 50.0 | ug/L | 504 | ND | 176 | 32-159 | 1.08 | 30 | M1 |
| trans-1,2-Dichloroethylene | 486.0 | 10.0 | ug/L | 501 | ND | 97.0 | 69-144 | 3.32 | 22 | |
| 1,1-Dichloroethane | 523.1 | 10.0 | ug/L | 501 | ND | 104 | 70-138 | 1.25 | 20 | |
| Vinyl Acetate | 1531 | 50.0 | ug/L | 1310 | ND | 117 | 58-142 | 1.26 | 24 | |
| cis-1,2-Dichloroethylene | 486.1 | 10.0 | ug/L | 504 | ND | 96.5 | 68-151 | 0.0823 | 22 | |
| 2-Butanone (MEK) | 1004 | 100 | ug/L | 1000 | ND | 100 | 50-160 | 6.75 | 23 | |
| Bromochloromethane | 498.6 | 10.0 | ug/L | 504 | ND | 98.9 | 65-143 | 1.08 | 22 | |
| Chloroform | 494.3 | 10.0 | ug/L | 501 | ND | 98.7 | 71-143 | 2.02 | 21 | |
| 1,1,1-Trichloroethane | 503.0 | 10.0 | ug/L | 501 | ND | 100 | 63-133 | 2.71 | 23 | |
| Carbon Tetrachloride | 536.3 | 10.0 | ug/L | 501 | ND | 107 | 63-142 | 2.43 | 22 | |
| Benzene | 482.5 | 10.0 | ug/L | 504 | ND | 95.7 | 69-133 | 3.96 | 18 | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0517 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1II0517-MSD1)** | **Source: 1II0590-01** | Prepared: 09/09/25 00:00 Analyzed: 09/10/25 00:47 | | | | | | | | |
| 1,2-Dichloroethane | 513.6 | 10.0 | ug/L | 501 | ND | 103 | 63-138 | 2.62 | 20 | |
| Trichloroethylene | 505.8 | 10.0 | ug/L | 501 | ND | 101 | 71-133 | 3.42 | 23 | |
| 1,2-Dichloropropane | 493.3 | 10.0 | ug/L | 501 | ND | 98.5 | 69-132 | 1.93 | 20 | |
| Dibromomethane | 466.5 | 10.0 | ug/L | 504 | ND | 92.6 | 70-147 | 0.279 | 22 | |
| Bromodichloromethane | 507.2 | 10.0 | ug/L | 501 | ND | 101 | 67-130 | 0.197 | 21 | |
| cis-1,3-Dichloropropene | 494.1 | 10.0 | ug/L | 501 | ND | 98.7 | 61-126 | 0.792 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 977.9 | 50.0 | ug/L | 1000 | ND | 97.8 | 55-147 | 4.01 | 23 | |
| Toluene | 478.5 | 10.0 | ug/L | 505 | ND | 94.8 | 71-133 | 3.41 | 19 | |
| trans-1,3-Dichloropropene | 529.7 | 10.0 | ug/L | 501 | ND | 106 | 63-124 | 0.682 | 21 | |
| 1,1,2-Trichloroethane | 485.6 | 10.0 | ug/L | 501 | ND | 96.9 | 69-133 | 0.432 | 19 | |
| Tetrachloroethylene | 517.0 | 10.0 | ug/L | 501 | ND | 103 | 70-124 | 6.09 | 24 | |
| 2-Hexanone (MBK) | 986.8 | 50.0 | ug/L | 1000 | ND | 98.7 | 53-141 | 0.384 | 24 | |
| Dibromochloromethane | 507.0 | 10.0 | ug/L | 501 | ND | 101 | 74-122 | 0.138 | 21 | |
| 1,2-Dibromoethane | 512.6 | 10.0 | ug/L | 502 | ND | 102 | 66-127 | 1.78 | 23 | |
| Chlorobenzene | 499.6 | 10.0 | ug/L | 501 | ND | 99.8 | 76-116 | 1.63 | 21 | |
| 1,1,1,2-Tetrachloroethane | 503.3 | 10.0 | ug/L | 503 | ND | 100 | 77-121 | 0.199 | 25 | |
| Ethylbenzene | 496.2 | 10.0 | ug/L | 502 | ND | 98.9 | 73-124 | 2.37 | 20 | |
| Xylenes, total | 1486 | 20.0 | ug/L | 1510 | ND | 98.4 | 75-123 | 3.65 | 20 | |
| Styrene | 526.4 | 10.0 | ug/L | 504 | ND | 105 | 70-120 | 2.18 | 23 | |
| Bromoform | 570.4 | 10.0 | ug/L | 501 | ND | 114 | 70-124 | 3.70 | 22 | |
| 1,2,3-Trichloropropane | 503.0 | 10.0 | ug/L | 503 | ND | 99.9 | 62-135 | 1.83 | 28 | |
| trans-1,4-Dichloro-2-butene | 990.5 | 50.0 | ug/L | 1000 | ND | 99.0 | 50-120 | 0.111 | 26 | |
| 1,1,2,2-Tetrachloroethane | 464.0 | 10.0 | ug/L | 501 | ND | 92.6 | 63-126 | 3.29 | 24 | |
| 1,4-Dichlorobenzene | 452.0 | 10.0 | ug/L | 501 | ND | 90.2 | 72-119 | 5.55 | 24 | |
| 1,2-Dichlorobenzene | 479.0 | 10.0 | ug/L | 501 | ND | 95.6 | 71-117 | 7.32 | 24 | |
| 1,2-Dibromo-3-chloropropane | 516.1 | 50.0 | ug/L | 501 | ND | 103 | 49-134 | 2.91 | 28 | |
| *Surrogate: Dibromofluoromethane* | *503* | | ug/L | *502* | | *100* | *57-128* | | | |
| *Surrogate: Dibromofluoromethane* | *503* | | ug/L | *502* | | *100* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *526* | | ug/L | *504* | | *104* | *49-135* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *526* | | ug/L | *504* | | *104* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *504* | | ug/L | *505* | | *99.8* | *82-116* | | | |
| *Surrogate: Toluene-d8* | *504* | | ug/L | *505* | | *99.8* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *530* | | ug/L | *502* | | *106* | *77-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *530* | | ug/L | *502* | | *106* | *80-116* | | | |
| **Batch 1II0616 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1II0616-BLK1)** | Prepared: 09/10/25 00:00 Analyzed: 09/10/25 10:09 | | | | | | | | | |
| 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 | | | | | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0616 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1II0616-BLK1)** | | | Prepared: 09/10/25 00:00 Analyzed: 09/10/25 10:09 | | | | | | | |
| Acetone | <10.0 | 10.0 | ug/L | | | | | | | |
| Methyl Iodide | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | | | | | | | |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | | | | | | |
| Acrylonitrile | <5.0 | 5.0 | ug/L | | | | | | | |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Vinyl Acetate | <5.0 | 5.0 | ug/L | | | | | | | |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | | | | | | |
| Bromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| Dibromomethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Toluene | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Hexanone (MBK) | <5.0 | 5.0 | ug/L | | | | | | | |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Xylenes, total | <2.0 | 2.0 | ug/L | | | | | | | |
| Styrene | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromoform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,4-Dichloro-2-butene | <5.0 | 5.0 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 | ug/L | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *47.3* | | ug/L | *50.2* | | *94.1* | *57-128* | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0616 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Blank (1II0616-BLK1)** | | | Prepared: 09/10/25 00:00 Analyzed: 09/10/25 10:09 | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *47.3* | | ug/L | *50.2* | | *94.1* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *48.1* | | ug/L | *50.4* | | *95.4* | *49-135* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *48.1* | | ug/L | *50.4* | | *95.4* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *50.3* | | ug/L | *50.5* | | *99.6* | *82-116* | | | |
| *Surrogate: Toluene-d8* | *50.3* | | ug/L | *50.5* | | *99.6* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *44.4* | | ug/L | *50.2* | | *88.5* | *77-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *44.4* | | ug/L | *50.2* | | *88.5* | *80-116* | | | |
| **LCS (1II0616-BS1)** | | | Prepared: 09/10/25 00:00 Analyzed: 09/10/25 09:23 | | | | | | | |
| Chloromethane | 33.38 | 1.0 | ug/L | 30.3 | | 110 | 63-155 | | | |
| Vinyl Chloride | 33.04 | 1.0 | ug/L | 30.2 | | 109 | 70-154 | | | |
| Bromomethane | 27.96 | 1.0 | ug/L | 30.1 | | 92.8 | 52-176 | | | |
| Chloroethane | 28.93 | 1.0 | ug/L | 30.3 | | 95.4 | 72-148 | | | |
| Trichlorofluoromethane | 31.43 | 1.0 | ug/L | 30.3 | | 104 | 70-152 | | | |
| 1,1-Dichloroethylene | 52.25 | 1.0 | ug/L | 50.1 | | 104 | 70-148 | | | |
| Acetone | 85.21 | 10.0 | ug/L | 100 | | 85.2 | 43-172 | | | |
| Methyl Iodide | 92.79 | 1.0 | ug/L | 100 | | 92.8 | 69-170 | | | |
| Carbon Disulfide | 105.2 | 1.0 | ug/L | 100 | | 105 | 72-162 | | | |
| Methylene Chloride | 46.83 | 5.0 | ug/L | 50.1 | | 93.5 | 68-142 | | | |
| Acrylonitrile | 83.87 | 5.0 | ug/L | 50.4 | | 167 | 33-163 | | | Q2 |
| trans-1,2-Dichloroethylene | 48.72 | 1.0 | ug/L | 50.1 | | 97.3 | 66-148 | | | |
| 1,1-Dichloroethane | 51.49 | 1.0 | ug/L | 50.1 | | 103 | 66-143 | | | |
| Vinyl Acetate | 161.5 | 5.0 | ug/L | 131 | | 123 | 43-153 | | | |
| cis-1,2-Dichloroethylene | 48.05 | 1.0 | ug/L | 50.4 | | 95.4 | 71-149 | | | |
| 2-Butanone (MEK) | 107.2 | 10.0 | ug/L | 100 | | 107 | 52-159 | | | |
| Bromochloromethane | 46.79 | 1.0 | ug/L | 50.4 | | 92.8 | 69-143 | | | |
| Chloroform | 47.27 | 1.0 | ug/L | 50.1 | | 94.4 | 69-144 | | | |
| 1,1,1-Trichloroethane | 51.83 | 1.0 | ug/L | 50.1 | | 103 | 62-129 | | | |
| Carbon Tetrachloride | 55.16 | 1.0 | ug/L | 50.1 | | 110 | 63-141 | | | |
| Benzene | 49.81 | 1.0 | ug/L | 50.4 | | 98.8 | 71-134 | | | |
| 1,2-Dichloroethane | 50.29 | 1.0 | ug/L | 50.1 | | 100 | 72-132 | | | |
| Trichloroethylene | 53.23 | 1.0 | ug/L | 50.1 | | 106 | 71-135 | | | |
| 1,2-Dichloropropane | 48.71 | 1.0 | ug/L | 50.1 | | 97.2 | 69-136 | | | |
| Dibromomethane | 48.06 | 1.0 | ug/L | 50.4 | | 95.4 | 73-147 | | | |
| Bromodichloromethane | 50.89 | 1.0 | ug/L | 50.1 | | 102 | 68-129 | | | |
| cis-1,3-Dichloropropene | 50.75 | 1.0 | ug/L | 50.1 | | 101 | 65-134 | | | |
| 4-Methyl-2-pentanone (MIBK) | 99.64 | 5.0 | ug/L | 100 | | 99.6 | 58-147 | | | |
| Toluene | 49.61 | 1.0 | ug/L | 50.5 | | 98.3 | 72-133 | | | |
| trans-1,3-Dichloropropene | 55.06 | 1.0 | ug/L | 50.1 | | 110 | 67-130 | | | |
| 1,1,2-Trichloroethane | 47.97 | 1.0 | ug/L | 50.1 | | 95.8 | 69-135 | | | |
| Tetrachloroethylene | 52.56 | 1.0 | ug/L | 50.1 | | 105 | 69-130 | | | |
| 2-Hexanone (MBK) | 97.17 | 5.0 | ug/L | 100 | | 97.2 | 55-144 | | | |
| Dibromochloromethane | 50.83 | 1.0 | ug/L | 50.1 | | 102 | 73-127 | | | |
| 1,2-Dibromoethane | 51.14 | 1.0 | ug/L | 50.2 | | 102 | 67-132 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0616 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **LCS (1II0616-BS1)** | | | Prepared: 09/10/25 00:00 Analyzed: 09/10/25 09:23 | | | | | | | |
| Chlorobenzene | 49.77 | 1.0 | ug/L | 50.1 | | 99.4 | 72-123 | | | |
| 1,1,1,2-Tetrachloroethane | 50.57 | 1.0 | ug/L | 50.3 | | 100 | 73-127 | | | |
| Ethylbenzene | 50.16 | 1.0 | ug/L | 50.2 | | 100 | 71-127 | | | |
| Xylenes, total | 151.9 | 2.0 | ug/L | 151 | | 101 | 74-127 | | | |
| Styrene | 53.24 | 1.0 | ug/L | 50.4 | | 106 | 66-126 | | | |
| Bromoform | 56.41 | 1.0 | ug/L | 50.1 | | 113 | 68-130 | | | |
| 1,2,3-Trichloropropane | 52.26 | 1.0 | ug/L | 50.3 | | 104 | 63-136 | | | |
| trans-1,4-Dichloro-2-butene | 108.3 | 5.0 | ug/L | 100 | | 108 | 54-134 | | | |
| 1,1,2,2-Tetrachloroethane | 49.34 | 1.0 | ug/L | 50.1 | | 98.5 | 61-131 | | | |
| 1,4-Dichlorobenzene | 47.65 | 1.0 | ug/L | 50.1 | | 95.1 | 70-129 | | | |
| 1,2-Dichlorobenzene | 50.83 | 1.0 | ug/L | 50.1 | | 101 | 69-126 | | | |
| 1,2-Dibromo-3-chloropropane | 54.30 | 5.0 | ug/L | 50.1 | | 108 | 50-143 | | | |
| *Surrogate: Dibromofluoromethane* | *48.9* | | ug/L | *50.2* | | *97.4* | *57-128* | | | |
| *Surrogate: Dibromofluoromethane* | *48.9* | | ug/L | *50.2* | | *97.4* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.7* | | ug/L | *50.4* | | *98.7* | *49-135* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.7* | | ug/L | *50.4* | | *98.7* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *49.7* | | ug/L | *50.5* | | *98.6* | *82-116* | | | |
| *Surrogate: Toluene-d8* | *49.7* | | ug/L | *50.5* | | *98.6* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *50.4* | | ug/L | *50.2* | | *100* | *77-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *50.4* | | ug/L | *50.2* | | *100* | *80-116* | | | |
| **Matrix Spike (1II0616-MS1)** | **Source: 1II0590-26** | | Prepared: 09/10/25 00:00 Analyzed: 09/10/25 13:57 | | | | | | | |
| Chloromethane | 331.8 | 10.0 | ug/L | 303 | ND | 109 | 61-152 | | | |
| Vinyl Chloride | 310.0 | 10.0 | ug/L | 302 | ND | 102 | 66-149 | | | |
| Bromomethane | 268.7 | 10.0 | ug/L | 301 | ND | 89.2 | 43-171 | | | |
| Chloroethane | 312.1 | 10.0 | ug/L | 303 | ND | 103 | 69-148 | | | |
| Trichlorofluoromethane | 329.5 | 10.0 | ug/L | 303 | ND | 109 | 62-163 | | | |
| 1,1-Dichloroethylene | 538.8 | 10.0 | ug/L | 501 | ND | 107 | 70-148 | | | |
| Acetone | 1019 | 100 | ug/L | 1000 | ND | 102 | 45-173 | | | |
| Methyl Iodide | 859.3 | 10.0 | ug/L | 1000 | ND | 85.9 | 62-167 | | | |
| Carbon Disulfide | 1050 | 10.0 | ug/L | 1000 | ND | 105 | 71-163 | | | |
| Methylene Chloride | 473.2 | 50.0 | ug/L | 501 | ND | 94.4 | 69-140 | | | |
| Acrylonitrile | 906.2 | 50.0 | ug/L | 504 | ND | 180 | 32-159 | | | M1 |
| trans-1,2-Dichloroethylene | 493.1 | 10.0 | ug/L | 501 | ND | 98.4 | 69-144 | | | |
| 1,1-Dichloroethane | 525.8 | 10.0 | ug/L | 501 | ND | 105 | 70-138 | | | |
| Vinyl Acetate | 1589 | 50.0 | ug/L | 1310 | ND | 121 | 58-142 | | | |
| cis-1,2-Dichloroethylene | 472.6 | 10.0 | ug/L | 504 | ND | 93.9 | 68-151 | | | |
| 2-Butanone (MEK) | 1043 | 100 | ug/L | 1000 | ND | 104 | 50-160 | | | |
| Bromochloromethane | 482.6 | 10.0 | ug/L | 504 | ND | 95.8 | 65-143 | | | |
| Chloroform | 501.4 | 10.0 | ug/L | 501 | ND | 100 | 71-143 | | | |
| 1,1,1-Trichloroethane | 507.3 | 10.0 | ug/L | 501 | ND | 101 | 63-133 | | | |
| Carbon Tetrachloride | 548.5 | 10.0 | ug/L | 501 | ND | 110 | 63-142 | | | |
| Benzene | 501.6 | 10.0 | ug/L | 504 | ND | 99.5 | 69-133 | | | |
| 1,2-Dichloroethane | 519.9 | 10.0 | ug/L | 501 | ND | 104 | 63-138 | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0616 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike (1II0616-MS1)** | **Source: 1II0590-26** | Prepared: 09/10/25 00:00 Analyzed: 09/10/25 13:57 | | | | | | | | |
| Trichloroethylene | 539.1 | 10.0 | ug/L | 501 | ND | 108 | 71-133 | | | |
| 1,2-Dichloropropane | 499.5 | 10.0 | ug/L | 501 | ND | 99.7 | 69-132 | | | |
| Dibromomethane | 487.5 | 10.0 | ug/L | 504 | ND | 96.8 | 70-147 | | | |
| Bromodichloromethane | 501.2 | 10.0 | ug/L | 501 | ND | 100 | 67-130 | | | |
| cis-1,3-Dichloropropene | 525.9 | 10.0 | ug/L | 501 | ND | 105 | 61-126 | | | |
| 4-Methyl-2-pentanone (MIBK) | 1062 | 50.0 | ug/L | 1000 | ND | 106 | 55-147 | | | |
| Toluene | 511.1 | 10.0 | ug/L | 505 | ND | 101 | 71-133 | | | |
| trans-1,3-Dichloropropene | 534.4 | 10.0 | ug/L | 501 | ND | 107 | 63-124 | | | |
| 1,1,2-Trichloroethane | 488.5 | 10.0 | ug/L | 501 | ND | 97.5 | 69-133 | | | |
| Tetrachloroethylene | 554.4 | 10.0 | ug/L | 501 | ND | 111 | 70-124 | | | |
| 2-Hexanone (MBK) | 1029 | 50.0 | ug/L | 1000 | ND | 103 | 53-141 | | | |
| Dibromochloromethane | 506.8 | 10.0 | ug/L | 501 | ND | 101 | 74-122 | | | |
| 1,2-Dibromoethane | 526.2 | 10.0 | ug/L | 502 | ND | 105 | 66-127 | | | |
| Chlorobenzene | 508.7 | 10.0 | ug/L | 501 | ND | 102 | 76-116 | | | |
| 1,1,1,2-Tetrachloroethane | 502.4 | 10.0 | ug/L | 503 | ND | 99.8 | 77-121 | | | |
| Ethylbenzene | 504.1 | 10.0 | ug/L | 502 | ND | 100 | 73-124 | | | |
| Xylenes, total | 1535 | 20.0 | ug/L | 1510 | ND | 102 | 75-123 | | | |
| Styrene | 530.8 | 10.0 | ug/L | 504 | ND | 105 | 70-120 | | | |
| Bromoform | 562.1 | 10.0 | ug/L | 501 | ND | 112 | 70-124 | | | |
| 1,2,3-Trichloropropane | 543.9 | 10.0 | ug/L | 503 | ND | 108 | 62-135 | | | |
| trans-1,4-Dichloro-2-butene | 1091 | 50.0 | ug/L | 1000 | ND | 109 | 50-120 | | | |
| 1,1,2,2-Tetrachloroethane | 467.7 | 10.0 | ug/L | 501 | ND | 93.3 | 63-126 | | | |
| 1,4-Dichlorobenzene | 455.0 | 10.0 | ug/L | 501 | ND | 90.8 | 72-119 | | | |
| 1,2-Dichlorobenzene | 493.2 | 10.0 | ug/L | 501 | ND | 98.5 | 71-117 | | | |
| 1,2-Dibromo-3-chloropropane | 485.0 | 50.0 | ug/L | 501 | ND | 96.8 | 49-134 | | | |
| *Surrogate: Dibromofluoromethane* | *495* | | ug/L | *502* | | *98.6* | *57-128* | | | |
| *Surrogate: Dibromofluoromethane* | *495* | | ug/L | *502* | | *98.6* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *501* | | ug/L | *504* | | *99.5* | *49-135* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *501* | | ug/L | *504* | | *99.5* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *503* | | ug/L | *505* | | *99.7* | *82-116* | | | |
| *Surrogate: Toluene-d8* | *503* | | ug/L | *505* | | *99.7* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *524* | | ug/L | *502* | | *104* | *77-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *524* | | ug/L | *502* | | *104* | *80-116* | | | |
| **Matrix Spike Dup (1II0616-MSD1)** | **Source: 1II0590-26** | Prepared: 09/10/25 00:00 Analyzed: 09/10/25 14:20 | | | | | | | | |
| Chloromethane | 311.1 | 10.0 | ug/L | 303 | ND | 103 | 61-152 | 6.44 | 26 | |
| Vinyl Chloride | 312.1 | 10.0 | ug/L | 302 | ND | 103 | 66-149 | 0.675 | 23 | |
| Bromomethane | 260.0 | 10.0 | ug/L | 301 | ND | 86.3 | 43-171 | 3.29 | 29 | |
| Chloroethane | 288.3 | 10.0 | ug/L | 303 | ND | 95.1 | 69-148 | 7.93 | 25 | |
| Trichlorofluoromethane | 306.4 | 10.0 | ug/L | 303 | ND | 101 | 62-163 | 7.27 | 25 | |
| 1,1-Dichloroethylene | 516.0 | 10.0 | ug/L | 501 | ND | 103 | 70-148 | 4.32 | 22 | |
| Acetone | 961.6 | 100 | ug/L | 1000 | ND | 96.2 | 45-173 | 5.76 | 30 | |
| Methyl Iodide | 915.2 | 10.0 | ug/L | 1000 | ND | 91.5 | 62-167 | 6.30 | 24 | |
| Carbon Disulfide | 1024 | 10.0 | ug/L | 1000 | ND | 102 | 71-163 | 2.55 | 22 | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0616 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1II0616-MSD1)** | **Source: 1II0590-26** | Prepared: 09/10/25 00:00 Analyzed: 09/10/25 14:20 | | | | | | | | |
| Methylene Chloride | 478.9 | 50.0 | ug/L | 501 | ND | 95.6 | 69-140 | 1.20 | 19 | |
| Acrylonitrile | 877.3 | 50.0 | ug/L | 504 | ND | 174 | 32-159 | 3.24 | 30 | M1 |
| trans-1,2-Dichloroethylene | 475.0 | 10.0 | ug/L | 501 | ND | 94.8 | 69-144 | 3.74 | 22 | |
| 1,1-Dichloroethane | 506.2 | 10.0 | ug/L | 501 | ND | 101 | 70-138 | 3.80 | 20 | |
| Vinyl Acetate | 1661 | 50.0 | ug/L | 1310 | ND | 127 | 58-142 | 4.41 | 24 | |
| cis-1,2-Dichloroethylene | 474.8 | 10.0 | ug/L | 504 | ND | 94.3 | 68-151 | 0.464 | 22 | |
| 2-Butanone (MEK) | 1091 | 100 | ug/L | 1000 | ND | 109 | 50-160 | 4.46 | 23 | |
| Bromochloromethane | 494.0 | 10.0 | ug/L | 504 | ND | 98.0 | 65-143 | 2.33 | 22 | |
| Chloroform | 482.7 | 10.0 | ug/L | 501 | ND | 96.4 | 71-143 | 3.80 | 21 | |
| 1,1,1-Trichloroethane | 486.6 | 10.0 | ug/L | 501 | ND | 97.1 | 63-133 | 4.17 | 23 | |
| Carbon Tetrachloride | 520.6 | 10.0 | ug/L | 501 | ND | 104 | 63-142 | 5.22 | 22 | |
| Benzene | 496.0 | 10.0 | ug/L | 504 | ND | 98.3 | 69-133 | 1.12 | 18 | |
| 1,2-Dichloroethane | 519.0 | 10.0 | ug/L | 501 | ND | 104 | 63-138 | 0.173 | 20 | |
| Trichloroethylene | 512.6 | 10.0 | ug/L | 501 | ND | 102 | 71-133 | 5.04 | 23 | |
| 1,2-Dichloropropane | 506.3 | 10.0 | ug/L | 501 | ND | 101 | 69-132 | 1.35 | 20 | |
| Dibromomethane | 482.4 | 10.0 | ug/L | 504 | ND | 95.8 | 70-147 | 1.05 | 22 | |
| Bromodichloromethane | 514.9 | 10.0 | ug/L | 501 | ND | 103 | 67-130 | 2.70 | 21 | |
| cis-1,3-Dichloropropene | 534.3 | 10.0 | ug/L | 501 | ND | 107 | 61-126 | 1.58 | 21 | |
| 4-Methyl-2-pentanone (MIBK) | 1052 | 50.0 | ug/L | 1000 | ND | 105 | 55-147 | 0.908 | 23 | |
| Toluene | 480.9 | 10.0 | ug/L | 505 | ND | 95.3 | 71-133 | 6.09 | 19 | |
| trans-1,3-Dichloropropene | 572.1 | 10.0 | ug/L | 501 | ND | 114 | 63-124 | 6.81 | 21 | |
| 1,1,2-Trichloroethane | 496.2 | 10.0 | ug/L | 501 | ND | 99.1 | 69-133 | 1.56 | 19 | |
| Tetrachloroethylene | 506.0 | 10.0 | ug/L | 501 | ND | 101 | 70-124 | 9.13 | 24 | |
| 2-Hexanone (MBK) | 1036 | 50.0 | ug/L | 1000 | ND | 104 | 53-141 | 0.687 | 24 | |
| Dibromochloromethane | 525.4 | 10.0 | ug/L | 501 | ND | 105 | 74-122 | 3.60 | 21 | |
| 1,2-Dibromoethane | 517.8 | 10.0 | ug/L | 502 | ND | 103 | 66-127 | 1.61 | 23 | |
| Chlorobenzene | 492.1 | 10.0 | ug/L | 501 | ND | 98.3 | 76-116 | 3.32 | 21 | |
| 1,1,1,2-Tetrachloroethane | 510.5 | 10.0 | ug/L | 503 | ND | 101 | 77-121 | 1.60 | 25 | |
| Ethylbenzene | 483.3 | 10.0 | ug/L | 502 | ND | 96.3 | 73-124 | 4.21 | 20 | |
| Xylenes, total | 1468 | 20.0 | ug/L | 1510 | ND | 97.1 | 75-123 | 4.49 | 20 | |
| Styrene | 521.6 | 10.0 | ug/L | 504 | ND | 104 | 70-120 | 1.75 | 23 | |
| Bromoform | 554.4 | 10.0 | ug/L | 501 | ND | 111 | 70-124 | 1.38 | 22 | |
| 1,2,3-Trichloropropane | 519.0 | 10.0 | ug/L | 503 | ND | 103 | 62-135 | 4.69 | 28 | |
| trans-1,4-Dichloro-2-butene | 1069 | 50.0 | ug/L | 1000 | ND | 107 | 50-120 | 2.01 | 26 | |
| 1,1,2,2-Tetrachloroethane | 486.3 | 10.0 | ug/L | 501 | ND | 97.1 | 63-126 | 3.90 | 24 | |
| 1,4-Dichlorobenzene | 488.1 | 10.0 | ug/L | 501 | ND | 97.4 | 72-119 | 7.02 | 24 | |
| 1,2-Dichlorobenzene | 503.4 | 10.0 | ug/L | 501 | ND | 100 | 71-117 | 2.05 | 24 | |
| 1,2-Dibromo-3-chloropropane | 518.6 | 50.0 | ug/L | 501 | ND | 103 | 49-134 | 6.70 | 28 | |
| *Surrogate: Dibromofluoromethane* | *497* | | ug/L | *502* | | *99.1* | *57-128* | | | |
| *Surrogate: Dibromofluoromethane* | *497* | | ug/L | *502* | | *99.1* | *75-136* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *508* | | ug/L | *504* | | *101* | *49-135* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *508* | | ug/L | *504* | | *101* | *61-142* | | | |
| *Surrogate: Toluene-d8* | *503* | | ug/L | *505* | | *99.6* | *82-116* | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0616 - EPA 5030B - EPA 8260D** | | | | | | | | | | |
| **Matrix Spike Dup (1II0616-MSD1)** | **Source: 1II0590-26** | | Prepared: 09/10/25 00:00 Analyzed: 09/10/25 14:20 | | | | | | | |
| *Surrogate: Toluene-d8* | *503* | | ug/L | *505* | | *99.6* | *82-121* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *522* | | ug/L | *502* | | *104* | *77-114* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *522* | | ug/L | *502* | | *104* | *80-116* | | | |

| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0411 - EPA 625 BNA - EPA 8270C** | | | | | | | | | | |
| **Blank (1II0411-BLK1)** | | | Prepared: 09/08/25 12:54 Analyzed: 09/18/25 08:56 | | | | | | | |
| Bis(2-Ethylhexyl) Phthalate | 19.9 | 6 | ug/L | | | | | | | B1 |
| *Surrogate: Nitrobenzene-d5* | *15.3* | | ug/L | *19.5* | | *78.5* | *17-154* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *16.0* | | ug/L | *19.4* | | *82.3* | *15-150* | | | |
| *Surrogate: Terphenyl-dl4* | *11.2* | | ug/L | *12.2* | | *92.4* | *10-179* | | | |
| **LCS (1II0411-BS1)** | | | Prepared: 09/08/25 12:54 Analyzed: 09/18/25 09:21 | | | | | | | |
| Bis(2-Ethylhexyl) Phthalate | 12.1 | 6 | ug/L | 12.0 | | 101 | 32-180 | | | |
| *Surrogate: Nitrobenzene-d5* | *16.2* | | ug/L | *19.5* | | *83.3* | *34-138* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *15.9* | | ug/L | *19.4* | | *81.8* | *42-129* | | | |
| *Surrogate: Terphenyl-dl4* | *10.9* | | ug/L | *12.2* | | *89.2* | *46-154* | | | |
| **LCS Dup (1II0411-BSD1)** | | | Prepared: 09/08/25 12:54 Analyzed: 09/18/25 09:46 | | | | | | | |
| Bis(2-Ethylhexyl) Phthalate | 12.2 | 6 | ug/L | 12.0 | | 102 | 32-180 | 0.411 | 30 | |
| *Surrogate: Nitrobenzene-d5* | *16.6* | | ug/L | *19.5* | | *85.3* | *34-138* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *15.9* | | ug/L | *19.4* | | *82.0* | *42-129* | | | |
| *Surrogate: Terphenyl-dl4* | *10.3* | | ug/L | *12.2* | | *84.4* | *46-154* | | | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0313 - Wet Chem Preparation - USGS I-1750-85** | | | | | | | | | | |
| **Blank (1II0313-BLK1)** | | | Prepared: 09/05/25 10:37 Analyzed: 09/09/25 10:57 | | | | | | | |
| Total Dissolved Solids (TDS) | <5 | 5 | mg/L | | | | | | | |
| **LCS (1II0313-BS1)** | | | Prepared: 09/05/25 10:37 Analyzed: 09/09/25 10:57 | | | | | | | |
| Total Dissolved Solids (TDS) | 98 | 5 | mg/L | 100 | | 98.0 | 83-110 | | | |
| **Duplicate (1II0313-DUP1)** | **Source: 1II0430-03** | | Prepared: 09/05/25 10:37 Analyzed: 09/09/25 10:57 | | | | | | | |
| Total Dissolved Solids (TDS) | 1930 | 5 | mg/L | | 1850 | | | 4.23 | 20 | |
| **Batch 1II0350 - General Prep Micro - SM 5210 B-2016** | | | | | | | | | | |
| **Blank (1II0350-BLK1)** | | | Prepared & Analyzed: 09/05/25 17:03 | | | | | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0350 - General Prep Micro - SM 5210 B-2016** | | | | | | | | | | |
| **Blank (1II0350-BLK1)** | | | | Prepared & Analyzed: 09/05/25 17:03 | | | | | | |
| BOD (5 day) | <2 | 2 | mg/L | | | | | | | |
| **Duplicate (1II0350-DUP1)** | **Source: 1II0584-01** | | | Prepared & Analyzed: 09/05/25 17:50 | | | | | | |
| BOD (5 day) | 223 | 24 | mg/L | | 246 | | | 10.0 | 30 | |
| **Reference (1II0350-SRM1)** | | | | Prepared & Analyzed: 09/05/25 17:18 | | | | | | |
| BOD (5 day) | 172 | 100 | mg/L | 198 | | 86.7 | 84.6-115.4 | | | |
| **Batch 1II0367 - Wet Chem Preparation - USGS I-3765-85** | | | | | | | | | | |
| **Blank (1II0367-BLK1)** | | | | Prepared: 09/08/25 07:09 Analyzed: 09/08/25 10:33 | | | | | | |
| Total Suspended Solids (TSS) | <1 | 1 | mg/L | | | | | | | |
| **LCS (1II0367-BS1)** | | | | Prepared: 09/08/25 07:09 Analyzed: 09/08/25 10:33 | | | | | | |
| Total Suspended Solids (TSS) | 14.0 | 1 | mg/L | 15.0 | | 93.3 | 73-110 | | | |
| **Duplicate (1II0367-DUP1)** | **Source: 1II0544-01** | | | Prepared: 09/08/25 07:09 Analyzed: 09/08/25 10:33 | | | | | | |
| Total Suspended Solids (TSS) | 97.0 | 1 | mg/L | | 97.0 | | | 0.00 | 30 | |
| **Batch 1II0468 - Wet Chem Preparation - SM 2320 B-2011** | | | | | | | | | | |
| **Blank (1II0468-BLK1)** | | | | Prepared & Analyzed: 09/09/25 14:08 | | | | | | |
| Alkalinity, as CaCO3 | <10 | 10 | mg/L | | | | | | | |
| **LCS (1II0468-BS1)** | | | | Prepared & Analyzed: 09/09/25 14:08 | | | | | | |
| Alkalinity, as CaCO3 | 49.4 | 10 | mg/L | 50.0 | | 98.7 | 84-116 | | | |
| **Matrix Spike (1II0468-MS1)** | **Source: 1II0590-13** | | | Prepared & Analyzed: 09/09/25 14:08 | | | | | | |
| Alkalinity, as CaCO3 | 989 | 50 | mg/L | 250 | 744 | 98.2 | 70-130 | | | |
| **Matrix Spike Dup (1II0468-MSD1)** | **Source: 1II0590-13** | | | Prepared & Analyzed: 09/09/25 14:08 | | | | | | |
| Alkalinity, as CaCO3 | 993 | 50 | mg/L | 250 | 744 | 99.8 | 70-130 | 0.404 | 10 | |
| **Batch 1II0475 - Wet Chem Preparation - SM 4500-H+ B-2011** | | | | | | | | | | |
| **Duplicate (1II0475-DUP1)** | **Source: 1II0520-02** | | | Prepared & Analyzed: 09/09/25 14:19 | | | | | | |
| pH | 7.5 | 0.5 | pH | | 7.5 | | | 0.0134 | 10 | |
| **Reference (1II0475-SRM1)** | | | | Prepared & Analyzed: 09/09/25 14:19 | | | | | | |
| pH | 7.1 | 0.5 | pH | 7.00 | | 101 | 98.6-101.4 | | | |
| **Reference (1II0475-SRM2)** | | | | Prepared & Analyzed: 09/09/25 14:19 | | | | | | |
| pH | 7.1 | 0.5 | pH | 7.00 | | 101 | 98.6-101.4 | | | |
| **Batch 1II0665 - Wet Chem Preparation - EPA 410.4, Rv. 2 (1993)** | | | | | | | | | | |
| **Blank (1II0665-BLK1)** | | | | Prepared: 09/11/25 13:01 Analyzed: 09/11/25 22:44 | | | | | | |
| COD, total | <54 | 54 | mg/L | | | | | | | |
| **LCS (1II0665-BS1)** | | | | Prepared: 09/11/25 13:01 Analyzed: 09/11/25 22:44 | | | | | | |
| COD, total | 529 | 54 | mg/L | 500 | | 106 | 90-110 | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0665 - Wet Chem Preparation - EPA 410.4, Rv. 2 (1993)** | | | | | | | | | | |
| **Matrix Spike (1II0665-MS1)** | **Source: 1II0466-02RE2** | | Prepared: 09/11/25 13:01 Analyzed: 09/11/25 22:44 | | | | | | | |
| COD, total | 3700 | 216 | mg/L | 2000 | 449 | 163 | 90-110 | | | M1 |
| **Matrix Spike Dup (1II0665-MSD1)** | **Source: 1II0466-02RE2** | | Prepared: 09/11/25 13:01 Analyzed: 09/11/25 22:44 | | | | | | | |
| COD, total | 3670 | 216 | mg/L | 2000 | 449 | 161 | 90-110 | 0.930 | 10 | M1 |
| **Batch 1II0762 - General Prep HPLC/IC - TIMBERLINE** | | | | | | | | | | |
| **Blank (1II0762-BLK1)** | | | Prepared: 09/12/25 13:36 Analyzed: 09/12/25 14:19 | | | | | | | |
| Nitrogen, Ammonia | <1.00 | 1.00 | mg/L | | | | | | | |
| **LCS (1II0762-BS1)** | | | Prepared: 09/12/25 13:36 Analyzed: 09/12/25 14:21 | | | | | | | |
| Nitrogen, Ammonia | 5.28 | 1.00 | mg/L | 5.56 | | 95.0 | 90-114 | | | |

| Determination of Inorganic Anions | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0508 - General Prep HPLC/IC - EPA 9056A** | | | | | | | | | | |
| **Blank (1II0508-BLK1)** | | | Prepared & Analyzed: 09/09/25 09:24 | | | | | | | |
| Chloride | <1.0 | 1.0 | mg/L | | | | | | | |
| Sulfate | <1.0 | 1.0 | mg/L | | | | | | | |
| **Blank (1II0508-BLK2)** | | | Prepared & Analyzed: 09/09/25 16:47 | | | | | | | |
| Chloride | <1.0 | 1.0 | mg/L | | | | | | | |
| Sulfate | <1.0 | 1.0 | mg/L | | | | | | | |
| **LCS (1II0508-BS1)** | | | Prepared & Analyzed: 09/09/25 09:38 | | | | | | | |
| Chloride | 15.80 | 1.0 | mg/L | 15.7 | | 101 | 80-120 | | | |
| Sulfate | 35.27 | 1.0 | mg/L | 34.8 | | 101 | 80-120 | | | |
| **LCS (1II0508-BS2)** | | | Prepared & Analyzed: 09/09/25 17:01 | | | | | | | |
| Chloride | 16.00 | 1.0 | mg/L | 15.7 | | 102 | 80-120 | | | |
| Sulfate | 35.81 | 1.0 | mg/L | 34.8 | | 103 | 80-120 | | | |
| **LCS Dup (1II0508-BSD1)** | | | Prepared & Analyzed: 09/09/25 09:52 | | | | | | | |
| Chloride | 15.86 | 1.0 | mg/L | 15.7 | | 101 | 80-120 | 0.374 | 10 | |
| Sulfate | 35.36 | 1.0 | mg/L | 34.8 | | 101 | 80-120 | 0.245 | 10 | |
| **LCS Dup (1II0508-BSD2)** | | | Prepared & Analyzed: 09/09/25 17:15 | | | | | | | |
| Chloride | 16.02 | 1.0 | mg/L | 15.7 | | 102 | 80-120 | 0.150 | 10 | |
| Sulfate | 35.90 | 1.0 | mg/L | 34.8 | | 103 | 80-120 | 0.252 | 10 | |
| **Matrix Spike (1II0508-MS1)** | **Source: 1II0568-01** | | Prepared & Analyzed: 09/09/25 11:28 | | | | | | | |
| Chloride | 356.7 | 5.0 | mg/L | 78.4 | 271.4 | 109 | 81-116 | | | |
| Sulfate | 226.1 | 5.0 | mg/L | 174 | 35.42 | 109 | 87-113 | | | |
| **Matrix Spike (1II0508-MS2)** | **Source: 1II0689-03** | | Prepared & Analyzed: 09/09/25 20:28 | | | | | | | |
| Chloride | 361.5 | 5.0 | mg/L | 78.4 | 303.2 | 74.3 | 81-116 | | | M2 |
| Sulfate | 324.7 | 5.0 | mg/L | 174 | 151.5 | 99.4 | 87-113 | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Inorganic Anions | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0508 - General Prep HPLC/IC - EPA 9056A** | | | | | | | | | | |
| **Matrix Spike Dup (1II0508-MSD1)** | **Source: 1II0568-01** | | | Prepared & Analyzed: 09/09/25 11:42 | | | | | | |
| Chloride | 365.7 | 5.0 | mg/L | 78.4 | 271.4 | 120 | 81-116 | 2.50 | 10 | M1 |
| Sulfate | 233.3 | 5.0 | mg/L | 174 | 35.42 | 114 | 87-113 | 3.13 | 10 | M1 |
| **Matrix Spike Dup (1II0508-MSD2)** | **Source: 1II0689-03** | | | Prepared & Analyzed: 09/09/25 20:42 | | | | | | |
| Chloride | 369.3 | 5.0 | mg/L | 78.4 | 303.2 | 84.2 | 81-116 | 2.13 | 10 | |
| Sulfate | 332.0 | 5.0 | mg/L | 174 | 151.5 | 104 | 87-113 | 2.20 | 10 | |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0424 - EPA 3005A Total Recoverable Metals - EPA 6020A** | | | | | | | | | | |
| **Blank (1II0424-BLK1)** | | | | Prepared: 09/08/25 14:51 Analyzed: 09/09/25 17:40 | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | | | | | | |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Barium, total | <0.0010 | 0.0010 | mg/L | | | | | | | |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | | | | | | |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | | | | | | |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | | | | | | B |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | | | | | | |
| Copper, total | <0.0050 | 0.0050 | mg/L | | | | | | | |
| Lead, total | <0.0010 | 0.0010 | mg/L | | | | | | | |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | | | | | | |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Silver, total | <0.0050 | 0.0050 | mg/L | | | | | | | |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | | | | | | |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Zinc, total | <0.0050 | 0.0050 | mg/L | | | | | | | |
| **LCS (1II0424-BS1)** | | | | Prepared: 09/08/25 14:51 Analyzed: 09/09/25 17:43 | | | | | | |
| Antimony, total | 0.105 | 0.0010 | mg/L | 0.100 | | 105 | 80-120 | | | |
| Arsenic, total | 0.102 | 0.0020 | mg/L | 0.100 | | 102 | 80-120 | | | |
| Barium, total | 0.107 | 0.0010 | mg/L | 0.100 | | 107 | 80-120 | | | |
| Beryllium, total | 0.102 | 0.0005 | mg/L | 0.100 | | 102 | 80-120 | | | |
| Cadmium, total | 0.106 | 0.0002 | mg/L | 0.100 | | 106 | 80-120 | | | |
| Chromium, total | 0.105 | 0.0010 | mg/L | 0.100 | | 105 | 80-120 | | | |
| Cobalt, total | 0.107 | 0.0005 | mg/L | 0.100 | | 107 | 80-120 | | | |
| Copper, total | 0.0990 | 0.0050 | mg/L | 0.100 | | 99.0 | 80-120 | | | |
| Lead, total | 0.105 | 0.0010 | mg/L | 0.100 | | 105 | 80-120 | | | |
| Nickel, total | 0.0986 | 0.0050 | mg/L | 0.100 | | 98.6 | 80-120 | | | |
| Selenium, total | 0.1029 | 0.0020 | mg/L | 0.100 | | 103 | 80-120 | | | |
| Silver, total | 0.104 | 0.0050 | mg/L | 0.100 | | 104 | 80-120 | | | |
| Thallium, total | 0.105 | 0.0005 | mg/L | 0.100 | | 105 | 80-120 | | | |
| Vanadium, total | 0.113 | 0.0020 | mg/L | 0.100 | | 113 | 80-120 | | | |
| Zinc, total | 0.102 | 0.0050 | mg/L | 0.100 | | 102 | 80-120 | | | |
| **Matrix Spike (1II0424-MS1)** | **Source: 1II0590-01** | | | Prepared: 09/08/25 14:51 Analyzed: 09/09/25 18:13 | | | | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0424 - EPA 3005A Total Recoverable Metals - EPA 6020A** | | | | | | | | | | |
| **Matrix Spike (1II0424-MS1)** | **Source: 1II0590-01** | | Prepared: 09/08/25 14:51 Analyzed: 09/09/25 18:13 | | | | | | | |
| Antimony, total | 0.108 | 0.0010 | mg/L | 0.100 | 0.0011 | 107 | 75-125 | | | |
| Arsenic, total | 0.108 | 0.0020 | mg/L | 0.100 | 0.0047 | 103 | 75-125 | | | |
| Barium, total | 0.434 | 0.0010 | mg/L | 0.100 | 0.299 | 135 | 75-125 | | | M6 |
| Beryllium, total | 0.109 | 0.0005 | mg/L | 0.100 | ND | 109 | 75-125 | | | |
| Cadmium, total | 0.106 | 0.0002 | mg/L | 0.100 | ND | 106 | 75-125 | | | |
| Chromium, total | 0.107 | 0.0010 | mg/L | 0.100 | 0.0011 | 106 | 75-125 | | | |
| Cobalt, total | 0.103 | 0.0005 | mg/L | 0.100 | 0.0003 | 102 | 75-125 | | | |
| Copper, total | 0.0969 | 0.0050 | mg/L | 0.100 | 0.0018 | 95.1 | 75-125 | | | |
| Lead, total | 0.103 | 0.0010 | mg/L | 0.100 | ND | 103 | 75-125 | | | |
| Nickel, total | 0.101 | 0.0050 | mg/L | 0.100 | 0.0050 | 96.2 | 75-125 | | | |
| Selenium, total | 0.1034 | 0.0020 | mg/L | 0.100 | ND | 103 | 75-125 | | | |
| Silver, total | 0.105 | 0.0050 | mg/L | 0.100 | ND | 105 | 75-125 | | | |
| Thallium, total | 0.104 | 0.0005 | mg/L | 0.100 | ND | 104 | 75-125 | | | |
| Vanadium, total | 0.118 | 0.0020 | mg/L | 0.100 | ND | 118 | 75-125 | | | |
| Zinc, total | 0.106 | 0.0050 | mg/L | 0.100 | 0.0073 | 98.7 | 75-125 | | | |
| **Matrix Spike Dup (1II0424-MSD1)** | **Source: 1II0590-01** | | Prepared: 09/08/25 14:51 Analyzed: 09/09/25 18:15 | | | | | | | |
| Antimony, total | 0.108 | 0.0010 | mg/L | 0.100 | 0.0011 | 106 | 75-125 | 0.113 | 20 | |
| Arsenic, total | 0.107 | 0.0020 | mg/L | 0.100 | 0.0047 | 102 | 75-125 | 1.13 | 20 | |
| Barium, total | 0.443 | 0.0010 | mg/L | 0.100 | 0.299 | 145 | 75-125 | 2.20 | 20 | M6 |
| Beryllium, total | 0.108 | 0.0005 | mg/L | 0.100 | ND | 108 | 75-125 | 0.960 | 20 | |
| Cadmium, total | 0.105 | 0.0002 | mg/L | 0.100 | ND | 105 | 75-125 | 0.226 | 20 | |
| Chromium, total | 0.105 | 0.0010 | mg/L | 0.100 | 0.0011 | 104 | 75-125 | 1.23 | 20 | |
| Cobalt, total | 0.102 | 0.0005 | mg/L | 0.100 | 0.0003 | 102 | 75-125 | 0.566 | 20 | |
| Copper, total | 0.0956 | 0.0050 | mg/L | 0.100 | 0.0018 | 93.8 | 75-125 | 1.30 | 20 | |
| Lead, total | 0.104 | 0.0010 | mg/L | 0.100 | ND | 104 | 75-125 | 0.569 | 20 | |
| Nickel, total | 0.102 | 0.0050 | mg/L | 0.100 | 0.0050 | 97.0 | 75-125 | 0.802 | 20 | |
| Selenium, total | 0.1028 | 0.0020 | mg/L | 0.100 | ND | 103 | 75-125 | 0.594 | 20 | |
| Silver, total | 0.106 | 0.0050 | mg/L | 0.100 | ND | 106 | 75-125 | 0.931 | 20 | |
| Thallium, total | 0.105 | 0.0005 | mg/L | 0.100 | ND | 105 | 75-125 | 0.858 | 20 | |
| Vanadium, total | 0.117 | 0.0020 | mg/L | 0.100 | ND | 117 | 75-125 | 1.13 | 20 | |
| Zinc, total | 0.106 | 0.0050 | mg/L | 0.100 | 0.0073 | 98.8 | 75-125 | 0.0575 | 20 | |
| **Post Spike (1II0424-PS1)** | **Source: 1II0590-01** | | Prepared: 09/08/25 14:51 Analyzed: 09/09/25 18:23 | | | | | | | |
| Antimony, total | 0.0221 | | mg/L | 0.0200 | 0.0011 | 105 | 80-120 | | | |
| Arsenic, total | 0.0250 | | mg/L | 0.0200 | 0.0047 | 102 | 80-120 | | | |
| Barium, total | 0.316 | | mg/L | 0.0200 | 0.299 | 85.1 | 80-120 | | | |
| Beryllium, total | 0.0210 | | mg/L | 0.0200 | -0.00002 | 105 | 80-120 | | | |
| Cadmium, total | 0.0202 | | mg/L | 0.0200 | 0.00004 | 101 | 80-120 | | | |
| Chromium, total | 0.0204 | | mg/L | 0.0200 | 0.0011 | 96.5 | 80-120 | | | |
| Cobalt, total | 0.0191 | | mg/L | 0.0200 | 0.0003 | 94.2 | 80-120 | | | |
| Copper, total | 0.0200 | | mg/L | 0.0200 | 0.0018 | 90.7 | 80-120 | | | |
| Lead, total | 0.0193 | | mg/L | 0.0200 | 0.00004 | 96.4 | 80-120 | | | |
| Nickel, total | 0.0236 | | mg/L | 0.0200 | 0.0050 | 93.0 | 80-120 | | | |
| Selenium, total | 0.0212 | | mg/L | 0.0200 | 0.0003 | 105 | 80-120 | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0424 - EPA 3005A Total Recoverable Metals - EPA 6020A** | | | | | | | | | | |
| **Post Spike (1II0424-PS1)** | **Source: 1II0590-01** | | Prepared: 09/08/25 14:51 Analyzed: 09/09/25 18:23 | | | | | | | |
| Silver, total | 0.0208 | | mg/L | 0.0200 | 0.00001 | 104 | 80-120 | | | |
| Thallium, total | 0.0196 | | mg/L | 0.0200 | 0.00002 | 98.0 | 80-120 | | | |
| Vanadium, total | 0.0200 | | mg/L | 0.0200 | -0.0002 | 100 | 80-120 | | | |
| Zinc, total | 0.0264 | | mg/L | 0.0200 | 0.0073 | 95.2 | 80-120 | | | |
| **Batch 1II0501 - EPA 3005A Total Recoverable Metals - EPA 6020A** | | | | | | | | | | |
| **Blank (1II0501-BLK1)** | | | Prepared: 09/09/25 15:19 Analyzed: 09/10/25 15:45 | | | | | | | |
| Antimony, total | <0.0010 | 0.0010 | mg/L | | | | | | | |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Barium, total | <0.0010 | 0.0010 | mg/L | | | | | | | |
| Beryllium, total | <0.0005 | 0.0005 | mg/L | | | | | | | |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | | | | | | |
| Chromium, total | <0.0010 | 0.0010 | mg/L | | | | | | | B |
| Cobalt, total | <0.0005 | 0.0005 | mg/L | | | | | | | |
| Copper, total | <0.0050 | 0.0050 | mg/L | | | | | | | |
| Lead, total | <0.0010 | 0.0010 | mg/L | | | | | | | |
| Nickel, total | <0.0050 | 0.0050 | mg/L | | | | | | | |
| Selenium, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Silver, total | <0.0050 | 0.0050 | mg/L | | | | | | | |
| Thallium, total | <0.0005 | 0.0005 | mg/L | | | | | | | |
| Vanadium, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Zinc, total | <0.0050 | 0.0050 | mg/L | | | | | | | |
| **LCS (1II0501-BS1)** | | | Prepared: 09/09/25 15:19 Analyzed: 09/10/25 15:47 | | | | | | | |
| Antimony, total | 0.102 | 0.0010 | mg/L | 0.100 | | 102 | 80-120 | | | |
| Arsenic, total | 0.0970 | 0.0020 | mg/L | 0.100 | | 97.0 | 80-120 | | | |
| Barium, total | 0.102 | 0.0010 | mg/L | 0.100 | | 102 | 80-120 | | | |
| Beryllium, total | 0.0992 | 0.0005 | mg/L | 0.100 | | 99.2 | 80-120 | | | |
| Cadmium, total | 0.0999 | 0.0002 | mg/L | 0.100 | | 99.9 | 80-120 | | | |
| Chromium, total | 0.100 | 0.0010 | mg/L | 0.100 | | 100 | 80-120 | | | |
| Cobalt, total | 0.104 | 0.0005 | mg/L | 0.100 | | 104 | 80-120 | | | |
| Copper, total | 0.0975 | 0.0050 | mg/L | 0.100 | | 97.5 | 80-120 | | | |
| Lead, total | 0.101 | 0.0010 | mg/L | 0.100 | | 101 | 80-120 | | | |
| Nickel, total | 0.0938 | 0.0050 | mg/L | 0.100 | | 93.8 | 80-120 | | | |
| Selenium, total | 0.0987 | 0.0020 | mg/L | 0.100 | | 98.7 | 80-120 | | | |
| Silver, total | 0.0990 | 0.0050 | mg/L | 0.100 | | 99.0 | 80-120 | | | |
| Thallium, total | 0.104 | 0.0005 | mg/L | 0.100 | | 104 | 80-120 | | | |
| Vanadium, total | 0.104 | 0.0020 | mg/L | 0.100 | | 104 | 80-120 | | | |
| Zinc, total | 0.0993 | 0.0050 | mg/L | 0.100 | | 99.3 | 80-120 | | | |
| **Matrix Spike (1II0501-MS1)** | **Source: 1II0590-13** | | Prepared: 09/09/25 15:19 Analyzed: 09/10/25 15:52 | | | | | | | |
| Antimony, total | 0.113 | 0.0010 | mg/L | 0.100 | ND | 113 | 75-125 | | | |
| Arsenic, total | 0.119 | 0.0020 | mg/L | 0.100 | 0.0181 | 101 | 75-125 | | | |
| Barium, total | 1.11 | 0.0010 | mg/L | 0.100 | 0.955 | 156 | 75-125 | | | M6 |
| Beryllium, total | 0.105 | 0.0005 | mg/L | 0.100 | ND | 105 | 75-125 | | | |

CERTIFICATE OF ANALYSIS

1II0590

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1II0501 - EPA 3005A Total Recoverable Metals - EPA 6020A** | | | | | | | | | | |
| **Matrix Spike (1II0501-MS1)** | | **Source: 1II0590-13** | | Prepared: 09/09/25 15:19 Analyzed: 09/10/25 15:52 | | | | | | |
| Cadmium, total | 0.107 | 0.0002 | mg/L | 0.100 | ND | 107 | 75-125 | | | |
| Chromium, total | 0.0993 | 0.0010 | mg/L | 0.100 | 0.0011 | 98.3 | 75-125 | | | |
| Cobalt, total | 0.111 | 0.0005 | mg/L | 0.100 | 0.0107 | 100 | 75-125 | | | |
| Copper, total | 0.0975 | 0.0050 | mg/L | 0.100 | 0.0015 | 96.0 | 75-125 | | | |
| Lead, total | 0.103 | 0.0010 | mg/L | 0.100 | ND | 103 | 75-125 | | | |
| Nickel, total | 0.100 | 0.0050 | mg/L | 0.100 | 0.0058 | 94.4 | 75-125 | | | |
| Selenium, total | 0.1029 | 0.0020 | mg/L | 0.100 | ND | 103 | 75-125 | | | |
| Silver, total | 0.104 | 0.0050 | mg/L | 0.100 | ND | 104 | 75-125 | | | |
| Thallium, total | 0.108 | 0.0005 | mg/L | 0.100 | 0.00007 | 108 | 75-125 | | | |
| Vanadium, total | 0.110 | 0.0020 | mg/L | 0.100 | ND | 110 | 75-125 | | | |
| Zinc, total | 0.112 | 0.0050 | mg/L | 0.100 | 0.0129 | 99.5 | 75-125 | | | |
| **Matrix Spike Dup (1II0501-MSD1)** | | **Source: 1II0590-13** | | Prepared: 09/09/25 15:19 Analyzed: 09/10/25 15:55 | | | | | | |
| Antimony, total | 0.107 | 0.0010 | mg/L | 0.100 | ND | 107 | 75-125 | 4.87 | 20 | |
| Arsenic, total | 0.115 | 0.0020 | mg/L | 0.100 | 0.0181 | 96.7 | 75-125 | 3.69 | 20 | |
| Barium, total | 1.10 | 0.0010 | mg/L | 0.100 | 0.955 | 140 | 75-125 | 1.45 | 20 | M6 |
| Beryllium, total | 0.105 | 0.0005 | mg/L | 0.100 | ND | 105 | 75-125 | 0.459 | 20 | |
| Cadmium, total | 0.101 | 0.0002 | mg/L | 0.100 | ND | 101 | 75-125 | 5.84 | 20 | |
| Chromium, total | 0.105 | 0.0010 | mg/L | 0.100 | 0.0011 | 104 | 75-125 | 5.15 | 20 | |
| Cobalt, total | 0.114 | 0.0005 | mg/L | 0.100 | 0.0107 | 103 | 75-125 | 2.69 | 20 | |
| Copper, total | 0.0964 | 0.0050 | mg/L | 0.100 | 0.0015 | 94.9 | 75-125 | 1.15 | 20 | |
| Lead, total | 0.102 | 0.0010 | mg/L | 0.100 | ND | 102 | 75-125 | 0.558 | 20 | |
| Nickel, total | 0.0989 | 0.0050 | mg/L | 0.100 | 0.0058 | 93.0 | 75-125 | 1.39 | 20 | |
| Selenium, total | 0.0994 | 0.0020 | mg/L | 0.100 | ND | 99.4 | 75-125 | 3.42 | 20 | |
| Silver, total | 0.104 | 0.0050 | mg/L | 0.100 | ND | 104 | 75-125 | 0.462 | 20 | |
| Thallium, total | 0.110 | 0.0005 | mg/L | 0.100 | 0.00007 | 110 | 75-125 | 1.37 | 20 | |
| Vanadium, total | 0.112 | 0.0020 | mg/L | 0.100 | ND | 112 | 75-125 | 1.57 | 20 | |
| Zinc, total | 0.110 | 0.0050 | mg/L | 0.100 | 0.0129 | 96.9 | 75-125 | 2.40 | 20 | |
| **Post Spike (1II0501-PS1)** | | **Source: 1II0590-13** | | Prepared: 09/09/25 15:19 Analyzed: 09/10/25 15:57 | | | | | | |
| Antimony, total | 0.0623 | | mg/L | 0.0600 | 0.0004 | 103 | 80-120 | | | |
| Arsenic, total | 0.0746 | | mg/L | 0.0600 | 0.0170 | 96.1 | 80-120 | | | |
| Barium, total | 0.969 | | mg/L | 0.0600 | 0.898 | 117 | 80-120 | | | |
| Beryllium, total | 0.0605 | | mg/L | 0.0600 | 0.00005 | 101 | 80-120 | | | |
| Cadmium, total | 0.0568 | | mg/L | 0.0600 | 0.00002 | 94.6 | 80-120 | | | |
| Chromium, total | 0.0569 | | mg/L | 0.0600 | 0.0010 | 93.1 | 80-120 | | | |
| Cobalt, total | 0.0647 | | mg/L | 0.0600 | 0.0101 | 91.0 | 80-120 | | | |
| Copper, total | 0.0553 | | mg/L | 0.0600 | 0.0014 | 89.8 | 80-120 | | | |
| Lead, total | 0.0583 | | mg/L | 0.0600 | 0.00007 | 97.0 | 80-120 | | | |
| Nickel, total | 0.0595 | | mg/L | 0.0600 | 0.0055 | 90.1 | 80-120 | | | |
| Selenium, total | 0.0593 | | mg/L | 0.0600 | 0.0007 | 97.6 | 80-120 | | | |
| Silver, total | 0.0584 | | mg/L | 0.0600 | 0.00009 | 97.1 | 80-120 | | | |
| Thallium, total | 0.0591 | | mg/L | 0.0600 | 0.00007 | 98.3 | 80-120 | | | |
| Vanadium, total | 0.0574 | | mg/L | 0.0600 | -0.0003 | 95.6 | 80-120 | | | |
| Zinc, total | 0.0684 | | mg/L | 0.0600 | 0.0121 | 93.8 | 80-120 | | | |

CERTIFICATE OF ANALYSIS

1II0590

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

| Volatile Organic Compounds by GCMS | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B5I0550 - 5021 - EPA RSK-175** | | | | | | | | | | |
| **Blank (B5I0550-BLK1)** | | | Prepared: 09/10/25 11:01 Analyzed: 09/10/25 15:01 | | | | | | | |
| 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 (B5I0550-BS1)** | | | Prepared: 09/10/25 11:01 Analyzed: 09/10/25 18:48 | | | | | | | |
| Methane | 124 | 5.00 | ug/L | 114.1884 | | 109 | 85-115 | | | |
| Ethene | 215 | 5.00 | ug/L | 199.6873 | | 108 | 85-115 | | | |
| Ethane | 231 | 5.00 | ug/L | 213.9965 | | 108 | 85-115 | | | |
| Propane | 344 | 5.00 | ug/L | 313.9185 | | 110 | 85-115 | | | |
| **LCS Dup (B5I0550-BSD1)** | | | Prepared: 09/10/25 11:01 Analyzed: 09/10/25 19:02 | | | | | | | |
| Methane | 119 | 5.00 | ug/L | 114.1884 | | 104 | 85-115 | 4.55 | 40 | |
| Ethene | 201 | 5.00 | ug/L | 199.6873 | | 101 | 85-115 | 6.81 | 40 | |
| Ethane | 214 | 5.00 | ug/L | 213.9965 | | 100 | 85-115 | 7.69 | 40 | |
| Propane | 310 | 5.00 | ug/L | 313.9185 | | 98.7 | 85-115 | 10.6 | 40 | |
| **Batch B5I0655 - 5021 - EPA RSK-175** | | | | | | | | | | |
| **Blank (B5I0655-BLK1)** | | | Prepared: 09/12/25 11:44 Analyzed: 09/12/25 13:05 | | | | | | | |
| Methane | <5.00 | 5.00 | ug/L | | | | | | | |
| Ethene | <5.00 | 5.00 | ug/L | | | | | | | |
| Ethane | <5.00 | 5.00 | ug/L | | | | | | | |
| Propane | <5.00 | 5.00 | ug/L | | | | | | | |
| n-Butane | <5.00 | 5.00 | ug/L | | | | | | | |
| **LCS (B5I0655-BS1)** | | | Prepared: 09/12/25 11:44 Analyzed: 09/12/25 14:01 | | | | | | | |
| Methane | 108 | 5.00 | ug/L | 114.1884 | | 94.9 | 85-115 | | | |
| Ethene | 196 | 5.00 | ug/L | 199.6873 | | 98.2 | 85-115 | | | |
| Ethane | 212 | 5.00 | ug/L | 213.9965 | | 99.1 | 85-115 | | | |
| Propane | 320 | 5.00 | ug/L | 313.9185 | | 102 | 85-115 | | | |
| n-Butane | 435 | 5.00 | ug/L | 413.7764 | | 105 | 85-115 | | | |
| **LCS Dup (B5I0655-BSD1)** | | | Prepared: 09/12/25 11:44 Analyzed: 09/12/25 17:04 | | | | | | | |
| Methane | 115 | 5.00 | ug/L | 114.1884 | | 100 | 85-115 | 5.71 | 40 | |
| Ethene | 203 | 5.00 | ug/L | 199.6873 | | 102 | 85-115 | 3.36 | 40 | |
| Ethane | 216 | 5.00 | ug/L | 213.9965 | | 101 | 85-115 | 1.71 | 40 | |
| Propane | 318 | 5.00 | ug/L | 313.9185 | | 101 | 85-115 | 0.797 | 40 | |
| n-Butane | 418 | 5.00 | ug/L | 413.7764 | | 101 | 85-115 | 4.05 | 40 | |

# CERTIFICATE OF ANALYSIS

1II0590

## Definitions

| | |
|---|---|
| **B:** | The target analyte was detected in the blank at or above the method acceptance criteria. |
| **B1:** | The target analyte was detected in the method blank at or above the method acceptance criteria. The sample concentration is below the method acceptance criteria. |
| **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. |
| **M6:** | Matrix spike recovery is outside of acceptance limits. The analyte concentration is greater than 4X the spiking level. |
| **Q:** | One or more quality control criteria failed. |
| **Q2:** | LCS recovery is above acceptance limits. |
| **Q7:** | CCV recovery is above acceptance limits. |
| **RL:** | Reporting Limit |
| **RPD:** | Relative Percent Difference |

## Cooler Receipt Log

**Cooler ID:** Default Cooler Temp: 1.1°C

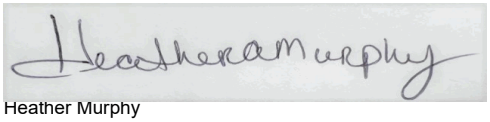
## Cooler Inspection Checklist

| | | | |
|---|---|---|---|
| Custody Seals | No | Containers Intact | Yes |
| COC/Labels Agree | Yes | Preservation Confirmed | No |
| Received On Ice | Yes | | |

## Report Comments

*The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.* ***The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.***

**Reviewed and Approved By:**



Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
09/22/25 14:24

# CHAIN OF CUSTODY RECORD

MICROBAC
600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451



**SITE INFORMATION**

Sampler: TODD WHIPPLE

Project: **SCILA - New Regs**
6022

**REPORT TO**

**Todd Whipple**
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**

**Marcia Beeler**
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**
☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**

1 I I 0 5 9 0
HLW Engineering
PM: Heather Murphy

Temperature: 1.1 VIC oC

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | # Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| 01-001 | **MW-34A** | Aqueous | GRAB | 9/4/25 | 10:46 | 7 | lndfll-app1-metals-6020ndfill-app1-voc-group | 01 |
| 02-001 | **MW-18** | Aqueous | GRAB | 9/4/25 | 10:35 | 1 | lndfll-app1-metals-6020ndfill-app1-voc-group | 02 |
| 03-001 | **GU-1** DRY | Aqueous | GRAB | — | — | — | lndfll-app1-metals-6020ndfill-app1-voc-group | |
| 04-001 | **MW-1R** DRY | Aqueous | GRAB | — | — | — | lndfll-app1-metals-6020ndfill-app1-voc-group | |
| 05-001 | **MW-6A** | Aqueous | GRAB | 9/4/25 | 15:30 | 7 | lndfll-app1-metals-6020ndfill-app1-voc-group | 03 |
| 06-001 | **MW-21** | Aqueous | GRAB | 9/4/25 | 14:15 | 7 | lndfll-app1-metals-6020ndfill-app1-voc-group | 04 |
| 07-001 | **TILE-1** | Aqueous | GRAB | 9/4/25 | 11:53 | 7 | lndfll-app1-metals-6020ndfill-app1-voc-group | 05 |
| 08-001 | **TILE 2** | Aqueous | GRAB | 9/4/25 | 11:32 | 7 | lndfll-app1-metals-6020ndfill-app1-voc-group | 06 |
| 09-001 | **MW-11C** | Aqueous | GRAB | 9/4/25 | 15:48 | 7 | lndfll-app1-metals-6020ndfill-app1-voc-group | 07 |
| 10-001 | **MW-39D** | Aqueous | GRAB | 9/4/25 | 8:08 | 1 | lndfll-app1-metals-6020 | 08 |

Todd Whipple 9/5/25
Relinquished By Date/Time

Received By Date/Time

Relinquished By Date/Time

Received for Lab By 9/5/25 10:40
Date/Time

Remarks:

# CHAIN OF CUSTODY RECORD

MICROBAC®
600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451



**SITE INFORMATION**

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6022

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**Todd Whipple**
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**

**Marcia Beeler**
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**
☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

1 I I 0 5 9 0
HLW Engineering
PM: Heather Murphy

Temperature: 1.1 √ICE °C

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | # Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| 11-001 | **MW-41D** | Aqueous | GRAB | 9/4/25 | 8:42 | 1 | lndfll-app1-metals-6020 | 09 |
| 12-001 | **MW-42D** | Aqueous | GRAB | 9/4/25 | 9:14 | 1 | lndfll-app1-metals-6020 | 10 |
| 13-001 | **MW-17R** | Aqueous | GRAB | 9/4/25 | 15:11 | 7 | lndfll-app1-metals-6020 lndfill-app1-voc-group | 11 |
| 14-001 | **MW-28** | Aqueous | GRAB | 9/4/25 | 13:21 | 7 | lndfll-app1-metals-6020 lndfill-app1-voc-group | 12 |
| 15-001 | **MW-8B** | Aqueous | GRAB | 9/4/25 | 14:35 | 12 | alk-caco3-2320 ph-4500<br>lndfll-app1-metals-6020 lndfill-app1-voc-group<br>permgas-rsk-175 | 13 |
| 16-001 | **MW-9AR** | Aqueous | GRAB | 9/4/25 | 12:07 | 12 | alk-caco3-2320 ph-4500<br>lndfll-app1-metals-6020 lndfill-app1-voc-group<br>permgas-rsk-175 | 14 |
| 17-001 | **MW-14D** | Aqueous | GRAB | 9/4/25 | 11:10 | 7 | lndfll-app1-metals-6020 lndfill-app1-voc-group | 15 |
| 18-001 | **MW-15R** | Aqueous | GRAB | 9/4/25 | 12:55 | 12 | alk-caco3-2320 ph-4500<br>lndfll-app1-metals-6020 lndfill-app1-voc-group<br>permgas-rsk-175 | 16 |

Relinquished By [signature] Date/Time 8/5/25

Received By Date/Time

Relinquished By Date/Time

Received for Lab By [signature] Date/Time 9/5/25 10:40

Remarks:

# CHAIN OF CUSTODY RECORD

MICROBAC®
600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451





**SITE INFORMATION**

Sampler: TODD WHIPPLE

Project: **SCILA - New Regs**
6022

**REPORT TO**

**Todd Whipple**
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**

**Marcia Beeler**
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**
☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**

1 I I 0 5 9 0
HLW Engineering
PM: Heather Murphy

Temperature: ~~7.0~~ VIA 1.1 EGIS oC

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | # Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| 19-001 | **SW-1** DRY | Aqueous | GRAB | — | — | — | lndfill-app1-voc-group | |
| 20-001 | **SW-2B** | Aqueous | GRAB | 9/4/25 | 13:45 | 6 | lndfill-app1-voc-group | 17 |
| 21-001 | **SW-102** | Aqueous | GRAB | 9/4/25 | 13:35 | 6 | lndfill-app1-voc-group | 18 |
| 22-001 | **Duplicate** | Aqueous | GRAB | 9/4/25 | ✓ | 1 | lndfll-app1-metals-6020 | 19 |
| 23-001 | **GU-2** | Aqueous | GRAB | 9/4/25 | 10:17 | 7 | lndfll-app1-metals-6020, lndfill-app1-voc-group | 20 |
| 24-001 | **GU-A** | Aqueous | GRAB | 9/4/25 | 10:00 | 7 | lndfll-app1-metals-6020, lndfill-app1-voc-group | 21 |
| 25-001 | **GU-B** | Aqueous | GRAB | 9/4/25 | 9:48 | 7 | lndfll-app1-metals-6020, lndfill-app1-voc-group | 22 |
| 26-001 | **MW-44** | Aqueous | GRAB | 9/4/25 | 12:38 | 8 | lndfll-app1-metals-6020, 270-110<br>lndfill-app1-voc-group | 23 |
| 27-001 | **MW-45A** | Aqueous | GRAB | 9/4/25 | 9:30 | 7 | lndfll-app1-metals-6020, lndfill-app1-voc-group | 24 |
| 28-001 | **MW-38A** DRY | Aqueous | GRAB | — | ~~10:46~~ | — | lndfll-app1-metals-6020, lndfill-app1-voc-group | |

Relinquished By 9/5/25 Date/Time

Received By Date/Time

Relinquished By Date/Time

Schuba 9/5/25 10:40
Received for Lab By Date/Time

Remarks:

# CHAIN OF CUSTODY RECORD

MICROBAC®
600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451



**SITE INFORMATION**

Sampler: TODD WHIPPLE

**Project: SCILA - New Regs**
6022

**REPORT TO**

**Todd Whipple**
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**

**Marcia Beeler**
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**
☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**

1 I I 0 5 9 0
HLW Engineering
PM: Heather Murphy

Temperature: 1.1 √ice oC

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | # Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| 29-001 | **MW-45D** | Aqueous | GRAB | 9/4/25 | 9:37 | 7 | lndfill-app1-metals-6020 lndfill-app1-voc-group | 24 |
| 30-001 | **MW-31** DRY | Aqueous | GRAB | — | — | — | lndfill-app1-voc-group | |
| 31-001 | **MW-32** | Aqueous | GRAB | 9/4/25 | 12:24 | 7 | as-t-6020 co-t-6020<br>lndfill-app1-voc-group | 25 |
| 32-001 | **LW-26** | Aqueous | GRAB | 9/4/25 | 16:45 | 14 | cl-9056-w bod-5210<br>nh3-timberline-lf cod-t-410.4<br>co-t-6020 lndfill-app1-voc-group<br>permgas-rsk-175 so4-9056-w<br>tss-i-3765-85 tds-i-1750-85 | 26 |
| | | | | | | | | |
| | | | | | | | | |

Relinquished By: Todd Whipple 9/5/25 — Date/Time

Received By — Date/Time

Relinquished By — Date/Time

Received for Lab By: Schreiber 9/5/25 10:40 — Date/Time

Remarks:

# Appendix E

# Field Turbidity (NTU) Summary

**South Central Iowa Landfill - SCILA**

Project Number: 6022

Field Turbidity Over Time

**No-Purge Sampling**

| | 9/23/14 | 12/2/14 | 3/19/15 | 6/17/15 | 8/27/15 | 2/11/16 | 3/4/16 | 5/10/16 | 9/20/16 | 11/9/16 | 3/9/17 | 6/6/17 | 7/12/17 | 9/14/17 | 12/13/17 | 3/12/18 | 6/6/18 | 6/11/18 | 9/10/18 | 11/14/18 | 3/26/19 | 6/5/19 | 9/16/19 | 12/2/19 | Max | Min | Ave | Std Dev | Mean + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Well** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | **NTU** | | | | | 2 STD |
| GU-1 | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | | | Dry | | Dry | | Dry | | **0.00** | **0.00** | **0.00** | **0.00** | 0.00 |
| MW-4A | 3.29 | 4.68 | 2.45 | 16.55 | 1.47 | | 3.52 | | 2.11 | | 9.51 | | | 0.55 | | 0.68 | | | 0.86 | | 0.81 | | 4.98 | | **16.55** | **0.55** | **3.96** | **4.52** | 13.00 |
| MW-18 | 2.94 | 101.00 | 24.04 | 129.1 | 10.14 | | 160 | | 3.19 | | 16.63 | | 2.31 | 67.64 | 6.38 | 10.13 | | | 4.23 | | 34.98 | | 5.05 | | **160.00** | **2.31** | **38.52** | **51.53** | 141.59 |
| MW-9AR | 3.55 | | 17.77 | | 0.65 | | 3.11 | | 1.39 | | 1.22 | | | | 6.2 | 2.23 | 18.9 | | 4.14 | | 1.35 | | 5.66 | | **18.90** | **0.65** | **5.51** | **6.24** | 18.00 |
| MW-15R | | | | | | | | | | | | | | | | | | | | | | 1.89 | 1.92 | 1.63 | **1.92** | **1.63** | **1.81** | **0.16** | 2.13 |
| MW-8B | 5.65 | | 1.97 | | 0.75 | | 3 | | 2.87 | | 3.91 | | | 2.44 | | 3.3 | | | 5.95 | | 10.81 | | 7.37 | | **10.81** | **0.75** | **4.37** | **2.88** | 10.12 |
| MW-21 | 112.2 | | 0.56 | | 19.38 | | 2.35 | | 0.82 | | 5.71 | | | 0.61 | | 8.11 | | | 0.86 | | 0.56 | | 0.63 | | **112.20** | **0.56** | **13.80** | **33.13** | 80.06 |
| MW-17R | 43.31 | | 0.40 | | 13.08 | | 1.32 | | 4.55 | | 0.46 | | | 1.04 | 9.7 | 0.81 | | | 0.5 | | 1.45 | | 0.55 | | **43.31** | **0.40** | **6.43** | **12.33** | 31.09 |
| MW-6A | 1.1 | | 3.85 | | 0.5 | | 2.95 | | 0.46 | | 4.77 | | | 14.09 | 23.8 | 4.22 | | | 2.5 | 0.83 | 1.05 | | 0.77 | | **23.80** | **0.46** | **4.68** | **6.80** | 18.28 |
| MW-11C | 2.09 | | 2.53 | | | | | | 0.99 | | 13.57 | | | 1.56 | | 6.48 | | | 0.5 | | 0.82 | | 1.07 | | **13.57** | **0.50** | **3.29** | **4.26** | 11.80 |
| MW-14D | | | | | | | 1.91 | | 0.79 | | 1.17 | | | 0.92 | | 1.64 | >1000* | 242 | 0.66 | | 0.96 | | 0.95 | | **242.00** | **0.66** | **27.89** | **80.29** | 188.47 |
| MW-28 | | | | | | 94.03 | 159.6 | 1.29 | 1.55 | | | | | 12.74 | | 41.59 | | | 6.24 | | 89.13 | | 1.74 | | **159.60** | **1.29** | **45.32** | **56.69** | 158.70 |
| TILE 1 | | | | | | | | | 11.35 | | | | | 376.9 | | 84.36 | | | 5.05 | | 3.18 | 6.2 | 5.18 | | **376.90** | **3.18** | **70.32** | **138.32** | 346.95 |
| TILE 2 | | | | | | | | | | | | | | | | | | | 17.23 | | 5.5 | 3.67 | 34.13 | | **34.13** | **3.67** | **15.13** | **14.02** | 43.17 |
| MW-31 | | | | | | | 0.16 | | 4.27 | | | | | 38.93 | | 833.5* | | | >1000* | | 120.6 | | 19.38 | | **120.60** | **0.16** | **36.67** | **49.32** | 135.31 |
| MW-32 | | | | | | | 0.29 | | 1.64 | | | | | 1.55 | | 0.57 | | | 2.59 | | 1.07 | | 1.27 | | **2.59** | **0.29** | **1.28** | **0.76** | 2.80 |
| SW-1 | 3.36 | | 2.81 | | 9.82 | | 4.28 | | 8.93 | | 8.55 | | | | | 0.83 | | | 2.64 | | 4.88 | | 20.38 | | **20.38** | **0.83** | **6.65** | **5.69** | 18.03 |
| SW-2B | 1.32 | | 1.69 | | 5.78 | | 4.22 | | 8.25 | | 4.76 | | | | | 5.82 | | | 5.19 | | 3.73 | 5.84 | 8.66 | | **8.66** | **1.32** | **5.02** | **2.30** | 9.62 |
| SW-102 | 11.44 | | 0.59 | | 87.47 | | 4.21 | 49.66 | 243.00 | | | | | 23.80 | | 34.97 | | | 2.46 | | 10.14 | | 2.67 | | **243.00** | **0.59** | **42.76** | **71.49** | 185.74 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Max** | **145.30** | **101.00** | **26.32** | **129.10** | **87.47** | **94.03** | **594.80** | **49.66** | **243.00** | **4.94** | **16.63** | **0.79** | **2.31** | **376.90** | **23.80** | **84.36** | **18.90** | **242.00** | **17.23** | **0.83** | **120.60** | **6.20** | **34.13** | **1.63** | | | | | |
| **Min** | **1.10** | **2.54** | **0.08** | **2.36** | **0.08** | **1.65** | **0.16** | **1.29** | **0.46** | **4.94** | **0.46** | **0.79** | **2.31** | **0.55** | **2.67** | **0.40** | **18.90** | **242.00** | **0.45** | **0.83** | **0.56** | **1.89** | **0.55** | **1.63** | | | | | |
| **Median** | **6.72** | **10.59** | **2.53** | **16.55** | **5.78** | **47.84** | **3.11** | **4.79** | **3.03** | **4.94** | **5.71** | **0.79** | **2.31** | **3.81** | **6.38** | **3.76** | **18.90** | **242.00** | **2.48** | **0.83** | **2.32** | **4.76** | **4.98** | **1.63** | | | | | |
| **Average** | **26.33** | **31.18** | **6.79** | **35.92** | **12.52** | **47.84** | **48.40** | **15.13** | **16.86** | **4.94** | **7.23** | **0.79** | **2.31** | **29.28** | **9.75** | **11.56** | **18.90** | **242.00** | **3.48** | **0.83** | **17.56** | **4.40** | **7.04** | **1.63** | | | | | |

* = mechanically induced turbidity

**South Central Iowa Landfill - SCILA**

Project Number: 6022

Field Turbidity Over Time

**No-Purge Sampling**

| Well | 3/24/20 NTU | 6/3/20 NTU | 7/20/20 NTU | 9/2/20 NTU | 3/8/21 NTU | 9/14/21 NTU | 3/28/22 NTU | 9/13/22 NTU | 3/23/23 NTU | 5/9/23 NTU | 7/12/23 NTU | 9/5/23 NTU | 11/13/23 NTU | 11/28/23 NTU | 12/6/23 NTU | 1/8/24 NTU | 3/6/24 NTU | 6/3/24 NTU | 9/18/24 NTU | 3/10/25 NTU | 9/4/25 NTU | | | | Max | Min | Ave | Std Dev | Mean + 2 STD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GU-1 | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | | | Dry | | | | | | | | | | | | | **0.00** | **0.00** | **0.00** | **0.00** | 0.00 |
| MW-1R | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | Dry | | | Dry | | | | | | | | | | | | | **0.00** | **0.00** | **0.00** | **0.00** | 0.00 |
| MW-18 | 9.97 | | | 9.13 | 3.56 | 4.19 | 24.74 | 106 | 32.2 | | | 28.5 | | | | | | | 6.15 | 5.58 | 0.41 | | | | **106.00** | **0.41** | **20.95** | **30.25** | 81.45 |
| MW-34A | | | | | | | | | | | | | | | | | | | | 4.4 | 1.36 | | | | **4.40** | **1.36** | **2.88** | **2.15** | 7.18 |
| MW-38A | | | | | | | | | | | | Dry | | | | | | | | | | | | | **0.00** | **0.00** | **#DIV/0!** | **#DIV/0!** | #DIV/0! |
| MW-9AR | 2.23 | | | 2.73 | 4.95 | 1.96 | 4.00 | 7.12 | 6.19 | | | 2.57 | | | | | 12.1 | | 2.39 | 2.47 | 1.44 | | | | **12.10** | **1.44** | **4.18** | **3.06** | 10.30 |
| MW-15R | 1.87 | | | 3.17 | 4.04 | 5.38 | 5.22 | 2.44 | 11.14 | | | 3.88 | | | | | 6.19 | | 6.97 | 13.2 | 1.91 | | | | **13.20** | **1.87** | **5.45** | **3.56** | 12.57 |
| MW-44 | | | | | | | | | | | 11.67 | 6.18 | | 17.5 | | | 17.82 | | 56.18 | 16.38 | 1.05 | | | | **56.18** | **1.05** | **18.11** | **17.92** | 53.96 |
| MW-8B | 4.32 | | | 6.08 | 3.57 | 2.59 | 2.59 | 1.92 | 7.06 | 4.04 | | 1.97 | | | | | 2.81 | | 5.5 | 2.94 | 1 | | | | **7.06** | **1.00** | **3.57** | **1.77** | 7.12 |
| MW-21 | 1.57 | | | 1.96 | | 1.23 | 1.83 | 6.22 | 0.91 | | | 2.84 | | | | | 5.03 | | 3.11 | 2.24 | 0.64 | | | | **6.22** | **0.64** | **2.51** | **1.73** | 5.97 |
| MW-17R | 1.00 | | | 4.62 | 6.28 | 1.8 | 1.34 | 1.24 | 1.35 | | | 4.31 | | | | | 2.91 | | 3.67 | 2.17 | 1.8 | | | | **6.28** | **1.00** | **2.71** | **1.67** | 6.05 |
| MW-6A | 0.99 | | | 2.00 | 6.58 | 1.76 | 1.93 | 1.02 | 1.36 | | | | | | | | | | 3.06 | 2.43 | 1.22 | | | | **6.58** | **0.99** | **2.24** | **1.66** | 5.55 |
| MW-11C | 1.30 | | | 1.06 | 1.56 | 2.04 | 2.53 | 1.69 | 0.98 | | | 3.04 | | | | | 2.94 | | 3.24 | 2.76 | 0.44 | | | | **3.24** | **0.44** | **1.97** | **0.93** | 3.82 |
| MW-14D | 3.14 | | 1.34 | 3.26 | 1.5 | 1.8 | 1.15 | 2.66 | 1.13 | | | 1.46 | | 4.24 | | | 3.94 | | 2.19 | 3.06 | 0.61 | | | | **4.24** | **0.61** | **2.25** | **1.14** | 4.52 |
| MW-28 | 311.8 | | | 6.2 | 288.6 | 4.53 | 173.7 | 29.1 | 437.4 | | | 17.78 | | | | | 258.2 | | 6.43 | 160.4 | 0.59 | | | | **437.40** | **0.59** | **141.23** | **152.65** | 446.52 |
| TILE 1 | 5.8 | | | 9.28 | 9.2 | 107 | 5.67 | 10.33 | 4.3 | | | 18.54 | | | | | 7.71 | | 18.16 | 4.12 | 0.33 | | | | **107.00** | **0.33** | **16.70** | **28.94** | 74.58 |
| TILE 2 | 6.17 | | | 68.14 | 7.86 | 24.05 | 8.94 | 35.5 | 23.6 | | | 5.36 | | | | | 4.02 | | 6.68 | 6.6 | 0.56 | | | | **68.14** | **0.56** | **16.46** | **19.31** | 55.08 |
| MW-31 | | | | | | | | | | | | | | | | | | | | | | | | | **0.00** | **0.00** | **#DIV/0!** | **#DIV/0!** | #DIV/0! |
| MW-32 | 1.81 | | | | 2.41 | | 2.26 | | 1.43 | | 1.36 | | | | | | 1.96 | | | 2.48 | 1.51 | | | | **2.48** | **1.36** | **1.90** | **0.45** | 2.80 |
| SW-1 | 8.54 | | | 12.91 | 5.51 | 13.32 | 7.17 | Dry | 1.69 | | | Dry | | | | | | | | | | | | | **13.32** | **1.69** | **8.19** | **4.45** | 17.10 |
| SW-2B | 12.03 | 20.80 | | 7.91 | 4.74 | 10.72 | 4.24 | | 7.26 | | | Dry | | | | | | | 5.35 | | | | | | **20.80** | **4.24** | **9.13** | **5.47** | 20.07 |
| MW-39D | | | | 4.13 | 15.79 | 10.66 | 2.02 | 1.85 | 2.09 | | | 7.86 | | | | | 1.69 | | 1.96 | 39.08 | 1.50 | | | | **39.08** | **1.50** | **8.06** | **11.29** | 30.65 |
| MW-41D | | | | 1.56 | 1.45 | 1.50 | 1.66 | 0.92 | 0.58 | | | 2.59 | | | | | 3.17 | | 1.75 | 2.09 | 2.13 | | | | **3.17** | **0.58** | **1.76** | **0.72** | 3.21 |
| MW-42D | | | | 6.05 | 2.65 | 4.64 | 2.3 | 1.14 | 1.01 | | | 2.10 | | | | | 1.90 | | 1.71 | 1.41 | 1.05 | | | | **6.05** | **1.01** | **2.36** | **1.60** | 5.56 |
| MW-45A | | | | | | | | | | | | | | | | | 4.72 | 1.65 | 2.25 | 2.03 | 0.93 | | | | **4.72** | **0.93** | **2.32** | **1.43** | 5.18 |
| MW-45D | | | | | | | | | | | | | | | | | 2.27 | 2.03 | 2.19 | 2.59 | 1.17 | | | | **2.59** | **1.17** | **2.05** | **0.53** | 3.12 |
| GU-2 | | | | | | | | | | | | | 1.67 | | 1.93 | 2.01 | 1.89 | 1.27 | 1.90 | 1.87 | 1.08 | | | | **2.01** | **1.08** | **1.70** | **0.34** | 2.39 |
| GU-A | | | | | | | | | | | | | | | 1.64 | 2.88 | 1.71 | 1.76 | 1.90 | 1.73 | 1.05 | | | | **2.88** | **1.05** | **1.81** | **0.54** | 2.90 |
| GU-B | | | | | | | | | | | | | 1.97 | | 1.69 | 1.62 | 1.79 | 1.50 | 1.89 | 1.84 | 1.26 | | | | **1.97** | **1.26** | **1.70** | **0.23** | 2.16 |
| | | | | | | | | | | | | | | | | | | | | | | | | | **0.00** | **0.00** | **#DIV/0!** | **#DIV/0!** | #DIV/0! |
| | | | | | | | | | | | | | | | | | | | | | | | | | **0.00** | **0.00** | **#DIV/0!** | **#DIV/0!** | #DIV/0! |
| | | | | | | | | | | | | | | | | | | | | | | | | | **0.00** | **0.00** | **#DIV/0!** | **#DIV/0!** | #DIV/0! |
| | | | | | | | | | | | | | | | | | | | | | | | | | **0.00** | **0.00** | **#DIV/0!** | **#DIV/0!** | #DIV/0! |
| **Max** | **311.80** | **20.80** | **1.34** | **68.14** | **288.60** | **107.00** | **173.70** | **106.00** | **437.40** | **4.04** | **11.67** | **28.50** | **1.97** | **17.50** | **1.93** | **2.88** | **258.20** | **2.03** | **56.18** | **160.40** | **2.13** | **0.00** | **0.00** | **0.00** | | | | | |
| **Min** | **0.89** | **20.80** | **1.34** | **1.06** | **1.45** | **1.08** | **1.15** | **0.92** | **0.58** | **4.04** | **1.36** | **1.46** | **1.67** | **4.24** | **1.64** | **1.62** | **1.69** | **1.27** | **1.71** | **1.41** | **0.33** | **0.00** | **0.00** | **0.00** | | | | | |
| **Median** | **2.69** | **20.80** | **1.34** | **5.34** | **4.85** | **3.39** | **2.56** | **2.44** | **1.89** | **4.04** | **6.52** | **3.88** | **1.82** | **10.87** | **1.69** | **2.01** | **3.06** | **1.65** | **3.09** | **2.59** | **1.05** | **#NUM!** | **#NUM!** | **#NUM!** | | | | | |
| **Average** | **23.34** | **20.80** | **1.34** | **8.84** | **21.34** | **11.13** | **14.07** | **13.94** | **30.09** | **4.04** | **6.52** | **7.27** | **1.82** | **10.87** | **1.75** | **2.17** | **17.24** | **1.64** | **6.57** | **12.34** | **1.09** | **#DIV/0!** | **#DIV/0!** | **#DIV/0!** | | | | | |

# Appendix F

# Summary of Prediction Limit Exceedances

**2008†**

| | | 3/25/08 | 5/30/08 | 7/17/08 | 9/11/08 | 12/20/08 |
|---|---|---|---|---|---|---|
| MW-8B | Barium | | X | X | X | X |
| MW-8B | Cobalt | | X | X | X | X |
| MW-9A | Barium | X | X | X | X | X |
| MW-9A | Cobalt | X | | | | |
| MW-9A | Nickel | X | | | | |
| MW-9A | Zinc | | | X | | |
| MW-9A | 1,1DCA | X | X | X | X | X |
| MW-9A | 1,4-dichlorobenzene | X | X | X | X | X |
| MW-9A | acetone | X | | X | X | |
| MW-9A | mek | | | X | X | |
| MW-9A | mibk | | | X | X | |
| MW-9A | benzene | X | X | X | X | X |
| MW-9A | chlorobenzene | X | X | X | X | X |
| MW-9A | cis-1,2-DCE | X | X | X | X | X |
| MW-9A | ethylbenzene | | | X | X | |
| MW-9A | PCE | X | X | X | X | |
| MW-9A | toluene | | | X | X | X |
| MW-9A | trans-1,2-DCE | X | X | X | X | X |
| MW-9A | TCE | X | X | X | X | X |
| MW-9A | Vinyl chloride | X | X | X | X | X |
| MW-9A | xylenes | | | X | X | |

**2009†**

| | | 4/22/09 | 6/8/09 | 8/13/09 | 10/23/09 |
|---|---|---|---|---|---|
| MW-8B | Barium | X | | | X |
| MW-8B | Cobalt | X | | | X |
| MW-8B | cis-1,2-DCE | X | | | |
| MW-9A | Barium | X | X | | X |
| MW-9A | Zinc | | | | X |
| MW-9A | 1,1DCA | X | X | | X |
| MW-9A | 1,2-dichloropropane | X | | | |
| MW-9A | 1,4-dichlorobenzene | X | X | | X |
| MW-9A | benzene | X | X | | X |
| MW-9A | chlorobenzene | X | X | | X |
| MW-9A | cis-1,2-DCE | X | X | | X |
| MW-9A | PCE | X | | | X |
| MW-9A | trans-1,2-DCE | X | X | | X |
| MW-9A | TCE | X | X | | X |
| MW-9A | Vinyl chloride | X | X | | X |
| MW-14 | chlorobenzene | | | | X |
| MW-14 | cis-1,2-DCE | | | | X |
| MW-14 | Vinyl chloride | | | | X |
| MW-15 | Zinc | | | X | X |
| MW-17 | cis-1,2-DCE | | X | X | X |

**2010†**

| | | 1/27/10 | 3/19/10 | 6/17/10 | 9/14/10 |
|---|---|---|---|---|---|
| MW-8B | Barium | X | X | | X |
| MW-8B | Cobalt | X | X | | X |
| MW-8B | cis-1,2-DCE | X | X | | X |

| | | | | | |
|---|---|---|---|---|---|
| MW-9A | Barium | | X | | X |
| MW-9A | Cobalt | | X | | X |
| MW-9A | nickel | | X | | X |
| MW-9A | Zinc | | X | | |
| MW-9A | 1,1DCA | | X | | X |
| MW-9A | 1,4-dichlorobenzene | | | | X |
| MW-9A | benzene | | X | | X |
| MW-9A | Bis(2EHP) | | | | X |
| MW-9A | chlorobenzene | | X | | X |
| MW-9A | cis-1,2-DCE | | X | | X |
| MW-9A | PCE | | X | | X |
| MW-9A | trans-1,2-DCE | | X | | X |
| MW-9A | TCE | | X | | X |
| MW-9A | Vinyl chloride | | X | | X |
| MW-9A | xylenes | | X | | |
| MW-14 | 1,4-dichlorobenzene | | | | X |
| MW-14 | benzene | X | X | | X |
| MW-14 | chlorobenzene | X | X | | X |
| MW-14 | cis-1,2-DCE | X | X | X | X |
| MW-14 | Vinyl chloride | X | X | X | X |
| MW-15 | Zinc | | X | X | X |
| MW-17 | cis-1,2-DCE | | X | X | X |
| MW-19 | Cobalt | X | X | X | X |
| MW-19 | Copper | | X | X | X |
| MW-19 | acetone | | X | | |

**2011**†

| | | **3/4/11** | **9/20/11** |
|---|---|---|---|
| MW-9A | Barium | X | X |
| MW-9A | Cobalt | | X |
| MW-9A | nickel | X | X |
| MW-9A | Zinc | | X |
| MW-9A | 1,1DCA | X | X |
| MW-9A | 1,4-dichlorobenzene | X | X |
| MW-9A | benzene | X | X |
| MW-9A | chlorobenzene | X | X |
| MW-9A | cis-1,2-DCE | X | X |
| MW-9A | PCE | | X |
| MW-9A | trans-1,2-DCE | X | X |
| MW-9A | TCE | X | X |
| MW-9A | Vinyl chloride | X | X |
| MW-14 | 1,4-dichlorobenzene | | X |
| MW-14 | benzene | X | X |
| MW-14 | chlorobenzene | X | X |
| MW-14 | cis-1,2-DCE | X | X |
| MW-14 | Vinyl chloride | | X |
| MW-15 | Zinc | X | X |
| MW-17 | cis-1,2-DCE | X | X |
| MW-19 | Cobalt | X | |
| MW-19 | Copper | X | |

**2012**†

| | | 3/13/12 | 9/19/12 |
|---|---|---|---|
| MW-9A | Barium | X | X |
| MW-9A | nickel | X | |
| MW-9A | 1,1DCA | X | X |
| MW-9A | benzene | X | X |
| MW-9A | chlorobenzene | X | X |
| MW-9A | cis-1,2-DCE | X | X |
| MW-9A | PCE | X | X |
| MW-9A | trans-1,2-DCE | X | X |
| MW-9A | TCE | X | X |
| MW-9A | Vinyl chloride | X | X |
| MW-14 | 1,4-dichlorobenzene | X | |
| MW-14 | benzene | X | |
| MW-14 | chlorobenzene | X | X |
| MW-14 | cis-1,2-DCE | X | |
| MW-15 | Zinc | X | |
| MW-17 | cis-1,2-DCE | X | X |
| MW-19 | acetone | X | |

**2013**†

| | | 3/25/13 | 7/7/13 | 9/20/13 |
|---|---|---|---|---|
| MW-8B | Barium | | | X |
| MW-8B | Cobalt | | | X |
| MW-9A | Barium | X | | X |
| MW-9A | 1,1DCA | X | X | X |
| MW-9A | 1,4-dichlorobenzene | X | X | |
| MW-9A | benzene | X | X | X |
| MW-9A | chlorobenzene | X | X | X |
| MW-9A | cis-1,2-DCE | X | X | X |
| MW-9A | PCE | | X | X |
| MW-9A | trans-1,2-DCE | X | X | X |
| MW-9A | TCE | X | X | X |
| MW-9A | Vinyl chloride | X | X | X |
| MW-14 | benzene | X | | |
| MW-14 | chlorobenzene | X | | X |
| MW-14 | cis-1,2-DCE | X | | X |
| MW-17 | cis-1,2-DCE | X | | X |
| MW-19 | Cobalt | | | X |
| MW-19 | Copper | | | X |

**2014**†

| | | 3/28/14 | 9/23/14 |
|---|---|---|---|
| MW-8B | Barium | X | X |
| MW-8B | Cobalt | X | X |
| MW-8B | cis-1,2-DCE | X | |
| MW-9A | Barium | X | X |
| MW-9A | Cobalt | X | |
| MW-9A | nickel | X | |
| MW-9A | Zinc | X | |
| MW-9A | 1,1 DCA | X | X |
| MW-9A | 1,1-dichloropropane | X | |

| | | | |
|---|---|---|---|
| MW-9A | 1,4-dichlorobenzene | X | X |
| MW-9A | benzene | X | X |
| MW-9A | chlorobenzene | X | X |
| MW-9A | cis-1,2-DCE | X | X |
| MW-9A | PCE | X | |
| MW-9A | trans-1,2-DCE | X | X |
| MW-9A | TCE | X | X |
| MW-9A | Vinyl chloride | X | X |
| MW-14 | chlorobenzene | X | |
| MW-14 | cis-1,2-DCE | X | |
| MW-15 | Zinc | | X |
| MW-17 | acetone | X | |
| MW-17 | cis-1,2-DCE | X | X |
| MW-19 | Arsenic | X | |
| MW-19 | Cobalt | X | |
| MW-19 | Copper | X | |
| MW-19 | mek | X | |
| MW-19 | acetone | X | |
| MW-19 | chloroethane | X | |

**2015**†

| | | **3/19/15** | **8/27/15** |
|---|---|---|---|
| MW-8B | Barium | X | X |
| MW-8B | Cobalt | X | X |
| MW-9A | Barium | X | X |
| MW-9A | Cobalt | X | |
| MW-9A | 1,1 DCA | X | X |
| MW-9A | 1,1-dichloropropane | X | X |
| MW-9A | 1,4-dichlorobenzene | X | X |
| MW-9A | benzene | X | X |
| MW-9A | chlorobenzene | X | X |
| MW-9A | cis-1,2-DCE | X | X |
| MW-9A | PCE | X | |
| MW-9A | trans-1,2-DCE | X | X |
| MW-9A | TCE | X | |
| MW-9A | Vinyl chloride | X | X |
| MW-17R | cis-1,2-DCE | X | X |
| MW-23B | Barium | | X |
| SW-101 | Selenium | | X |
| SW-103 | cis-1,2-DCE | X | |

**2016**

| | | 3/4/16† | 9/20/2016 |
|---|---|---|---|
| MW-8B | Barium | X | X |
| MW-8B | Cobalt | X | X |
| MW-9A | Barium | X | X |
| MW-9A | 1,1 DCA | X | X |
| MW-9A | 1,4-dichlorobenzene | X | X |
| MW-9A | benzene | X | X |
| MW-9A | chlorobenzene | X | X |
| MW-9A | cis-1,2-DCE | X | X |
| MW-9A | PCE | X | |
| MW-9A | trans-1,2-DCE | X | X |
| MW-9A | TCE | X | X |
| MW-9A | Vinyl chloride | X | X |
| MW-15 | zinc | | X |
| MW-17R | cis-1,2-DCE | X | X |
| MW-17R | Barium | | X |
| SW-101 | Selenium | X | X |

† *Predates paring of the historic background data and the results included herein are considered informational and should not be considered conclusive.*

**2017**

| | | 3/9/2017 | 9/14/2017 |
|---|---|---|---|
| MW-8B | Barium | X | X |
| MW-8B | Cobalt | X | X |
| MW-8B | Nickel | X | |
| MW-9A | Barium | X | X |
| MW-9A | 1,1 DCA | X | X |
| MW-9A | 1,2-DCP | X | |
| MW-9A | 1,4-dichlorobenzene | X | |
| MW-9A | benzene | X | X |
| MW-9A | chlorobenzene | X | X |
| MW-9A | cis-1,2-DCE | X | X |
| MW-9A | PCE | | |
| MW-9A | trans-1,2-DCE | X | X |
| MW-9A | TCE | X | |
| MW-9A | Vinyl chloride | X | X |
| MW-15 | Barium | | X |
| MW-15 | Benzene | | X |
| MW-17R | cis-1,2-DCE | X | X |
| MW-17R | Barium | X | X |

| **Spring 2018** | | **Fall 2018** | |
|---|---|---|---|
| Till/Fill System | | | |
| MW-6A | None | MW-6A | Nickel |
| | | | |
| MW-8B | Barium | MW-8B | Barium |
| | Cobalt | | Cobalt |
| | | | |
| MW-9AR | Barium | MW-9AR | Barium |
| | Cobalt | | Cobalt |
| | Nickel | | Nickel |
| | 1,1-dichloroethane | | 1,1-dichloroethane |
| | 1,2-dichloropropane | | 1,4-dichlorobenzene |
| | Benzene | | Benzene |
| | Chlorobenzene | | Chlorobenzene |
| | **cis-1,2-dichloroethene (exceeds GWPS)** | | Chloroethane |
| | trans-1,2-dichloroethene | | cis-1,2-dichloroethene |
| | trichlorethylene | | trans-1,2-dichloroethene |
| | **Vinyl chloride (exceeds GWPS)** | | trichlorethylene |
| | | | **Vinyl chloride (exceeds GWPS)** |
| | | | |
| MW-15 | Barium | MW-15 | Broken |
| | | | |
| | | | |
| | | | |
| Exline Bedrock System | | | |
| MW-14D | Antimony | MW-14D | Antimony |
| | Selenium | | Selenium |
| | | | |
| MW-17R | Barium | MW-17R | Barium |
| | cis-1,2-dichloroethene | | cis-1,2-dichloroethene |
| | trans-1,2-dichloroethene | | |

| **Spring 2019** | | **Fall 2019** | |
|---|---|---|---|
| Till/Fill System | | | |
| MW-6A | Bis (2-ethylhexyl)phthalate* | MW-6A | None |
| | | | |
| MW-8B | Barium | MW-8B | Barium |
| | Cobalt | | Cobalt |
| | | | |
| MW-9AR | Barium | MW-9AR | Barium |
| | Cobalt | | Cobalt |
| | Nickel | | Nickel |
| | 1,1-dichloroethane | | 1,1-dichloroethane |
| | 1,4-dichlorobenzene | | Benzene |
| | Benzene | | Chlorobenzene |
| | Chlorobenzene | | cis-1,2-dichloroethene |
| | Chloroethane | | trans-1,2-dichloroethene |
| | cis-1,2-dichloroethene | | **Vinyl chloride (exceeds GWPS)** |
| | trans-1,2-dichloroethene | | |
| | trichlorethylene | | |
| | **Vinyl chloride (exceeds GWPS)** | | |
| | | | |
| MW-15R | None | MW-15R | Barium |
| | | | |
| Exline Bedrock System | | | |
| MW-14D | Antimony | MW-14D | Antimony |
| | Selenium | | Selenium |
| | | | |
| MW-17R | Barium | MW-17R | Barium |
| | Nickel | | Nickel |
| | cis-1,2-dichloroethene | | cis-1,2-dichloroethene |

** not verified by the 6/5/2019 resample*

| **Spring 2020** | | **Fall 2020** | |
|---|---|---|---|
| Till/Fill System | | | |
| MW-6A | Bis(2-ethylhexyl)phthalate | MW-6A | None |
| | | | |
| MW-15R | Barium | MW-15R | Barium |
| | | | |
| Tile 1 | 1,4-dichlorobenzene | Tile 1 | Barium |
| | chlorobenzene | | Nickel |
| | cis-1,2-dichloroethene | | 1,4-dichlorobenzene |
| | | | Benzene |
| | | | chlorobenzene |
| | | | cis-1,2-dichloroethene |
| | | | Vinyl Chloride |
| | | | |
| Tile 2 | chlorobenzene | Tile 2 | Barium |
| | cis-1,2-dichloroethene | | Cobalt |
| | Vinyl Chloride | | chlorobenzene |
| | | | cis-1,2-dichloroethene |
| | | | Vinyl Chloride |
| | | | |
| MW-8B | Barium | MW-8B | Barium |
| | Cobalt | | Cobalt |
| | | | |
| MW-9AR | Barium | MW-9AR | Barium |
| | Cobalt | | Cobalt |
| | Nickel | | Nickel |
| | 1,1-dichloroethane | | 1,1-dichloroethane |
| | Benzene | | Benzene |
| | Carbon disulfide | | Chlorobenzene |
| | Chlorobenzene | | cis-1,2-dichloroethene |
| | cis-1,2-dichloroethene | | trans-1,2-dichloroethene |
| | trans-1,2-dichloroethene | | trichlorethylene |
| | trichlorethylene | | Vinyl Chloride |
| | Vinyl Chloride | | |
| | | | |
| Exline Bedrock System | | | |
| MW-14D | Antimony | MW-14D | Antimony |
| | Selenium | | Selenium |
| | | | |
| MW-17R | Barium | MW-17R | Barium |
| | cis-1,2-dichloroethene | | Nickel |
| | | | cis-1,2-dichloroethene |
| | | | |
| MW-28 | cis-1,2-dichloroethene | MW-28 | Barium |
| | | | Cobalt |
| | | | Nickel |
| | | | cis-1,2-dichloroethene |
| | | | trans-1,2-dichloroethene |
| | | | Vinyl Chloride |
| | | | |

| **Spring 2021** | | **Fall 2021** | |
|---|---|---|---|
| Till/Fill System | | | |
| MW-6A | Cobalt | MW-6A | None |
| | Nickel | | |
| | | | |
| MW-15R | Arsenic | MW-15R | Arsenic |
| | Barium | | Barium |
| | | | |
| Tile 1 | Barium | Tile 1 | Barium |
| | Nickel | | Nickel |
| | 1,4-dichlorobenzene | | 1,4-dichlorobenzene |
| | chlorobenzene | | Benzene |
| | | | chlorobenzene |
| | | | cis-1,2-dichloroethene |
| | | | |
| Tile 2 | cis-1,2-dichloroethene | Tile 2 | cis-1,2-dichloroethene |
| | Vinyl Chloride | | Vinyl Chloride |
| | | | |
| MW-8B | Barium | MW-8B | Barium |
| | Cobalt | | Cobalt |
| | | | |
| MW-9AR | Barium | MW-9AR | Barium |
| | Cobalt | | Cobalt |
| | 1,1-dichloroethane | | Nickel |
| | Benzene | | 1,1-dichloroethane |
| | Chlorobenzene | | 1,2-dichloropropane |
| | cis-1,2-dichloroethene | | Benzene |
| | trans-1,2-dichloroethene | | Chlorobenzene |
| | trichlorethylene | | cis-1,2-dichloroethene |
| | Vinyl Chloride | | trans-1,2-dichloroethene |
| | | | trichlorethylene |
| | | | Vinyl Chloride |
| Exline Bedrock System | | | |
| MW-14D | Antimony | MW-14D | Antimony |
| | Selenium | | |
| | | | |
| MW-17R | Barium | MW-17R | Barium |
| | Nickel | | Nickel |
| | cis-1,2-dichloroethene | | cis-1,2-dichloroethene |
| | | | |
| MW-28 | Arsenic | MW-28 | Barium |
| | Barium | | Cobalt |
| | Cobalt | | Nickel |
| | Nickel | | cis-1,2-dichloroethene |
| | cis-1,2-dichloroethene | | Vinyl Chloride |

| **Spring 2022** | | **Fall 2022** | |
|---|---|---|---|
| Till/Fill System | | | |
| MW-6A | Antimony | MW-6A | Nickel |
| | Nickel | | |
| | Selenium | | |
| | | | |
| MW-15R | Arsenic | MW-15R | Arsenic |
| | Barium | | Barium |
| | | | |
| Tile 1 | Barium | Tile 1 | Barium |
| | 1,4-dichlorobenzene | | Cobalt |
| | chlorobenzene | | Nickel |
| | | | 1,4-dichlorobenzene |
| | | | Benzene |
| | | | chlorobenzene |
| | | | |
| Tile 2 | cis-1,2-dichloroethene | Tile 2 | Barium |
| | Vinyl Chloride | | cis-1,2-dichloroethene |
| | | | Vinyl Chloride |
| | | | |
| MW-8B | Barium | MW-8B | Barium |
| | Cobalt | | Cobalt |
| | | | |
| MW-9AR | 1,1-dichloroethane | MW-9AR | Barium |
| | 1,2-dichloropropane | | Nickel |
| | cis-1,2-dichloroethene | | 1,1-dichloroethane |
| | trans-1,2-dichloroethene | | Benzene |
| | trichlorethylene | | Chlorobenzene |
| | Vinyl Chloride | | cis-1,2-dichloroethene |
| | | | trans-1,2-dichloroethene |
| | | | trichlorethylene |
| | | | Vinyl Chloride |
| MW-31 | 1,4-dichlorobenzene | | |
| | Benzene | | |
| | chlorobenzene | | |
| | | | |
| MW-32 | chlorobenzene | | |
| | cis-1,2-dichloroethene | | |
| Exline Bedrock System | | | |
| MW-14D | none | MW-14D | Cobalt |
| | | | |
| MW-17R | Barium | MW-17R | Barium |
| | Nickel | | Cobalt |
| | bis(2-ethylhexyl)phthalate | | Nickel |
| | cis-1,2-dichloroethene | | cis-1,2-dichloroethene |
| | | | |
| MW-28 | Arsenic | MW-28 | Arsenic |
| | Barium | | Barium |
| | Cobalt | | Cobalt |
| | Nickel | | Nickel |
| | cis-1,2-dichloroethene | | cis-1,2-dichloroethene |
| | Vinyl Chloride | | |

| **Spring 2023** | | **Fall 2023** | |
|---|---|---|---|
| Till/Fill System | | | |
| MW-44 | did not exist | MW-44 | Barium |
| | | | |
| MW-15R | Arsenic | MW-15R | Arsenic |
| | Barium | | Barium |
| | | | |
| Tile 1 | Barium | Tile 1 | Barium |
| | 1,4-dichlorobenzene | | Nickel |
| | chlorobenzene | | 1,4-dichlorobenzene |
| | | | Benzene |
| | | | chlorobenzene |
| | | | |
| Tile 2 | cis-1,2-dichloroethene | Tile 2 | cis-1,2-dichloroethene |
| | Vinyl Chloride | | Vinyl Chloride |
| | | | |
| MW-9AR | 1,2-dichloropropane | MW-9AR | 1,1-dichloroethane |
| | cis-1,2-dichloroethene | | Benzene |
| | trans-1,2-dichloroethene | | Chlorobenzene |
| | trichlorethylene | | cis-1,2-dichloroethene |
| | Vinyl Chloride | | trans-1,2-dichloroethene |
| | | | trichlorethylene |
| | | | Vinyl Chloride |
| | | | |
| MW-31 | 1,4-dichlorobenzene | MW-31 | No test required |
| | Benzene | | |
| | chlorobenzene | | |
| Exline Bedrock System | | | |
| MW-14D | none | MW-14D | Cobalt |
| | | | |
| MW-17R | Barium | MW-17R | Barium |
| | Nickel | | Nickel |
| | cis-1,2-dichloroethene | | cis-1,2-dichloroethene |
| | | | |
| MW-28 | Arsenic | MW-28 | Arsenic |
| | Barium | | Barium |
| | Cobalt | | Cobalt |
| | Nickel | | Nickel |
| | cis-1,2-dichloroethene | | cis-1,2-dichloroethene |
| | Vinyl Chloride | | |

| **Spring 2024** | | **Fall 2024** | |
|---|---|---|---|
| Till/Fill System | | | |
| MW-44 | Barium | MW-44 | Barium |
| | Bis(2-ethylhexyl)phthalate | | Bis(2-ethylhexyl)phthalate |
| | | | |
| Tile 1 | Barium | Tile 1 | Barium |
| | Nickel | | Nickel |
| | 1,4-dichlorobenzene | | 1,4-dichlorobenzene |
| | chlorobenzene | | Benzene |
| | | | chlorobenzene |
| | | | |
| Tile 2 | cis-1,2-dichloroethene | Tile 2 | Barium |
| | Vinyl Chloride | | chlorobenzene |
| | | | cis-1,2-dichloroethene |
| | | | Vinyl Chloride |
| Exline Bedrock System | | | |
| MW-14D | Bis(2-ethylhexyl)phthalate | MW-14D | None |
| | | | |
| MW-17R | Barium | MW-17R | Barium |
| | Nickel | | Nickel |
| | cis-1,2-dichloroethene | | cis-1,2-dichloroethene |
| | | | |
| MW-28 | Arsenic | MW-28 | Barium |
| | Barium | | Cobalt |
| | Cobalt | | Nickel |
| | Nickel | | cis-1,2-dichloroethene |
| | cis-1,2-dichloroethene | | Vinyl Chloride |
| | | | |

| **Spring 2025** | | **Fall 2025** | |
|---|---|---|---|
| Till/Fill System | | | |
| MW-6A | cobalt | MW-6A | None |
| | | | |
| MW-44 | Barium | MW-44 | Barium |
| | | | |
| Tile 1 | Barium | Tile 1 | Barium |
| | 1,4-dichlorobenzene | | 1,4-dichlorobenzene |
| | Benzene | | Benzene |
| | chlorobenzene | | chlorobenzene |
| | | | cis-1,2-dichloroethene |
| | | | Vinyl Chloride |
| | | | |
| Tile 2 | cis-1,2-dichloroethene | Tile 2 | chlorobenzene |
| | | | cis-1,2-dichloroethene |
| | | | Vinyl Chloride |
| | | | |
| Exline Bedrock System | | | |
| MW-17R | Barium | MW-17R | Barium |
| | Nickel | | Nickel |
| | | | |
| MW-28 | Arsenic | MW-28 | Barium |
| | Barium | | Cobalt |
| | Cobalt | | cis-1,2-dichloroethene |
| | Nickel | | |
| | cis-1,2-dichloroethene | | |

# Appendix G

# Assessment Testing Results Summary

Bis(2-ethylhexyl)phthalate (green highlights =a full Appendix II sample)

| Date | MW-6A | MW-14D | MW-17R | Tile 1 | Tile 2 | MW-28 | MW-44 |
|---|---|---|---|---|---|---|---|
| 8/27/2015 | NT | NT | NT | NT | NT | NT | NT |
| 3/4/2016 | NT | NT | < 8 | NT | NT | NT | NT |
| 9/20/2016 | NT | NT | NT | NT | NT | NT | NT |
| 3/9/2017 | NT | NT | < 8 | NT | NT | NT | NT |
| 6/6/2017 | NT | NT | NT | NT | NT | NT | NT |
| 9/14/2017 | NT | <6 | NT | NT | NT | NT | NT |
| 3/13/2018 | NT | < 8 | NT | NT | NT | NT | NT |
| 9/10/2018 | NT | NT | NT | NT | NT | NT | NT |
| 3/26/2019 | **55.0** | NT | NT | NT | NT | NT | NT |
| 6/5/2019 | < 6 | NT | NT | NT | NT | NT | NT |
| 9/16/2019 | NT | NT | NT | NT | NT | NT | NT |
| 3/24/2020 | **7.0** | NT | NT | NT | NT | NT | NT |
| 9/2/2020 | NT | NT | NT | NT | NT | NT | NT |
| 3/8/2021 | < 6 | NT | NT | <6 | <6 | <6 | NT |
| 9/14/2021 | < 6 | NT | NT | NT | NT | NT | NT |
| 3/28/2022 | < 6 | NT | **13.0** | <6 | <6 | <6 | NT |
| 9/13/2022 | NT | NT | < 6 | NT | NT | NT | NT |
| 3/23/2023 | NT | NT | NT | NT | NT | NT | NT |
| 9/5/2023 | NT | NT | NT | NT | NT | NT | NT |
| 3/6/2024 | NT | **10.0** | NT | NT | NT | NT | **14.0** |
| 9/18/2024 | NT | < 6 | NT | NT | NT | NT | **10.0** |
| 3/11/2025 | <6 | < 6 | NT | NT | NT | NT | **6.0** |
| 9/4/2025 | NT | NT | NT | NT | NT | NT | < 6 |

Bis(2-ethylhexyl)phthalate (*green highlights =a full Appendix II sample*)

| Date | MW-9A/9AR* | MW-8B* | MW-15/15R* |
|---|---|---|---|
| 6/8/2009 | < 8 | NT | NT |
| 10/23/2009 | < 11 | NT | NT |
| 1/27/2010 | NT | < 8 | NT |
| 3/19/2010 | NT | < 9.5 | NT |
| 9/14/2010 | **9.0** | NT | NT |
| 3/4/2011 | < 10 | NT | NT |
| 3/13/2012 | < 10 | NT | NT |
| 9/19/2012 | < 10 | NT | NT |
| 3/5/2013 | < 10 | NT | NT |
| 9/12/2013 | < 10 | NT | NT |
| 3/28/2014 | < 10 | NT | NT |
| 9/23/2014 | < 10 | NT | NT |
| 3/19/2015 | < 10 | NT | NT |
| 8/27/2015 | < 10 | NT | NT |
| 3/4/2016 | < 8 | < 8 | NT |
| 9/20/2016 | < 10 | NT | NT |
| 3/9/2017 | < 10 | NT | **12.0** |
| 6/6/2017 | NT | NT | <6 |
| 9/14/2017 | NT | NT | NT |
| 3/13/2018 | NT | NT | <6 |
| 9/10/2018 | NT | NT | NT |
| 3/26/2019 | NT | NT | NT |
| 6/5/2019 | NT | NT | NT |
| 9/16/2019 | NT | NT | NT |
| 3/24/2020 | NT | NT | NT |
| 9/2/2020 | NT | NT | NT |
| 3/8/2021 | NT | NT | NT |
| 9/14/2021 | NT | NT | NT |
| 3/28/2022 | NT | NT | NT |
| 9/13/2022 | NT | NT | NT |
| 3/23/2023 | NT | NT | NT |
| 9/5/2023 | NT | NT | NT |
| 3/6/2024 | NT | NT | NT |
| 9/18/2024 | NT | NT | NT |
| 3/10/2025 | NT | NT | NT |
| 9/4/2025 | NT | NT | NT |

** - Supplemental wells do not require full Appendix II sampling on the five (5) year frequency.*

# Appendix H

# Leachate Collection System Performance Evaluation Report

Appendix H.1 - Leachate Recirculation Volumes
Daily/Weekly Leachate Recirculation Logs

**Leachate Recirculation**
**South Central Iowa Sanitary Landfill**
**2025**

| March | | June | | July | | August | | November | |
|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Gallons** | **Date** | **Gallons** | **Date** | **Gallons** | **Date** | **Gallons** | **Date** | **Gallons** |
| 3/17/25 | 75,000 | 6/9/25 | 50,000 | 7/7/25 | 50,000 | 8/4/25 | 50,000 | 11/3/25 | 75,000 |
| 3/18/25 | 75,000 | 6/11/25 | 50,000 | 7/14/25 | 50,000 | 8/8/25 | 50,000 | 11/4/25 | 75,000 |
| 3/19/25 | 75,000 | 6/13/25 | 50,000 | 7/16/25 | 50,000 | 8/22/25 | 50,000 | 11/5/25 | 75,000 |
| 3/20/25 | 75,000 | 6/16/25 | 50,000 | 7/18/25 | 50,000 | | | 11/6/25 | 75,000 |
| 3/21/25 | 75,000 | 6/18/25 | 50,000 | 7/22/25 | 50,000 | | | 11/7/25 | 75,000 |
| 3/24/25 | 75,000 | 6/30/25 | 50,000 | 7/28/25 | 50,000 | | | 11/10/25 | 75,000 |
| 3/25/25 | 75,000 | | | | | | | 11/11/25 | 75,000 |
| 3/26/25 | 75,000 | | | | | | | 11/12/25 | 75,000 |
| | | | | | | | | 11/13/25 | 75,000 |
| | | | | | | | | 11/14/25 | 75,000 |
| | | | | | | | | 11/17/25 | 75,000 |
| | | | | | | | | 11/18/25 | 75,000 |
| **TOTAL** | 600,000 | | 300,000 | | 300,000 | | 150,000 | | 900,000 |

**2,250,000 Gallons**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 3/17/25 | 3/18/25 | 3/19/25 | 3/20/25 | 3/21/25 | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 2” | 2” | 3” | 2” | 3” | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | | | | | | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 3/24/25 | 3/25/25 | 3/26/25 | | | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 1” | 2” | 4” | | | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | | | | | | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | 75,000 | 75,000 | 75,000 | | | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 6/09/25 | | 6/11/25 | | 6/13/25 | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 0 | | 1” | | 1” | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | 50,000 | | 50,000 | | 50,000 | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | | | | | | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 6/16/54 | | 6/18/25 | | | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 3” | | 2” | | | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | 50,000 | | 50,000 | | | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | | | | | | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 6/30/25 | | | | | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 1” | | | | | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | 50,000 | | | | | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | | | | | | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 7/07/25 | | | | | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 0 | | | | | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | 50,000 | | | | | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | | | | | | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12" leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12".**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 7/14/25 | | 7/16/25 | | 7/18/25 | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 2” | | 2” | | 1” | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | 50,000 | | 50,000 | | 50,000 | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | | | | | | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | | 7/22/25 | | | | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | | 3” | | | | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | | 50,000 | | | | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | | | | | | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 7/28/25 | | | | | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 2” | | | | | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | 50,000 | | | | | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | | | | | | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 8/04/25 | | | | 8/08/25 | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 1” | | | | 2” | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | 50,000 | | | | 50,000 | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | | | | | | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | | | | | 8/22/25 | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | | | | | 1” | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | | | | | 50,000 | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | | | | | | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 11/3/25 | 11/4/25 | 11/5/25 | 11/6/25 | 11/7/25 | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 1” | 2” | 2” | 3” | 3” | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | | | | | | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 11/10/25 | 11/11/25 | 11/12/25 | 11/13/25 | 11/14/25 | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 2” | 1” | 2” | 3” | 3” | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | | | | | | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# SCILA Landfill – Daily/Weekly Leachate Recirculation Log

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|---|
| Date | | 11/17/25 | 11/18/25 | | | | |
| Liquid Level (not to exceed 12-inches) | | | | | | | |
| LW-101* | | 1” | 2” | | | | |
| Spray Irrigation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Spray Irrigation Gallons | | | | | | | |
| | | | | | | | |
| Trench Recirculation Time | | | | | | | |
| Start Time | | | | | | | |
| End Time | | | | | | | |
| Trench Recirculation Gallons | | | | | | | |
| | | 75,000 | 75,000 | | | | |

***NOTES: 1) LW-101 measurement required at least once per week when leachate is being recirculated.**

**2) If liquid level in LW-101 exceeds 12” leachate recirculation shall stop and not resume until the liquid level in LW-101 is less than 12”.**

# Appendix H.2 - Authorization to Discharge at Des Moines Metropolitan Wastewater Reclamation Facility

*DES MOINES METROPOLITAN*
*WASTEWATER RECLAMATION AUTHORITY*

**CITY OF DES MOINES, OPERATING CONTRACTOR**

October 30, 2025

Marcia Beeler
South Central Iowa Landfill Agency
2520 State Hwy 92
Winterset, IA 50273

RE: Hauled Waste Discharge Permit No. B10161

Dear Ms. Beeler:

Enclosed is your Hauled Waste Discharge Permit for the South Central Iowa Landfill facility on Highway 92 in Winterset. Your permit is valid until the expiration date; however, an annual permit fee is required.

Please keep us informed of any changes that may affect the characteristics or volume of your facility's hauled waste to the WRF. Please contact me with any questions or comments at 515/323-8133 or via email at pcebert@dmgov.org.

Sincerely,

Paul Ebert
WRF Regulatory Compliance Manager
WRA Wastewater Reclamation Facility

PE/ajf

Enc: Hauled Wastewater Discharge Permit

CC: T. Whipple, HLW Engineering (twhipple@hlwengineering.com)
File

*DES MOINES METROPOLITAN*
*WASTEWATER RECLAMATION AUTHORITY*

**CITY OF DES MOINES, OPERATING CONTRACTOR**

**DES MOINES METROPOLITAN WASTEWATER RECLAMATION AUTHORITY**
**HAULED WASTE DISCHARGE PERMIT**
**PERMIT NO. B10161**

In accordance with the provisions of the Municipal Code of Des Moines, Chapter 118, Article III known as the Industrial Waste Ordinance,

South Central Iowa Landfill Agency
2520 State Hwy 92
Winterset, IA 50273

is hereby authorized to deliver wastewater from the RCRA Subtitle D non-hazardous landfill via a properly licensed and maintained tank truck to the Des Moines Metropolitan Wastewater Reclamation Facility in accordance with the conditions set forth in this permit. Compliance with this permit does not relieve the industrial user of its obligations to comply with all applicable pretreatment regulations, standards, requirements, or laws that are or may become effective during the term of this permit.

Noncompliance with any term or condition of this permit shall constitute a violation of the City of Des Moines Industrial Waste Ordinance.

EFFECTIVE DATE: November 1, 2025

EXPIRATION DATE: October 31, 2030

RENEWAL DATE: July 31, 2030

The industrial user must file an application for permit renewal 90 days prior to the expiration date.

Scott Hutchens, P.E., WRA Director
City of Des Moines
WRA Wastewater Reclamation Facility

REVISED: September 24, 2025

**PART 1 - REQUIREMENTS RELATING TO TRUCKED WASTES**

The Des Moines Metropolitan Wastewater Reclamation Authority (WRA) will accept process wastewater from the Industrial User (IU) under the following terms:

A. Process Wastewater Characteristics and Volume

1. The pH of any load must not be less than 5.0 S.U. or greater than 12.0 S.U.

2. The COD of any load delivered to the headworks (Structure 07) must not exceed 100,000 mg/L.

3. The Arsenic Daily Maximum concentration of any load shall not exceed 0.38 mg/L, and the Total Daily Loading of Arsenic shall not exceed 0.014 lbs/day.

4. Total Toxic Organics (TTO) will be monitored routinely by the WRA. TTOs are sum of all volatile organic compounds detected using EPA Method 624.

5. The number of truck loads delivered to the Des Moines Metropolitan Wastewater Reclamation Facility (WRF) shall not exceed five (5) per day. The IU may request an increase in writing. The WRF reserves the right to further restrict the volume of leachate per day in order to meet pollutant loading limits for the WRF as identified in Chapter 118-343.

6. Hauled waste shall be delivered to the headworks (Structure 07) at the WRF, unless directed otherwise by WRA personnel.

7. Only landfill leachate wastewater is allowed by truck without advanced notice to and permission from the WRA Director.

B. Treatment Charges

1. Charges must cover all the costs incurred by the WRA to handle and treat the wastewater as determined by the WRA Director, as well as the costs to analyze the wastewater.

2. Charges are billed monthly with NET 30 terms payable to DES MOINES WRA and mailed to

City of Des Moines Treasurer's Office
P.O. Box 1633
Des Moines, IA 50306-1633

3. Treatment charges for waste loads disposed of at the WRF are listed on the WRA website (www.dmmwra.org/180/Hauled-Waste), unless a special waste rate has been assigned.

4. Reevaluation of charges:
   (a) At a minimum, charges will be reevaluated annually and take effect July 1st.
   (b) Charges may be reevaluated at the request of the IU or by the WRA at any time due to waste characteristic changes in the process wastewater.
   (c) Changes in treatment charges are effective after 30-days' notice to the IU.

C. Sampling & Analysis

1. WRA Sampling & Analysis
   (a) The WRA may, at a minimum, perform daily sampling and measurement of pH, O&G, COD, TSS, TKN, %TS, %VS at the cost provided for in Chapter 118-352. The cost will be assessed to the IU and included in the charges in Part 1, B.1. above.
   (b) The WRA will perform other sampling and analysis at the expense of the IU as necessary to accurately assess charges and pollutant loadings.
   (c) Samples shall be taken from the tank truck at the WRF prior to discharge or mixing with any other waste.

2. Industrial User Sampling & Analysis
   (a) The IU shall perform an annual scan of priority pollutants and report results to the WRA.
   (b) Such scan does not eliminate the need for the WRA to perform its normal sampling and analysis.
   (c) Samples shall be taken from the leachate collection vessel used to fill tank trucks for transport to the WRF.

D. Hours of Operation

1. The WRA will accept trucked waste 24/7 if drivers are familiar with the WRF manifesting, scaling, and unloading processes.

2. The WRA has the right to restrict hours as necessary and restrict truck driver access as necessary. Additional costs to provide service will be charged to the IU.

E. Termination of this Permit

1. This permit may be terminated by the IU by making a written request to the WRA providing 30-days' advanced notice.

2. This permit may be terminated by the WRA for any reason by providing 30-days' advanced written notice to the IU.

3. Delivery of wastes may be immediately suspended by the WRA if acceptance of this wastewater causes, or is anticipated to cause, interference, pass through of pollutants, or violation of any environmental permit held by the WRA.

F. Automatic Permit Extension

Expired permits shall remain effective and enforceable until the permit is reissued unless the IU is notified of permit termination by the WRA Director. (Chapter 118-372)

G. Damages

Anyone delivering or discharging wastes to the WRF whose waste causes upset, interference, or pass through is liable for the costs incurred by such incident and to penalties as allowed under city, state, and federal law.

H. Spill Control Plan

When required to do so by the WRA, the IU shall develop a Spill Control Plan to address potential spills or slugs.

**PART 2 – REPORTING REQUIREMENTS**

A. Monitoring Reports

The WRA will provide the IU with routine reports of the concentration of pollutants in the IU's effluent which are being monitored as described above.

1. Semi-Annual Reports

A certification statement, signed by an Authorized Representative, which uses the language required by federal law (40 CFR 403.12(l)), must be returned to the WRA every six (6) months. The industry is certifying that information it has submitted to the WRA is true and accurate. Those with TTO limits in wastewater discharge permits have an additional certifying statement regarding use and disposal of these substances. The IU shall submit a semi-annual report to the WRA as follows:

| Semi-Annual | Periods Covered |
|---|---|
| 1st Half | January – June |
| 2nd Half | July - December |

Semi-Annual Report Format

(a) Identifying information.
(b) Measurement of pollutants for any samples collected by the IU, per Chapter 118-377(5).
(c) Certification and signature by IU.
(d) Compliance schedule (as required).
(e) Additional monitoring (as required).

2. Reports - Additional Monitoring

If the IU monitors any permitted pollutant from the sample location identified in Part 1.C more frequently than required by this permit, using test procedures prescribed in 40 CFR Part 136, the results of such monitoring shall be submitted to the WRA. Such monitoring results shall be summarized and reported to the WRA as part of the semi-annual report.

B. Accidental Discharge Report

The IU shall notify the WRA immediately of all discharges that could cause problems to the POTW, including any slug loadings, as outlined in Chapter 118-349. Formal written notification discussing circumstances and remedies shall be submitted to the WRA within five (5) days of the occurrence. The following procedures shall be followed:

1. Accidental discharges that contain pollutants that exceed the permitted limit by 5x or that exceed a designated slug discharge concentration shall be reported immediately.

2. Accidental discharges that may cause permanent damage to treatment system shall be reported immediately. These discharges include, but are not limited to, pollutants that may cause a fire or explosion hazard, pH of less than 4.0 or greater than 13.0 for, any pollutant in a concentration that would increase the atmosphere in the POTW above the LC50 for human exposure, and any pollutant that may increase the concentration in the influent to the WRF enough to decrease treatment efficiency.

3. The IU shall notify the WRA immediately by telephone at 515/323-8000 or 8133. The notification shall include the name of the person making the call, telephone number where said person can be reached, location of discharge, date and time thereof, type of waste, including concentration and volume, and corrective action taken.

The party making the call shall be available by phone for a minimum of fifteen (15) minutes after the notification is made. This is so that a member of the WRA may contact the industry representative for more information, if necessary.

4. Within five (5) days following an accidental discharge, the IU shall submit to the WRA a detailed written report. The report shall specify:

   (a) Description of the upset, slug or accidental discharge, the cause thereof, and the impact on the IU's compliance status. The description should also include location of discharge, type, concentration and volume of waste.
   (b) Duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance continues, the time by which compliance is reasonably expected to occur.
   (c) All steps taken or to be taken to reduce, eliminate and prevent recurrence of such a slug discharge, accidental discharge, or other condition of noncompliance.

C. Anticipated Noncompliance

The IU shall give advance notice to the WRA of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

D. Signatory Requirements

1. All applications and reports submitted to the WRA must contain the following certification statement and be signed by an authorized representative of the IU as defined below:

   "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

   Authorized Representative means:
   (a) An executive officer of a corporation.
   (b) A general partner of a partnership.
   (c) The proprietor of a proprietorship.
   (d) The conservator, trustee, attorney in fact, receiver or other person or agent authorized in law and in fact to act on behalf of IUs which are not corporations, partnerships, or proprietorships or on behalf of other entities which must legally act through an agent.
   (e) Any other authorized representative of (a), (b), (c), or (d) above if the authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the discharge originates, such as the position of plant manager or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company and the written authorization is submitted to the WRA Director.
   (f) Any other person authorized by law to act on behalf of any entity.

2. If an authorization under paragraph (d) of this subpart is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for the environmental matters for the company, a new authorization satisfying the requirements of paragraph (d) of this subpart must be submitted to the WRA prior to or together with any reports to be signed by an authorized representative.

E. Wastewater Reclamation Authority Address and Phone Number

All reports, applications and correspondence shall be submitted by fax (515-323-8063) or to the following address:

Des Moines Metropolitan Wastewater Reclamation Authority
Attention: Pretreatment Department
3000 Vandalia Road
Des Moines, IA 50317

Telephone notification shall be to WRA - 515/323-8000 or 8133.

**PART 3 - GENERAL CONDITIONS**

The EPA in 40 CFR 403 requires wastewater treatment plants with pretreatment authority to have the following authority over all dischargers:

A. Duty to Comply

You must comply with the terms, conditions, and limits of this permit and of city ordinance. (Chapters 118-321 and 118-376)

B. Duty to Mitigate

The IU shall take all reasonable steps to minimize, correct, or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting the WRF, collection system, human health or environment. (Chapter 118-349)

C. Changes Resulting in New or Increase Pollutants

New or increased contributions of pollutants or changes in the nature of pollutant discharged to the WRF, whether due to changes in production, activity, flow or construction, shall require ninety (90) days prior approval by the WRA Director. (Chapter 118-370(11))

D. Permit Transfer

The IU shall not reassign or transfer this permit. New owners must apply for a new wastewater discharge permit sixty (60) days prior to a change of ownership. (Chapter 118-374)

E. Inspection of Premises, Records, Equipment, Methods and Discharges

You must permit authorized representatives of the City of Des Moines to inspect and sample in accordance with Chapter 118-405.

F. Confidential Information

No information shall be confidential except as specified in Chapters 118-381 and 118-382.

G. Dilution

The IU shall not increase the use of potable or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with limitations contained in this permit.

H. Annual Publication

A list of all permitted users which significantly violated pretreatment standards or requirements (including permit requirements) during the twelve (12) previous months shall be annually published in the largest daily newspaper within the service area. (Chapter 118-396)

I. Civil and Criminal Penalties

Violation of pretreatment standards and requirements, administrative orders, or compliance schedules may subject the IU to civil and criminal penalties contained in Chapter 118-400 and Iowa Code 364.22(1).

Appendix H.3 - Leachate Testing Results

Microbac Laboratories, Inc., Newton

# CERTIFICATE OF ANALYSIS

1IC0688

Project Description

SCILA - Leachate

For:

Todd Whipple

**HLW Engineering**

204 West Broad St

Story City, IA 50248

Tiffannie Clymer

Customer Relationship Specialist

Monday, March 31, 2025

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

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

MICROBAC®

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC0688

**HLW Engineering**

Todd Whipple
204 West Broad St
Story City, IA 50248

**Project Name: SCILA - Leachate**

Project / PO Number: N/A
Received: 03/11/2025
Reported: 03/31/2025

**Sample Summary Report**

| Sample Name | Laboratory ID | Client Matrix | Sample Type | Sample Begin | Sample Taken | Lab Received |
|---|---|---|---|---|---|---|
| West Lagoon | 1IC0688-01 | Aqueous | GRAB | | 03/10/25 14:44 | 03/11/25 10:35 |
| East Lagoon | 1IC0688-02 | Aqueous | GRAB | | 03/10/25 17:24 | 03/11/25 10:35 |

**Analytical Testing Parameters**

| | | | |
|---|---|---|---|
| **Client Sample ID:** | West Lagoon | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0688-01 | **Collection Date:** | 03/10/2025 14:44 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 624.1** | | | | | | | | |
| Chloromethane | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Vinyl Chloride | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Bromomethane | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Chloroethane | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| 1,1-Dichloroethylene | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Methylene Chloride | <50.0 | 50.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| trans-1,2-Dichloroethylene | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| 1,1-Dichloroethane | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| cis-1,2-Dichloroethylene | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Chloroform | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| 1,1,1-Trichloroethane | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Carbon Tetrachloride | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Benzene | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| 1,2-Dichloroethane | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Trichloroethylene | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| 1,2-Dichloropropane | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Bromodichloromethane | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| 2-Chloroethylvinyl ether | <100 | 100 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| cis-1,3-Dichloropropene | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Toluene | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| trans-1,3-Dichloropropene | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| 1,1,2-Trichloroethane | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Tetrachloroethylene | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Dibromochloromethane | <10.0 | 10.0 | ug/L | 10 | | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Chlorobenzene | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Ethylbenzene | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Bromoform | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| 1,1,2,2-Tetrachloroethane | <10.0 | 10.0 | ug/L | 10 | **L3** | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Surrogate: Dibromofluoromethane | 81.2 | Limit: 59-123 | % Rec | 10 | | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 81.7 | Limit: 56-130 | % Rec | 10 | | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Surrogate: Toluene-d8 | 104 | Limit: 85-113 | % Rec | 10 | | 03/21/25 0000 | 03/21/25 2150 | CSM |
| Surrogate: 4-Bromofluorobenzene | 95.1 | Limit: 82-112 | % Rec | 10 | | 03/21/25 0000 | 03/21/25 2150 | CSM |

| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 625.1** | | | | | | | | |
| n-Decane | <5 | 5 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| n-Octadecane | <5 | 5 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Carbazole | <5 | 5 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Surrogate: Nitrobenzene-d5 | 67.2 | Limit: 17-150 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Surrogate: 2-Fluorobiphenyl | 54.1 | Limit: 15-134 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | West Lagoon | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0688-01 | **Collection Date:** | 03/10/2025 14:44 |

| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Surrogate: Terphenyl-dl4 | 84.7 | Limit: 12-157 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 625.1** | | | | | | | | |
| Bis(2-Chloroethyl) Ether | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 2-Chlorophenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 1,3-Dichlorobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 1,4-Dichlorobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Benzyl Alcohol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 1,2-Dichlorobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Bis[2-Chloroisopropyl]ether | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| n-Nitroso-di-n-propylamine | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Hexachloroethane | <10 | 10 | ug/L | 1 | **Q3** | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Nitrobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Isophorone | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 2-Nitrophenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 2,4-Dimethylphenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Bis (2-Chloroethoxy) Methane | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Benzoic acid | <50 | 50 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 2,4-Dichlorophenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 1,2,4-Trichlorobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Naphthalene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Hexachlorobutadiene | <20 | 20 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 4-Chloro-3-methylphenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Hexachlorocyclopentadiene | <20 | 20 | ug/L | 1 | **Q8** | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 2,4,6-Trichlorophenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 2,4,5-Trichlorophenol | <50 | 50 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 2-Chloronaphthalene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Dimethylphthalate | <15 | 15 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Acenaphthylene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 2,6-Dinitrotoluene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Acenaphthene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 2,4-Dinitrophenol | <20 | 20 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Dibenzofuran | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 2,4-Dinitrotoluene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 4-Nitrophenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Diethyl Phthalate | <30 | 30 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Fluorene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 4-Chlorophenyl Phenyl Ether | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 4,6-Dinitro-2-methylphenol | <20 | 20 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| N-Nitrosodiphenylamine | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 4-Bromophenyl Phenyl Ether | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | West Lagoon | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0688-01 | **Collection Date:** | 03/10/2025 14:44 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Hexachlorobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Pentachlorophenol | <20 | 20 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Phenanthrene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Anthracene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Di-n-butyl Phthalate | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Fluoranthene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Pyrene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Butyl Benzyl Phthalate | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Benzo(a)anthracene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Chrysene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Bis(2-Ethylhexyl) Phthalate | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Di-n-octyl Phthalate | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Indeno(1,2,3-cd)Pyrene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| 3,3´-Dichlorobenzidine | <20 | 20 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Benzo(b)Fluoranthene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Benzo(k)Fluoranthene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Benzo(a)Pyrene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Dibenzo(a,h)anthracene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Benzo(g,h,i)perylene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Surrogate: 2-Fluorophenol | 59.7 | Limit: 16-140 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Surrogate: Phenol-d6 | 68.4 | Limit: 13-147 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Surrogate: Nitrobenzene-d5 | 67.2 | Limit: 17-150 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Surrogate: 2-Fluorobiphenyl | 54.1 | Limit: 15-134 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 76.8 | Limit: 20-158 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |
| Surrogate: Terphenyl-dl4 | 84.7 | Limit: 12-157 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2242 | EPP |

| Determination of Organochlorine Insecticides & PCBs | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3520C/EPA 608.3 GC-ECD** | | | | | | | | |
| Gamma-BHC [Lindane] | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Beta-BHC | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Heptachlor | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Delta-BHC | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Aldrin | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Heptachlor Epoxide | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Endosulfan I | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| 4,4`-DDE | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Dieldrin | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Endrin | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| 4,4`-DDD | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Endosulfan II | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| 4,4`-DDT | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Endrin Aldehyde | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Endosulfan Sulfate | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | West Lagoon | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0688-01 | **Collection Date:** | 03/10/2025 14:44 |

| Determination of Organochlorine Insecticides & PCBs | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Chlordane | <0.10 | 0.10 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Toxaphene | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Arochlor 1016 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Arochlor 1221 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Arochlor 1232 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Arochlor 1242 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Arochlor 1248 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Arochlor 1254 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Arochlor 1260 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Surrogate: Decachlorobiphenyl | 49.2 | Limit: 12-130 | % Rec | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |
| Surrogate: Tetrachloro-m-xylene | 65.0 | Limit: 31-116 | % Rec | 1 | | 03/13/25 1033 | 03/20/25 1222 | EPP |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **4500CN-E** | | | | | | | | |
| Cyanide, total | <0.010 | 0.010 | mg/L | 1 | **M2** | 03/13/25 1401 | 03/14/25 1502 | AKK |
| **5310B** | | | | | | | | |
| Total Organic Carbon | **373** | 50.0 | mg/L | 100 | | 03/26/25 0000 | 03/26/25 1421 | CSM |
| **EPA 150.1** | | | | | | | | |
| pH | **8.0** | 0.5 | pH | 1 | **H4** | 03/14/25 0831 | 03/18/25 0806 | BSS |
| **EPA 1664A** | | | | | | | | |
| Oil and Grease | <4 | 4 | mg/L | 1 | **A14** | 03/17/25 0911 | 03/18/25 0735 | RDH |
| **EPA 410.4, Rv. 2 (1993)** | | | | | | | | |
| COD, total | **1070** | 54 | mg/L | 1 | | 03/17/25 0809 | 03/18/25 0845 | CES |
| **SM 2320 B-2011** | | | | | | | | |
| Alkalinity, as CaCO3 | **4990** | 100 | mg/L | 1 | | | 03/13/25 1420 | BSS |
| **SM 5210 B-2016** | | | | | | | | |
| BOD (5 day) | **68** | 6 | mg/L | 3 | | 03/12/25 0913 | 03/12/25 1022 | MND |
| **TIMBERLINE** | | | | | | | | |
| Nitrogen, Ammonia | **529** | 10.0 | mg/L | 100 | | 03/14/25 0916 | 03/14/25 1144 | SDF |
| **USGS I-1750-85** | | | | | | | | |
| Total Dissolved Solids (TDS) | **6010** | 5 | mg/L | 13 | | 03/12/25 0852 | 03/13/25 1216 | MSP |
| **USGS I-3765-85** | | | | | | | | |
| Total Suspended Solids (TSS) | **23** | 5 | mg/L | 5 | | 03/17/25 0720 | 03/17/25 0945 | LAW |

| Determination of Inorganic Anions | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **300.0** | | | | | | | | |
| Chloride | **1750** | 50.0 | mg/L | 50 | | | 03/12/25 1518 | MID |
| Nitrogen, Nitrate | **0.2** | 0.1 | mg/L | 1 | | 03/11/25 0000 | 03/11/25 2003 | MID |
| Sulfate | **15.1** | 1.0 | mg/L | 1 | | 03/11/25 0000 | 03/11/25 2003 | MID |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|

# CERTIFICATE OF ANALYSIS

## 1IC0688

| | | | |
|---|---|---|---|
| **Client Sample ID:** | West Lagoon | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0688-01 | **Collection Date:** | 03/10/2025 14:44 |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **200.7** | | | | | | | | |
| Calcium, total | **60.5** | 0.1 | mg/L | 1 | | 03/19/25 0710 | 03/20/25 1119 | JAR |
| Iron, total | **3.55** | 0.100 | mg/L | 1 | | 03/19/25 0710 | 03/19/25 2349 | JAR |
| Magnesium, total | **369** | 0.10 | mg/L | 1 | | 03/19/25 0710 | 03/19/25 2349 | JAR |
| Potassium, total | **425** | 1.00 | mg/L | 1 | | 03/19/25 0710 | 03/19/25 2349 | JAR |
| Sodium, total | **1110** | 10.0 | mg/L | 10 | | 03/19/25 0710 | 03/20/25 1110 | JAR |
| **245.1** | | | | | | | | |
| Mercury, total | <0.00050 | 0.00050 | mg/L | 1 | | 03/20/25 1533 | 03/21/25 1259 | JAR |
| **EPA 200.7, Rv. 4.4 (1994)** | | | | | | | | |
| Titanium, total | <0.050 | 0.050 | mg/L | 1 | | 03/19/25 0710 | 03/19/25 2349 | JAR |
| **EPA 200.8, Rv. 5.4 (1994)** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Arsenic, total | **0.0700** | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Barium, total | **1.09** | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Beryllium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Chromium, total | **0.0411** | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Cobalt, total | **0.0145** | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Copper, total | **0.0030** | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Lead, total | **0.0010** | 0.0008 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Molybdenum, total | **0.0053** | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Nickel, total | **0.117** | 0.0040 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Silver, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Thallium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Vanadium, total | **0.0423** | 0.0080 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Zinc, total | **0.0226** | 0.0200 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |
| Tin, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/11/25 1525 | 03/13/25 1218 | RVV |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | East Lagoon | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0688-02 | **Collection Date:** | 03/10/2025 17:24 |

| Determination of Volatile Organic Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 5030B/EPA 624.1** | | | | | | | | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Methylene Chloride | <5.0 | 5.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Benzene | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Trichloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| 2-Chloroethylvinyl ether | <10.0 | 10.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Toluene | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Surrogate: Dibromofluoromethane | 98.1 | Limit: 59-123 | % Rec | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 97.9 | Limit: 56-130 | % Rec | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Surrogate: Toluene-d8 | 99.0 | Limit: 85-113 | % Rec | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |
| Surrogate: 4-Bromofluorobenzene | 93.1 | Limit: 82-112 | % Rec | 1 | | 03/21/25 0000 | 03/21/25 2043 | CSM |

| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 625.1** | | | | | | | | |
| n-Decane | <5 | 5 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| n-Octadecane | <5 | 5 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Carbazole | <5 | 5 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Surrogate: Nitrobenzene-d5 | 79.3 | Limit: 17-150 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Surrogate: 2-Fluorobiphenyl | 88.8 | Limit: 15-134 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Surrogate: Terphenyl-dl4 | 88.5 | Limit: 12-157 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | East Lagoon | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0688-02 | **Collection Date:** | 03/10/2025 17:24 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 625.1** | | | | | | | | |
| Bis(2-Chloroethyl) Ether | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 2-Chlorophenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 1,3-Dichlorobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 1,4-Dichlorobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Benzyl Alcohol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 1,2-Dichlorobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Bis[2-Chloroisopropyl]ether | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| n-Nitroso-di-n-propylamine | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Hexachloroethane | <10 | 10 | ug/L | 1 | Q3 | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Nitrobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Isophorone | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 2-Nitrophenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 2,4-Dimethylphenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Bis (2-Chloroethoxy) Methane | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Benzoic acid | <50 | 50 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 2,4-Dichlorophenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 1,2,4-Trichlorobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Naphthalene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Hexachlorobutadiene | <20 | 20 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 4-Chloro-3-methylphenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Hexachlorocyclopentadiene | <20 | 20 | ug/L | 1 | Q8 | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 2,4,6-Trichlorophenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 2,4,5-Trichlorophenol | <50 | 50 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 2-Chloronaphthalene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Dimethylphthalate | <15 | 15 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Acenaphthylene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 2,6-Dinitrotoluene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Acenaphthene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 2,4-Dinitrophenol | <20 | 20 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Dibenzofuran | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 2,4-Dinitrotoluene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 4-Nitrophenol | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Diethyl Phthalate | <30 | 30 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Fluorene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 4-Chlorophenyl Phenyl Ether | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 4,6-Dinitro-2-methylphenol | <20 | 20 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| N-Nitrosodiphenylamine | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 4-Bromophenyl Phenyl Ether | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Hexachlorobenzene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Pentachlorophenol | <20 | 20 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Phenanthrene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Anthracene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | East Lagoon | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0688-02 | **Collection Date:** | 03/10/2025 17:24 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Di-n-butyl Phthalate | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Fluoranthene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Pyrene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Butyl Benzyl Phthalate | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Benzo(a)anthracene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Chrysene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Bis(2-Ethylhexyl) Phthalate | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Di-n-octyl Phthalate | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Indeno(1,2,3-cd)Pyrene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| 3,3´-Dichlorobenzidine | <20 | 20 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Benzo(b)Fluoranthene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Benzo(k)Fluoranthene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Benzo(a)Pyrene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Dibenzo(a,h)anthracene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Benzo(g,h,i)perylene | <10 | 10 | ug/L | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Surrogate: 2-Fluorophenol | 78.2 | Limit: 16-140 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Surrogate: Phenol-d6 | 80.4 | Limit: 13-147 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Surrogate: Nitrobenzene-d5 | 79.3 | Limit: 17-150 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Surrogate: 2-Fluorobiphenyl | 88.8 | Limit: 15-134 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 96.5 | Limit: 20-158 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |
| Surrogate: Terphenyl-dl4 | 88.5 | Limit: 12-157 | % Rec | 1 | | 03/13/25 0835 | 03/18/25 2152 | EPP |

| Determination of Organochlorine Insecticides & PCBs | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA 3520C/EPA 608.3 GC-ECD** | | | | | | | | |
| Gamma-BHC [Lindane] | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Beta-BHC | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Heptachlor | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Delta-BHC | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Aldrin | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Heptachlor Epoxide | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Endosulfan I | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| 4,4`-DDE | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Dieldrin | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Endrin | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| 4,4`-DDD | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Endosulfan II | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| 4,4`-DDT | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Endrin Aldehyde | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Endosulfan Sulfate | <0.05 | 0.05 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Chlordane | <0.10 | 0.10 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Toxaphene | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Arochlor 1016 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Arochlor 1221 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |

| | | | |
|---|---|---|---|
| **Client Sample ID:** | East Lagoon | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0688-02 | **Collection Date:** | 03/10/2025 17:24 |

| Determination of Organochlorine Insecticides & PCBs | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Arochlor 1232 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Arochlor 1242 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Arochlor 1248 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Arochlor 1254 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Arochlor 1260 | <0.20 | 0.20 | ug/L | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Surrogate: Decachlorobiphenyl | 29.6 | Limit: 12-130 | % Rec | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |
| Surrogate: Tetrachloro-m-xylene | 63.8 | Limit: 31-116 | % Rec | 1 | | 03/13/25 1033 | 03/20/25 1240 | EPP |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **4500CN-E** | | | | | | | | |
| Cyanide, total | <0.010 | 0.010 | mg/L | 1 | | 03/13/25 1401 | 03/14/25 1502 | AKK |
| **5310B** | | | | | | | | |
| Total Organic Carbon | **23.9** | 2.50 | mg/L | 5 | | 03/28/25 0000 | 03/28/25 1508 | CSM |
| **EPA 150.1** | | | | | | | | |
| pH | **7.8** | 0.5 | pH | 1 | **H4** | 03/14/25 0831 | 03/18/25 0806 | BSS |
| **EPA 1664A** | | | | | | | | |
| Oil and Grease | <4 | 4 | mg/L | 1 | | 03/17/25 0911 | 03/18/25 0735 | RDH |
| **EPA 410.4, Rv. 2 (1993)** | | | | | | | | |
| COD, total | **89** | 54 | mg/L | 1 | | 03/17/25 0809 | 03/18/25 0845 | CES |
| **SM 2320 B-2011** | | | | | | | | |
| Alkalinity, as CaCO3 | **1620** | 50 | mg/L | 1 | | | 03/13/25 1420 | BSS |
| **SM 5210 B-2016** | | | | | | | | |
| BOD (5 day) | **12** | 6 | mg/L | 3 | | 03/12/25 0913 | 03/12/25 1019 | MND |
| **TIMBERLINE** | | | | | | | | |
| Nitrogen, Ammonia | **11.7** | 0.10 | mg/L | 1 | | 03/14/25 0916 | 03/14/25 1146 | SDF |
| **USGS I-1750-85** | | | | | | | | |
| Total Dissolved Solids (TDS) | **883** | 5 | mg/L | 13 | | 03/12/25 0852 | 03/13/25 1216 | MSP |
| **USGS I-3765-85** | | | | | | | | |
| Total Suspended Solids (TSS) | **13** | 10 | mg/L | 10 | | 03/17/25 0720 | 03/17/25 0945 | LAW |

| Determination of Inorganic Anions | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **300.0** | | | | | | | | |
| Chloride | **55.8** | 1.0 | mg/L | 1 | | 03/11/25 0000 | 03/11/25 2039 | MID |
| Nitrogen, Nitrate | **0.1** | 0.1 | mg/L | 1 | | 03/11/25 0000 | 03/11/25 2039 | MID |
| Sulfate | **366** | 10.0 | mg/L | 10 | | | 03/12/25 1536 | MID |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **200.7** | | | | | | | | |
| Calcium, total | **186** | 0.1 | mg/L | 1 | | 03/19/25 0710 | 03/20/25 1129 | JAR |
| Iron, total | **0.787** | 0.100 | mg/L | 1 | | 03/19/25 0710 | 03/20/25 0012 | JAR |
| Magnesium, total | **45.2** | 0.10 | mg/L | 1 | | 03/19/25 0710 | 03/20/25 0012 | JAR |

# CERTIFICATE OF ANALYSIS

## 1IC0688

| | | | |
|---|---|---|---|
| **Client Sample ID:** | East Lagoon | | |
| **Sample Matrix:** | Aqueous | **Collected By:** | Whipple, Todd |
| **Lab Sample ID:** | 1IC0688-02 | **Collection Date:** | 03/10/2025 17:24 |

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| Potassium, total | **10.1** | 1.00 | mg/L | 1 | | 03/19/25 0710 | 03/20/25 1129 | JAR |
| Sodium, total | **35.5** | 1.00 | mg/L | 1 | | 03/19/25 0710 | 03/20/25 0012 | JAR |
| **245.1** | | | | | | | | |
| Mercury, total | <0.00050 | 0.00050 | mg/L | 1 | | 03/20/25 1533 | 03/21/25 1315 | JAR |
| **EPA 200.7, Rv. 4.4 (1994)** | | | | | | | | |
| Titanium, total | <0.050 | 0.050 | mg/L | 1 | | 03/19/25 0710 | 03/20/25 0012 | JAR |
| **EPA 200.8, Rv. 5.4 (1994)** | | | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Arsenic, total | **0.0063** | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Barium, total | **0.116** | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Beryllium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Chromium, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Cobalt, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Copper, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Lead, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Molybdenum, total | **0.0051** | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Nickel, total | **0.0108** | 0.0040 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Selenium, total | <0.0040 | 0.0040 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Silver, total | <0.0020 | 0.0020 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Thallium, total | <0.0008 | 0.0008 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Vanadium, total | <0.0080 | 0.0080 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Zinc, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |
| Tin, total | <0.0200 | 0.0200 | mg/L | 4 | | 03/11/25 1525 | 03/12/25 2301 | RVV |

**Batch Log Summary**

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 200.8, Rv. 5.4 (1994) | 1IC0479 | 1IC0479-BLK1 | |
| | | 1IC0479-BS1 | |
| | | 1IC0479-MS1 | 1IC0501-02 |
| | | 1IC0479-MSD1 | 1IC0501-02 |
| | | 1IC0688-02 | East Lagoon |
| | | 1IC0479-PS1 | 1IC0501-02 |
| | | 1IC0688-01 | West Lagoon |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| USGS I-1750-85 | 1IC0509 | 1IC0688-02 | East Lagoon |
| | | 1IC0509-DUP1 | 1IC0485-02 |
| | | 1IC0509-BLK1 | |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC0509-BS1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| SM 5210 B-2016 | 1IC0511 | 1IC0511-BLK1 | |
| | | 1IC0511-SRM1 | |
| | | 1IC0688-02 | East Lagoon |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC0511-DUP1 | 1IC0689-01 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 625.1 | 1IC0536 | 1IC0536-BLK1 | |
| | | 1IC0536-BLK1 | |
| | | 1IC0536-BS1 | |
| | | 1IC0536-BS1 | |
| | | 1IC0536-SRM1 | |
| | | 1IC0536-SRM1 | |
| | | 1IC0688-02 | East Lagoon |
| | | 1IC0688-02 | East Lagoon |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC0688-01 | West Lagoon |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| 300.0 | 1IC0565 | 1IC0565-BLK1 | |
| | | 1IC0565-MRL1 | |
| | | 1IC0565-BS1 | |
| | | 1IC0565-BSD1 | |
| | | 1IC0565-MS1 | 1IC0315-01 |
| | | 1IC0565-MSD1 | 1IC0315-01 |

| | | | |
|---|---|---|---|
| 300.0 | 1IC0565 | 1IC0688-01 | West Lagoon |
| | | 1IC0688-02 | East Lagoon |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 608.3 GC-ECD | 1IC0617 | 1IC0617-BLK1 | |
| | | 1IC0617-BS1 | |
| | | 1IC0617-BSD1 | |
| | | 1IC0617-SRM1 | |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC0688-02 | East Lagoon |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| 300.0 | 1IC0628 | 1IC0628-BS1 | |
| | | 1IC0628-BSD1 | |
| | | 1IC0628-BLK1 | |
| | | 1IC0628-MRL1 | |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC0688-02 | East Lagoon |
| | | 1IC0628-MS1 | 1IC0336-02 |
| | | 1IC0628-MSD1 | 1IC0336-02 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| 4500CN-E | 1IC0642 | 1IC0642-BS1 | |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC0642-MS1 | 1IC0688-01 |
| | | 1IC0688-02 | East Lagoon |
| | | 1IC0642-BLK1 | |
| | | 1IC0642-MSD1 | 1IC0688-01 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| SM 2320 B-2011 | 1IC0646 | 1IC0688-01 | West Lagoon |
| | | 1IC0646-BLK1 | |
| | | 1IC0646-MSD1 | 1IC0515-02 |
| | | 1IC0646-MS1 | 1IC0515-02 |
| | | 1IC0646-BS1 | |
| | | 1IC0688-02 | East Lagoon |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 150.1 | 1IC0696 | 1IC0696-DUP1 | 1IC0688-01 |
| | | 1IC0688-02 | East Lagoon |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC0696-SRM3 | |
| | | 1IC0696-SRM1 | |
| | | 1IC0696-DUP2 | 1IC0633-02 |

| | | | |
|---|---|---|---|
| EPA 150.1 | 1IC0696 | 1IC0696-SRM2 | |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| TIMBERLINE | 1IC0703 | 1IC0703-BLK1 | |
| | | 1IC0703-BS1 | |
| | | 1IC0703-MS1 | 2IC0101-02 |
| | | 1IC0703-MSD1 | 2IC0101-02 |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC0688-02 | East Lagoon |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| USGS I-3765-85 | 1IC0742 | 1IC0742-BLK1 | |
| | | 1IC0742-BS1 | |
| | | 1IC0688-02 | East Lagoon |
| | | 1IC0742-DUP1 | 1IC0638-01 |
| | | 1IC0688-01 | West Lagoon |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| EPA 410.4, Rv. 2 (1993) | 1IC0751 | 1IC0688-01 | West Lagoon |
| | | 1IC0751-MSD1 | 1IC0915-01 |
| | | 1IC0751-MS1 | 1IC0915-01 |
| | | 1IC0751-BS1 | |
| | | 1IC0688-02 | East Lagoon |
| | | 1IC0751-BLK1 | |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| EPA 1664A | 1IC0759 | 1IC0759-BLK1 | |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC0759-BSD1 | |
| | | 1IC0759-BS1 | |
| | | 1IC0688-02 | East Lagoon |
| **Method** | **Batch** | **Laboratory ID** | **Client / Source ID** |
| 200.7 | 1IC0910 | 1IC0910-BLK1 | |
| EPA 200.7, Rv. 4.4 (1994) | | 1IC0910-BLK1 | |
| 200.7 | | 1IC0910-BLK1 | |
| | | 1IC0910-BS1 | |
| EPA 200.7, Rv. 4.4 (1994) | | 1IC0910-BS1 | |
| 200.7 | | 1IC0910-BS1 | |
| | | 1IC0910-MS1 | 1IC0655-01 |
| EPA 200.7, Rv. 4.4 (1994) | | 1IC0910-MS1 | 1IC0655-01 |
| 200.7 | | 1IC0910-MS1 | 1IC0655-01 |
| | | 1IC0910-MSD1 | 1IC0655-01 |
| EPA 200.7, Rv. 4.4 (1994) | | 1IC0910-MSD1 | 1IC0655-01 |

| | | | |
|---|---|---|---|
| 200.7 | 1IC0910 | 1IC0910-MSD1 | 1IC0655-01 |
| EPA 200.7, Rv. 4.4 (1994) | | 1IC0910-PS1 | 1IC0655-01 |
| 200.7 | | 1IC0910-PS1 | 1IC0655-01 |
| | | 1IC0910-PS1 | 1IC0655-01 |
| | | 1IC0688-01 | West Lagoon |
| EPA 200.7, Rv. 4.4 (1994) | | 1IC0688-01 | West Lagoon |
| 200.7 | | 1IC0688-01 | West Lagoon |
| EPA 200.7, Rv. 4.4 (1994) | | 1IC0688-02 | East Lagoon |
| 200.7 | | 1IC0688-02 | East Lagoon |
| | | 1IC0688-02 | East Lagoon |
| | | 1IC0688-01RE1 | West Lagoon |
| | | 1IC0688-01RE1 | West Lagoon |
| | | 1IC0688-02RE1 | East Lagoon |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| 245.1 | 1IC1059 | 1IC1059-BLK1 | |
| | | 1IC1059-BS1 | |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC1059-MS1 | 1IC0688-01 |
| | | 1IC1059-MSD1 | 1IC0688-01 |
| | | 1IC0688-02 | East Lagoon |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| EPA 624.1 | 1IC1150 | 1IC1150-BS1 | |
| | | 1IC1150-BSD1 | |
| | | 1IC1150-BLK1 | |
| | | 1IC0688-02 | East Lagoon |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC1150-MS1 | 1IC1317-07 |
| | | 1IC1150-MSD1 | 1IC1317-07 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| 5310B | 1IC1376 | 1IC1376-BSD1 | |
| | | 1IC1376-BLK1 | |
| | | 1IC1376-BS1 | |
| | | 1IC0688-01 | West Lagoon |
| | | 1IC1376-MS1 | 1IC0692-01 |
| | | 1IC1376-MSD1 | 1IC0692-01 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---|---|---|---|
| 5310B | 1IC1490 | 1IC1490-BSD1 | |
| | | 1IC1490-BLK1 | |
| | | 1IC1490-BS1 | |
| | | 1IC0688-02RE1 | East Lagoon |

| | | | |
|---|---|---|---|
| 5310B | 1IC1490 | 1IC1490-MS1 | 1IC1692-04 |
| | | 1IC1490-MSD1 | 1IC1692-04 |

**Batch Quality Control Summary: Microbac Laboratories, Inc., Newton**

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1150 - EPA 5030B - EPA 624.1** | | | | | | | | | | |
| **Blank (1IC1150-BLK1)** | | | Prepared: 03/21/25 00:00 Analyzed: 03/21/25 12:36 | | | | | | | |
| 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 | | | | | | | |
| 1,1-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Methylene Chloride | <5.0 | 5.0 | ug/L | | | | | | | |
| trans-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| cis-1,2-Dichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Trichloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| 2-Chloroethylvinyl ether | <10.0 | 10.0 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| Toluene | <1.0 | 1.0 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Tetrachloroethylene | <1.0 | 1.0 | ug/L | | | | | | | |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | | | | | | | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Bromoform | <1.0 | 1.0 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *38.8* | | ug/L | *50.2* | | *77.4* | *59-123* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *36.7* | | ug/L | *50.1* | | *73.3* | *56-130* | | | |
| *Surrogate: Toluene-d8* | *52.5* | | ug/L | *50.4* | | *104* | *85-113* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *50.3* | | ug/L | *50.1* | | *100* | *82-112* | | | |
| **LCS (1IC1150-BS1)** | | | Prepared: 03/21/25 00:00 Analyzed: 03/21/25 11:29 | | | | | | | |
| Chloromethane | 24.89 | 1.0 | ug/L | 30.3 | | 82.1 | 5-205 | | | |
| Vinyl Chloride | 26.38 | 1.0 | ug/L | 30.2 | | 87.2 | 5-195 | | | |
| Bromomethane | 24.82 | 1.0 | ug/L | 30.1 | | 82.4 | 15-185 | | | |
| Chloroethane | 26.04 | 1.0 | ug/L | 30.3 | | 85.9 | 40-160 | | | |
| 1,1-Dichloroethylene | 51.72 | 1.0 | ug/L | 50.1 | | 103 | 50-150 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1150 - EPA 5030B - EPA 624.1** | | | | | | | | | | |
| **LCS (1IC1150-BS1)** | | | | Prepared: 03/21/25 00:00 Analyzed: 03/21/25 11:29 | | | | | | |
| Methylene Chloride | 40.81 | 5.0 | ug/L | 50.1 | | 81.4 | 60-140 | | | |
| trans-1,2-Dichloroethylene | 52.67 | 1.0 | ug/L | 50.1 | | 105 | 70-130 | | | |
| 1,1-Dichloroethane | 51.60 | 1.0 | ug/L | 50.1 | | 103 | 70-130 | | | |
| cis-1,2-Dichloroethylene | 52.83 | 1.0 | ug/L | 50.4 | | 105 | 57-148 | | | |
| 2-Butanone (MEK) | 106.3 | 10.0 | ug/L | 100 | | 106 | 44-134 | | | |
| Chloroform | 51.53 | 1.0 | ug/L | 50.1 | | 103 | 70-135 | | | |
| 1,1,1-Trichloroethane | 51.16 | 1.0 | ug/L | 50.1 | | 102 | 70-130 | | | |
| Carbon Tetrachloride | 49.60 | 1.0 | ug/L | 50.1 | | 99.0 | 70-130 | | | |
| Benzene | 45.41 | 1.0 | ug/L | 50.4 | | 90.0 | 65-135 | | | |
| 1,2-Dichloroethane | 51.21 | 1.0 | ug/L | 50.1 | | 102 | 70-130 | | | |
| Trichloroethylene | 48.42 | 1.0 | ug/L | 50.1 | | 96.7 | 65-135 | | | |
| 1,2-Dichloropropane | 48.01 | 1.0 | ug/L | 50.1 | | 95.8 | 35-165 | | | |
| Dibromomethane | 51.08 | 1.0 | ug/L | 50.4 | | 101 | 71-139 | | | |
| Bromodichloromethane | 50.69 | 1.0 | ug/L | 50.1 | | 101 | 65-135 | | | |
| 2-Chloroethylvinyl ether | 96.90 | 10.0 | ug/L | 100 | | 96.9 | 5-225 | | | |
| cis-1,3-Dichloropropene | 49.16 | 1.0 | ug/L | 50.1 | | 98.2 | 25-175 | | | |
| Toluene | 47.65 | 1.0 | ug/L | 50.5 | | 94.4 | 70-130 | | | |
| trans-1,3-Dichloropropene | 45.20 | 1.0 | ug/L | 50.1 | | 90.3 | 50-150 | | | |
| 1,1,2-Trichloroethane | 44.69 | 1.0 | ug/L | 50.1 | | 89.2 | 70-130 | | | |
| Tetrachloroethylene | 47.98 | 1.0 | ug/L | 50.1 | | 95.8 | 70-130 | | | |
| Dibromochloromethane | 50.53 | 1.0 | ug/L | 50.1 | | 101 | 70-135 | | | |
| Chlorobenzene | 45.65 | 1.0 | ug/L | 50.1 | | 91.1 | 65-135 | | | |
| Ethylbenzene | 50.24 | 1.0 | ug/L | 50.2 | | 100 | 60-140 | | | |
| Xylenes, total | 150.3 | 2.0 | ug/L | 151 | | 99.5 | 79-126 | | | |
| Bromoform | 45.95 | 1.0 | ug/L | 50.1 | | 91.7 | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 47.00 | 1.0 | ug/L | 50.1 | | 93.8 | 60-140 | | | |
| 1,3-Dichlorobenzene | 48.76 | 1.0 | ug/L | 50.1 | | 97.4 | 70-130 | | | |
| 1,4-Dichlorobenzene | 45.35 | 1.0 | ug/L | 50.1 | | 90.5 | 65-135 | | | |
| 1,2-Dichlorobenzene | 45.40 | 1.0 | ug/L | 50.1 | | 90.6 | 65-135 | | | |
| *Surrogate: Dibromofluoromethane* | *51.6* | | ug/L | *50.2* | | *103* | *59-123* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *53.5* | | ug/L | *50.1* | | *107* | *56-130* | | | |
| *Surrogate: Toluene-d8* | *47.7* | | ug/L | *50.4* | | *94.7* | *85-113* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.3* | | ug/L | *50.1* | | *96.3* | *82-112* | | | |
| **LCS Dup (1IC1150-BSD1)** | | | | Prepared: 03/21/25 00:00 Analyzed: 03/21/25 11:51 | | | | | | |
| Chloromethane | 27.75 | 1.0 | ug/L | 30.3 | | 91.5 | 5-205 | 10.9 | 19 | |
| Vinyl Chloride | 28.59 | 1.0 | ug/L | 30.2 | | 94.5 | 5-195 | 8.04 | 26 | |
| Bromomethane | 27.85 | 1.0 | ug/L | 30.1 | | 92.5 | 15-185 | 11.5 | 20 | |
| Chloroethane | 28.82 | 1.0 | ug/L | 30.3 | | 95.1 | 40-160 | 10.1 | 22 | |
| 1,1-Dichloroethylene | 49.61 | 1.0 | ug/L | 50.1 | | 99.0 | 50-150 | 4.16 | 19 | |
| Methylene Chloride | 44.75 | 5.0 | ug/L | 50.1 | | 89.3 | 60-140 | 9.21 | 17 | |
| trans-1,2-Dichloroethylene | 49.71 | 1.0 | ug/L | 50.1 | | 99.2 | 70-130 | 5.78 | 17 | |
| 1,1-Dichloroethane | 50.06 | 1.0 | ug/L | 50.1 | | 99.9 | 70-130 | 3.03 | 17 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1150 - EPA 5030B - EPA 624.1** | | | | | | | | | | |
| **LCS Dup (1IC1150-BSD1)** | | | | Prepared: 03/21/25 00:00 Analyzed: 03/21/25 11:51 | | | | | | |
| cis-1,2-Dichloroethylene | 50.52 | 1.0 | ug/L | 50.4 | | 100 | 57-148 | 4.47 | 21 | |
| 2-Butanone (MEK) | 99.14 | 10.0 | ug/L | 100 | | 99.1 | 44-134 | 7.00 | 30 | |
| Chloroform | 49.24 | 1.0 | ug/L | 50.1 | | 98.3 | 70-135 | 4.54 | 17 | |
| 1,1,1-Trichloroethane | 50.06 | 1.0 | ug/L | 50.1 | | 99.9 | 70-130 | 2.17 | 30 | |
| Carbon Tetrachloride | 48.30 | 1.0 | ug/L | 50.1 | | 96.4 | 70-130 | 2.66 | 19 | |
| Benzene | 47.08 | 1.0 | ug/L | 50.4 | | 93.3 | 65-135 | 3.61 | 17 | |
| 1,2-Dichloroethane | 53.23 | 1.0 | ug/L | 50.1 | | 106 | 70-130 | 3.87 | 15 | |
| Trichloroethylene | 47.95 | 1.0 | ug/L | 50.1 | | 95.7 | 65-135 | 0.975 | 18 | |
| 1,2-Dichloropropane | 49.61 | 1.0 | ug/L | 50.1 | | 99.0 | 35-165 | 3.28 | 17 | |
| Dibromomethane | 53.51 | 1.0 | ug/L | 50.4 | | 106 | 71-139 | 4.65 | 27 | |
| Bromodichloromethane | 52.55 | 1.0 | ug/L | 50.1 | | 105 | 65-135 | 3.60 | 14 | |
| 2-Chloroethylvinyl ether | 105.8 | 10.0 | ug/L | 100 | | 106 | 5-225 | 8.80 | 26 | |
| cis-1,3-Dichloropropene | 51.95 | 1.0 | ug/L | 50.1 | | 104 | 25-175 | 5.52 | 30 | |
| Toluene | 52.31 | 1.0 | ug/L | 50.5 | | 104 | 70-130 | 9.32 | 17 | |
| trans-1,3-Dichloropropene | 50.97 | 1.0 | ug/L | 50.1 | | 102 | 50-150 | 12.0 | 20 | |
| 1,1,2-Trichloroethane | 49.67 | 1.0 | ug/L | 50.1 | | 99.2 | 70-130 | 10.6 | 18 | |
| Tetrachloroethylene | 47.66 | 1.0 | ug/L | 50.1 | | 95.1 | 70-130 | 0.669 | 16 | |
| Dibromochloromethane | 51.83 | 1.0 | ug/L | 50.1 | | 104 | 70-135 | 2.54 | 13 | |
| Chlorobenzene | 48.99 | 1.0 | ug/L | 50.1 | | 97.8 | 65-135 | 7.06 | 18 | |
| Ethylbenzene | 52.65 | 1.0 | ug/L | 50.2 | | 105 | 60-140 | 4.68 | 17 | |
| Xylenes, total | 159.8 | 2.0 | ug/L | 151 | | 106 | 79-126 | 6.11 | 18 | |
| Bromoform | 53.69 | 1.0 | ug/L | 50.1 | | 107 | 70-130 | 15.5 | 21 | |
| 1,1,2,2-Tetrachloroethane | 47.82 | 1.0 | ug/L | 50.1 | | 95.4 | 60-140 | 1.73 | 30 | |
| 1,3-Dichlorobenzene | 49.71 | 1.0 | ug/L | 50.1 | | 99.3 | 70-130 | 1.93 | 15 | |
| 1,4-Dichlorobenzene | 46.95 | 1.0 | ug/L | 50.1 | | 93.7 | 65-135 | 3.47 | 15 | |
| 1,2-Dichlorobenzene | 49.94 | 1.0 | ug/L | 50.1 | | 99.7 | 65-135 | 9.52 | 15 | |
| *Surrogate: Dibromofluoromethane* | *47.6* | | ug/L | *50.2* | | *94.8* | *59-123* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.7* | | ug/L | *50.1* | | *99.3* | *56-130* | | | |
| *Surrogate: Toluene-d8* | *50.1* | | ug/L | *50.4* | | *99.5* | *85-113* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *51.4* | | ug/L | *50.1* | | *103* | *82-112* | | | |
| **Matrix Spike (1IC1150-MS1)** | **Source: 1IC1317-07** | | | Prepared: 03/21/25 00:00 Analyzed: 03/21/25 22:35 | | | | | | |
| Chloromethane | 301.0 | 10.0 | ug/L | 303 | ND | 99.3 | 5-273 | | | |
| Vinyl Chloride | 310.0 | 10.0 | ug/L | 302 | ND | 102 | 5-251 | | | |
| Bromomethane | 284.7 | 10.0 | ug/L | 301 | ND | 94.5 | 5-242 | | | |
| Chloroethane | 306.3 | 10.0 | ug/L | 303 | ND | 101 | 14-230 | | | |
| 1,1-Dichloroethylene | 545.3 | 10.0 | ug/L | 501 | ND | 109 | 5-235 | | | |
| Methylene Chloride | 468.4 | 50.0 | ug/L | 501 | ND | 93.5 | 5-221 | | | |
| trans-1,2-Dichloroethylene | 544.6 | 10.0 | ug/L | 501 | ND | 109 | 54-156 | | | |
| 1,1-Dichloroethane | 548.5 | 10.0 | ug/L | 501 | ND | 109 | 59-155 | | | |
| cis-1,2-Dichloroethylene | 544.6 | 10.0 | ug/L | 504 | ND | 108 | 42-168 | | | |
| 2-Butanone (MEK) | 1048 | 100 | ug/L | 1000 | ND | 105 | 57-133 | | | |
| Chloroform | 538.8 | 10.0 | ug/L | 501 | ND | 108 | 51-138 | | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1150 - EPA 5030B - EPA 624.1** | | | | | | | | | | |
| **Matrix Spike (1IC1150-MS1)** | **Source: 1IC1317-07** | | Prepared: 03/21/25 00:00 Analyzed: 03/21/25 22:35 | | | | | | | |
| 1,1,1-Trichloroethane | 542.1 | 10.0 | ug/L | 501 | ND | 108 | 52-162 | | | |
| Carbon Tetrachloride | 533.8 | 10.0 | ug/L | 501 | ND | 107 | 70-140 | | | |
| Benzene | 501.9 | 10.0 | ug/L | 504 | ND | 99.5 | 37-151 | | | |
| 1,2-Dichloroethane | 556.3 | 10.0 | ug/L | 501 | ND | 111 | 59-155 | | | |
| Trichloroethylene | 500.7 | 10.0 | ug/L | 501 | ND | 100 | 70-157 | | | |
| 1,2-Dichloropropane | 516.9 | 10.0 | ug/L | 501 | ND | 103 | 5-210 | | | |
| Dibromomethane | 548.1 | 10.0 | ug/L | 504 | ND | 109 | 62-141 | | | |
| Bromodichloromethane | 554.5 | 10.0 | ug/L | 501 | ND | 111 | 35-155 | | | |
| 2-Chloroethylvinyl ether | 1098 | 100 | ug/L | 1000 | ND | 110 | 5-305 | | | |
| cis-1,3-Dichloropropene | 523.7 | 10.0 | ug/L | 501 | ND | 105 | 5-227 | | | |
| Toluene | 536.5 | 10.0 | ug/L | 505 | ND | 106 | 47-150 | | | |
| trans-1,3-Dichloropropene | 513.4 | 10.0 | ug/L | 501 | ND | 103 | 17-183 | | | |
| 1,1,2-Trichloroethane | 506.4 | 10.0 | ug/L | 501 | ND | 101 | 52-150 | | | |
| Tetrachloroethylene | 487.3 | 10.0 | ug/L | 501 | ND | 97.3 | 64-148 | | | |
| Dibromochloromethane | 537.7 | 10.0 | ug/L | 501 | ND | 107 | 53-149 | | | |
| Chlorobenzene | 498.3 | 10.0 | ug/L | 501 | ND | 99.5 | 37-160 | | | |
| Ethylbenzene | 524.4 | 10.0 | ug/L | 502 | ND | 105 | 79-119 | | | |
| Xylenes, total | 1593 | 20.0 | ug/L | 1510 | ND | 105 | 80-120 | | | |
| Bromoform | 556.1 | 10.0 | ug/L | 501 | ND | 111 | 45-169 | | | |
| 1,1,2,2-Tetrachloroethane | 507.5 | 10.0 | ug/L | 501 | ND | 101 | 46-157 | | | |
| 1,3-Dichlorobenzene | 501.1 | 10.0 | ug/L | 501 | ND | 100 | 59-156 | | | |
| 1,4-Dichlorobenzene | 481.8 | 10.0 | ug/L | 501 | ND | 96.1 | 18-190 | | | |
| 1,2-Dichlorobenzene | 512.5 | 10.0 | ug/L | 501 | ND | 102 | 18-190 | | | |
| *Surrogate: Dibromofluoromethane* | *522* | | ug/L | *502* | | *104* | *59-123* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *540* | | ug/L | *501* | | *108* | *56-130* | | | |
| *Surrogate: Toluene-d8* | *500* | | ug/L | *504* | | *99.2* | *85-113* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *513* | | ug/L | *501* | | *102* | *82-112* | | | |
| **Matrix Spike Dup (1IC1150-MSD1)** | **Source: 1IC1317-07** | | Prepared: 03/21/25 00:00 Analyzed: 03/21/25 22:57 | | | | | | | |
| Chloromethane | 294.1 | 10.0 | ug/L | 303 | ND | 97.0 | 5-273 | 2.32 | 60 | |
| Vinyl Chloride | 299.4 | 10.0 | ug/L | 302 | ND | 99.0 | 5-251 | 3.48 | 66 | |
| Bromomethane | 287.2 | 10.0 | ug/L | 301 | ND | 95.3 | 5-242 | 0.874 | 61 | |
| Chloroethane | 289.6 | 10.0 | ug/L | 303 | ND | 95.5 | 14-230 | 5.60 | 78 | |
| 1,1-Dichloroethylene | 535.6 | 10.0 | ug/L | 501 | ND | 107 | 5-235 | 1.79 | 32 | |
| Methylene Chloride | 473.7 | 50.0 | ug/L | 501 | ND | 94.5 | 5-221 | 1.13 | 60 | |
| trans-1,2-Dichloroethylene | 529.6 | 10.0 | ug/L | 501 | ND | 106 | 54-156 | 2.79 | 45 | |
| 1,1-Dichloroethane | 537.6 | 10.0 | ug/L | 501 | ND | 107 | 59-155 | 2.01 | 40 | |
| cis-1,2-Dichloroethylene | 538.3 | 10.0 | ug/L | 504 | ND | 107 | 42-168 | 1.16 | 28 | |
| 2-Butanone (MEK) | 1094 | 100 | ug/L | 1000 | ND | 109 | 57-133 | 4.21 | 30 | |
| Chloroform | 537.6 | 10.0 | ug/L | 501 | ND | 107 | 51-138 | 0.223 | 54 | |
| 1,1,1-Trichloroethane | 528.3 | 10.0 | ug/L | 501 | ND | 105 | 52-162 | 2.58 | 36 | |
| Carbon Tetrachloride | 521.0 | 10.0 | ug/L | 501 | ND | 104 | 70-140 | 2.43 | 41 | |
| Benzene | 504.1 | 10.0 | ug/L | 504 | ND | 100 | 37-151 | 0.437 | 61 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1150 - EPA 5030B - EPA 624.1** | | | | | | | | | | |
| **Matrix Spike Dup (1IC1150-MSD1)** | **Source: 1IC1317-07** | | Prepared: 03/21/25 00:00 Analyzed: 03/21/25 22:57 | | | | | | | |
| 1,2-Dichloroethane | 576.9 | 10.0 | ug/L | 501 | ND | 115 | 59-155 | 3.64 | 49 | |
| Trichloroethylene | 508.4 | 10.0 | ug/L | 501 | ND | 101 | 70-157 | 1.53 | 48 | |
| 1,2-Dichloropropane | 545.8 | 10.0 | ug/L | 501 | ND | 109 | 5-210 | 5.44 | 55 | |
| Dibromomethane | 574.2 | 10.0 | ug/L | 504 | ND | 114 | 62-141 | 4.65 | 11 | |
| Bromodichloromethane | 572.5 | 10.0 | ug/L | 501 | ND | 114 | 35-155 | 3.19 | 56 | |
| 2-Chloroethylvinyl ether | 1162 | 100 | ug/L | 1000 | ND | 116 | 5-305 | 5.65 | 71 | |
| cis-1,3-Dichloropropene | 547.3 | 10.0 | ug/L | 501 | ND | 109 | 5-227 | 4.41 | 58 | |
| Toluene | 547.0 | 10.0 | ug/L | 505 | ND | 108 | 47-150 | 1.94 | 41 | |
| trans-1,3-Dichloropropene | 546.2 | 10.0 | ug/L | 501 | ND | 109 | 17-183 | 6.19 | 86 | |
| 1,1,2-Trichloroethane | 545.6 | 10.0 | ug/L | 501 | ND | 109 | 52-150 | 7.45 | 45 | |
| Tetrachloroethylene | 492.9 | 10.0 | ug/L | 501 | ND | 98.4 | 64-148 | 1.14 | 39 | |
| Dibromochloromethane | 567.6 | 10.0 | ug/L | 501 | ND | 113 | 53-149 | 5.41 | 50 | |
| Chlorobenzene | 512.4 | 10.0 | ug/L | 501 | ND | 102 | 37-160 | 2.79 | 53 | |
| Ethylbenzene | 540.4 | 10.0 | ug/L | 502 | ND | 108 | 79-119 | 3.01 | 63 | |
| Xylenes, total | 1632 | 20.0 | ug/L | 1510 | ND | 108 | 80-120 | 2.47 | 12 | |
| Bromoform | 566.2 | 10.0 | ug/L | 501 | ND | 113 | 45-169 | 1.80 | 42 | |
| 1,1,2,2-Tetrachloroethane | 551.2 | 10.0 | ug/L | 501 | ND | 110 | 46-157 | 8.26 | 61 | |
| 1,3-Dichlorobenzene | 542.1 | 10.0 | ug/L | 501 | ND | 108 | 59-156 | 7.86 | 43 | |
| 1,4-Dichlorobenzene | 511.1 | 10.0 | ug/L | 501 | ND | 102 | 18-190 | 5.90 | 57 | |
| 1,2-Dichlorobenzene | 558.7 | 10.0 | ug/L | 501 | ND | 112 | 18-190 | 8.63 | 57 | |
| *Surrogate: Dibromofluoromethane* | *522* | | ug/L | *502* | | *104* | *59-123* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *532* | | ug/L | *501* | | *106* | *56-130* | | | |
| *Surrogate: Toluene-d8* | *502* | | ug/L | *504* | | *99.6* | *85-113* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *514* | | ug/L | *501* | | *102* | *82-112* | | | |

| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0536 - EPA 625 BNA - EPA 625.1** | | | | | | | | | | |
| **Blank (1IC0536-BLK1)** | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 16:31 | | | | | | | |
| n-Decane | <5 | 5 | ug/L | | | | | | | |
| n-Octadecane | <5 | 5 | ug/L | | | | | | | |
| Carbazole | <5 | 5 | ug/L | | | | | | | |
| *Surrogate: Nitrobenzene-d5* | *16.8* | | ug/L | *20.6* | | *81.5* | *17-150* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *17.0* | | ug/L | *19.5* | | *86.9* | *15-134* | | | |
| *Surrogate: Terphenyl-dl4* | *23.4* | | ug/L | *20.6* | | *114* | *12-157* | | | |
| **LCS (1IC0536-BS1)** | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 16:56 | | | | | | | |
| n-Decane | <5 | 5 | ug/L | 10.0 | | 33.4 | 10-104 | | | |
| n-Octadecane | 6.4 | 5 | ug/L | 10.0 | | 63.7 | 25-128 | | | |
| Carbazole | 8.8 | 5 | ug/L | 10.0 | | 88.0 | 45-122 | | | |

| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0536 - EPA 625 BNA - EPA 625.1** | | | | | | | | | | |
| **LCS (1IC0536-BS1)** | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 16:56 | | | | | | | |
| Fluoranthene | <10 | 10 | ug/L | 10.0 | | 89.2 | 52-128 | | | |
| Bis(2-Ethylhexyl) Phthalate | <10 | 10 | ug/L | 10.0 | | 91.3 | 45-148 | | | |
| *Surrogate: Nitrobenzene-d5* | *15.5* | | ug/L | *20.6* | | *75.4* | *17-150* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *15.8* | | ug/L | *19.5* | | *80.9* | *15-134* | | | |
| *Surrogate: Terphenyl-dl4* | *23.2* | | ug/L | *20.6* | | *113* | *12-157* | | | |
| **Reference (1IC0536-SRM1)** | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 17:45 | | | | | | | |
| n-Decane | 7.8 | 5 | ug/L | 10.0 | | 77.5 | 80-120 | | | S |
| n-Octadecane | 7.8 | 5 | ug/L | 10.0 | | 77.6 | 80-120 | | | S |
| Carbazole | 9.1 | 5 | ug/L | 10.0 | | 91.3 | 80-120 | | | |
| Fluoranthene | <10 | 10 | ug/L | 10.0 | | 93.2 | 80-120 | | | |
| Bis(2-Ethylhexyl) Phthalate | <10 | 10 | ug/L | 10.0 | | 88.1 | 80-120 | | | |
| *Surrogate: Nitrobenzene-d5* | *20.3* | | ug/L | *20.6* | | *98.9* | *17-150* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *20.9* | | ug/L | *19.5* | | *107* | *15-134* | | | |
| *Surrogate: Terphenyl-dl4* | *21.4* | | ug/L | *20.6* | | *104* | *12-157* | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0536 - EPA 625 BNA - EPA 625.1** | | | | | | | | | | |
| **Blank (1IC0536-BLK1)** | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 16:31 | | | | | | | |
| Bis(2-Chloroethyl) Ether | <10 | 10 | ug/L | | | | | | | |
| 2-Chlorophenol | <10 | 10 | ug/L | | | | | | | |
| 1,3-Dichlorobenzene | <10 | 10 | ug/L | | | | | | | |
| 1,4-Dichlorobenzene | <10 | 10 | ug/L | | | | | | | |
| Benzyl Alcohol | <10 | 10 | ug/L | | | | | | | |
| 1,2-Dichlorobenzene | <10 | 10 | ug/L | | | | | | | |
| Bis[2-Chloroisopropyl]ether | <10 | 10 | ug/L | | | | | | | |
| n-Nitroso-di-n-propylamine | <10 | 10 | ug/L | | | | | | | |
| Hexachloroethane | <10 | 10 | ug/L | | | | | | | |
| Nitrobenzene | <10 | 10 | ug/L | | | | | | | |
| Isophorone | <10 | 10 | ug/L | | | | | | | |
| 2-Nitrophenol | <10 | 10 | ug/L | | | | | | | |
| 2,4-Dimethylphenol | <10 | 10 | ug/L | | | | | | | |
| Bis (2-Chloroethoxy) Methane | <10 | 10 | ug/L | | | | | | | |
| Benzoic acid | <50 | 50 | ug/L | | | | | | | |
| 2,4-Dichlorophenol | <10 | 10 | ug/L | | | | | | | |
| 1,2,4-Trichlorobenzene | <10 | 10 | ug/L | | | | | | | |
| Naphthalene | <10 | 10 | ug/L | | | | | | | |
| Hexachlorobutadiene | <20 | 20 | ug/L | | | | | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0536 - EPA 625 BNA - EPA 625.1** | | | | | | | | | | |
| **Blank (1IC0536-BLK1)** | | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 16:31 | | | | | | |
| 4-Chloro-3-methylphenol | <10 | 10 | ug/L | | | | | | | |
| Hexachlorocyclopentadiene | <20 | 20 | ug/L | | | | | | | |
| 2,4,6-Trichlorophenol | <10 | 10 | ug/L | | | | | | | |
| 2,4,5-Trichlorophenol | <50 | 50 | ug/L | | | | | | | |
| 2-Chloronaphthalene | <10 | 10 | ug/L | | | | | | | |
| Dimethylphthalate | <15 | 15 | ug/L | | | | | | | |
| Acenaphthylene | <10 | 10 | ug/L | | | | | | | |
| 2,6-Dinitrotoluene | <10 | 10 | ug/L | | | | | | | |
| Acenaphthene | <10 | 10 | ug/L | | | | | | | |
| 2,4-Dinitrophenol | <20 | 20 | ug/L | | | | | | | |
| Dibenzofuran | <10 | 10 | ug/L | | | | | | | |
| 2,4-Dinitrotoluene | <10 | 10 | ug/L | | | | | | | |
| 4-Nitrophenol | <10 | 10 | ug/L | | | | | | | |
| Diethyl Phthalate | <30 | 30 | ug/L | | | | | | | |
| Fluorene | <10 | 10 | ug/L | | | | | | | |
| 4-Chlorophenyl Phenyl Ether | <10 | 10 | ug/L | | | | | | | |
| 4,6-Dinitro-2-methylphenol | <20 | 20 | ug/L | | | | | | | |
| N-Nitrosodiphenylamine | <10 | 10 | ug/L | | | | | | | |
| 4-Bromophenyl Phenyl Ether | <10 | 10 | ug/L | | | | | | | |
| Hexachlorobenzene | <10 | 10 | ug/L | | | | | | | |
| Pentachlorophenol | <20 | 20 | ug/L | | | | | | | |
| Phenanthrene | <10 | 10 | ug/L | | | | | | | |
| Anthracene | <10 | 10 | ug/L | | | | | | | |
| Di-n-butyl Phthalate | <10 | 10 | ug/L | | | | | | | |
| Fluoranthene | <10 | 10 | ug/L | | | | | | | |
| Pyrene | <10 | 10 | ug/L | | | | | | | |
| Butyl Benzyl Phthalate | <10 | 10 | ug/L | | | | | | | |
| Benzo(a)anthracene | <10 | 10 | ug/L | | | | | | | |
| Chrysene | <10 | 10 | ug/L | | | | | | | |
| Bis(2-Ethylhexyl) Phthalate | <10 | 10 | ug/L | | | | | | | |
| Di-n-octyl Phthalate | <10 | 10 | ug/L | | | | | | | |
| Indeno(1,2,3-cd)Pyrene | <10 | 10 | ug/L | | | | | | | |
| 3,3´-Dichlorobenzidine | <20 | 20 | ug/L | | | | | | | |
| Benzo(b)Fluoranthene | <10 | 10 | ug/L | | | | | | | |
| Benzo(k)Fluoranthene | <10 | 10 | ug/L | | | | | | | |
| Benzo(a)Pyrene | <10 | 10 | ug/L | | | | | | | |
| Dibenzo(a,h)anthracene | <10 | 10 | ug/L | | | | | | | |
| Benzo(g,h,i)perylene | <10 | 10 | ug/L | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *16.8* | | ug/L | *20.6* | | *81.6* | *16-140* | | | |
| *Surrogate: Phenol-d6* | *16.9* | | ug/L | *19.6* | | *86.1* | *13-147* | | | |
| *Surrogate: Nitrobenzene-d5* | *16.8* | | ug/L | *20.6* | | *81.5* | *17-150* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *17.0* | | ug/L | *19.5* | | *86.9* | *15-134* | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0536 - EPA 625 BNA - EPA 625.1** | | | | | | | | | | |
| **Blank (1IC0536-BLK1)** | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 16:31 | | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *23.0* | | ug/L | *20.0* | | *115* | *20-158* | | | |
| *Surrogate: Terphenyl-dl4* | *23.4* | | ug/L | *20.6* | | *114* | *12-157* | | | |
| **LCS (1IC0536-BS1)** | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 16:56 | | | | | | | |
| Bis(2-Chloroethyl) Ether | <10 | 10 | ug/L | 10.0 | | 62.8 | 43-126 | | | |
| 2-Chlorophenol | <10 | 10 | ug/L | 10.0 | | 70.5 | 36-120 | | | |
| 1,3-Dichlorobenzene | <10 | 10 | ug/L | 10.0 | | 60.0 | 18-95 | | | |
| 1,4-Dichlorobenzene | <10 | 10 | ug/L | 10.0 | | 60.8 | 18-99 | | | |
| Benzyl Alcohol | <10 | 10 | ug/L | 10.0 | | 61.7 | 10-125 | | | |
| 1,2-Dichlorobenzene | <10 | 10 | ug/L | 10.0 | | 62.9 | 20-100 | | | |
| Bis[2-Chloroisopropyl]ether | <10 | 10 | ug/L | 10.0 | | 66.0 | 63-139 | | | |
| n-Nitroso-di-n-propylamine | <10 | 10 | ug/L | 10.0 | | 61.5 | 14-198 | | | |
| Hexachloroethane | <10 | 10 | ug/L | 10.0 | | 54.4 | 55-120 | | | Q3 |
| Nitrobenzene | <10 | 10 | ug/L | 10.0 | | 68.5 | 54-158 | | | |
| Isophorone | <10 | 10 | ug/L | 10.0 | | 67.3 | 47-180 | | | |
| 2-Nitrophenol | <10 | 10 | ug/L | 10.0 | | 72.4 | 45-167 | | | |
| 2,4-Dimethylphenol | <10 | 10 | ug/L | 10.0 | | 72.7 | 42-120 | | | |
| Bis (2-Chloroethoxy) Methane | <10 | 10 | ug/L | 10.0 | | 67.3 | 49-165 | | | |
| 2,4-Dichlorophenol | <10 | 10 | ug/L | 10.0 | | 76.6 | 53-122 | | | |
| 1,2,4-Trichlorobenzene | <10 | 10 | ug/L | 10.0 | | 67.2 | 57-130 | | | |
| Naphthalene | <10 | 10 | ug/L | 10.0 | | 65.3 | 36-120 | | | |
| Hexachlorobutadiene | <20 | 20 | ug/L | 10.0 | | 52.8 | 38-120 | | | |
| 4-Chloro-3-methylphenol | <10 | 10 | ug/L | 10.0 | | 80.8 | 41-128 | | | |
| Hexachlorocyclopentadiene | <20 | 20 | ug/L | 10.0 | | 30.6 | 10-107 | | | |
| 2,4,6-Trichlorophenol | <10 | 10 | ug/L | 10.0 | | 81.9 | 52-129 | | | |
| 2,4,5-Trichlorophenol | <50 | 50 | ug/L | 10.0 | | 87.9 | 50-121 | | | |
| 2-Chloronaphthalene | <10 | 10 | ug/L | 10.0 | | 65.8 | 65-120 | | | |
| Dimethylphthalate | <15 | 15 | ug/L | 10.0 | | 82.1 | 1-120 | | | |
| Acenaphthylene | <10 | 10 | ug/L | 10.0 | | 72.8 | 54-126 | | | |
| 2,6-Dinitrotoluene | <10 | 10 | ug/L | 10.0 | | 84.6 | 68-137 | | | |
| Acenaphthene | <10 | 10 | ug/L | 10.0 | | 71.9 | 60-132 | | | |
| 2,4-Dinitrophenol | <20 | 20 | ug/L | 10.0 | | 74.5 | 1-172 | | | |
| Dibenzofuran | <10 | 10 | ug/L | 10.0 | | 74.8 | 49-108 | | | |
| 2,4-Dinitrotoluene | <10 | 10 | ug/L | 10.0 | | 87.7 | 48-127 | | | |
| 4-Nitrophenol | <10 | 10 | ug/L | 10.0 | | 76.7 | 13-129 | | | |
| Diethyl Phthalate | <30 | 30 | ug/L | 10.0 | | 86.8 | 1-120 | | | |
| Fluorene | <10 | 10 | ug/L | 10.0 | | 76.6 | 70-120 | | | |
| 4-Chlorophenyl Phenyl Ether | <10 | 10 | ug/L | 10.0 | | 76.9 | 38-145 | | | |
| 4,6-Dinitro-2-methylphenol | <20 | 20 | ug/L | 10.0 | | 89.5 | 53-130 | | | |
| N-Nitrosodiphenylamine | <10 | 10 | ug/L | 10.0 | | 83.8 | 29-136 | | | |
| 4-Bromophenyl Phenyl Ether | <10 | 10 | ug/L | 10.0 | | 82.1 | 44-127 | | | |
| Hexachlorobenzene | <10 | 10 | ug/L | 10.0 | | 79.6 | 8-142 | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0536 - EPA 625 BNA - EPA 625.1** | | | | | | | | | | |
| **LCS (1IC0536-BS1)** | | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 16:56 | | | | | | |
| Pentachlorophenol | <20 | 20 | ug/L | 10.0 | | 76.6 | 38-152 | | | |
| Phenanthrene | <10 | 10 | ug/L | 10.0 | | 84.2 | 65-120 | | | |
| Anthracene | <10 | 10 | ug/L | 10.0 | | 83.8 | 43-120 | | | |
| Di-n-butyl Phthalate | <10 | 10 | ug/L | 10.0 | | 91.3 | 8-120 | | | |
| Fluoranthene | <10 | 10 | ug/L | 10.0 | | 89.2 | 42-121 | | | |
| Pyrene | <10 | 10 | ug/L | 10.0 | | 92.8 | 70-120 | | | |
| Butyl Benzyl Phthalate | <10 | 10 | ug/L | 10.0 | | 88.7 | 1-140 | | | |
| Benzo(a)anthracene | <10 | 10 | ug/L | 10.0 | | 88.4 | 42-133 | | | |
| Chrysene | <10 | 10 | ug/L | 10.0 | | 89.3 | 44-140 | | | |
| Bis(2-Ethylhexyl) Phthalate | <10 | 10 | ug/L | 10.0 | | 91.3 | 29-137 | | | |
| Di-n-octyl Phthalate | <10 | 10 | ug/L | 10.0 | | 88.5 | 19-132 | | | |
| Indeno(1,2,3-cd)Pyrene | <10 | 10 | ug/L | 10.0 | | 90.6 | 1-151 | | | |
| Benzo(b)Fluoranthene | <10 | 10 | ug/L | 10.0 | | 84.0 | 42-140 | | | |
| Benzo(k)Fluoranthene | <10 | 10 | ug/L | 10.0 | | 91.4 | 27-168 | | | |
| Benzo(a)Pyrene | <10 | 10 | ug/L | 10.0 | | 90.4 | 32-148 | | | |
| Dibenzo(a,h)anthracene | <10 | 10 | ug/L | 10.0 | | 90.8 | 1-200 | | | |
| Benzo(g,h,i)perylene | <10 | 10 | ug/L | 10.0 | | 90.3 | 1-195 | | | |
| *Surrogate: 2-Fluorophenol* | *14.9* | | ug/L | *20.6* | | *72.2* | *16-140* | | | |
| *Surrogate: Phenol-d6* | *14.0* | | ug/L | *19.6* | | *71.3* | *13-147* | | | |
| *Surrogate: Nitrobenzene-d5* | *15.5* | | ug/L | *20.6* | | *75.4* | *17-150* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *15.8* | | ug/L | *19.5* | | *80.9* | *15-134* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *21.9* | | ug/L | *20.0* | | *109* | *20-158* | | | |
| *Surrogate: Terphenyl-dl4* | *23.2* | | ug/L | *20.6* | | *113* | *12-157* | | | |
| **Reference (1IC0536-SRM1)** | | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 17:45 | | | | | | |
| Bis(2-Chloroethyl) Ether | <10 | 10 | ug/L | 10.0 | | 86.0 | 80-120 | | | |
| 2-Chlorophenol | <10 | 10 | ug/L | 10.0 | | 90.3 | 80-120 | | | |
| 1,3-Dichlorobenzene | <10 | 10 | ug/L | 10.0 | | 91.7 | 80-120 | | | |
| 1,4-Dichlorobenzene | <10 | 10 | ug/L | 10.0 | | 91.6 | 80-120 | | | |
| Benzyl Alcohol | <10 | 10 | ug/L | 10.0 | | 78.5 | 80-120 | | | S |
| 1,2-Dichlorobenzene | <10 | 10 | ug/L | 10.0 | | 92.2 | 80-120 | | | |
| Bis[2-Chloroisopropyl]ether | <10 | 10 | ug/L | 10.0 | | 88.7 | 80-120 | | | |
| n-Nitroso-di-n-propylamine | <10 | 10 | ug/L | 10.0 | | 81.3 | 80-120 | | | |
| Hexachloroethane | <10 | 10 | ug/L | 10.0 | | 88.4 | 80-120 | | | |
| Nitrobenzene | <10 | 10 | ug/L | 10.0 | | 89.4 | 80-120 | | | |
| Isophorone | <10 | 10 | ug/L | 10.0 | | 88.3 | 80-120 | | | |
| 2-Nitrophenol | <10 | 10 | ug/L | 10.0 | | 96.4 | 80-120 | | | |
| 2,4-Dimethylphenol | <10 | 10 | ug/L | 10.0 | | 91.4 | 80-120 | | | |
| Bis (2-Chloroethoxy) Methane | <10 | 10 | ug/L | 10.0 | | 88.9 | 80-120 | | | |
| 2,4-Dichlorophenol | <10 | 10 | ug/L | 10.0 | | 97.1 | 80-120 | | | |
| 1,2,4-Trichlorobenzene | 10.0 | 10 | ug/L | 10.0 | | 99.6 | 80-120 | | | |
| Naphthalene | <10 | 10 | ug/L | 10.0 | | 91.0 | 80-120 | | | |
| Hexachlorobutadiene | <20 | 20 | ug/L | 10.0 | | 103 | 80-120 | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0536 - EPA 625 BNA - EPA 625.1** | | | | | | | | | | |
| **Reference (1IC0536-SRM1)** | | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 17:45 | | | | | | |
| 4-Chloro-3-methylphenol | <10 | 10 | ug/L | 10.0 | | 88.7 | 80-120 | | | |
| Hexachlorocyclopentadiene | <20 | 20 | ug/L | 10.0 | | 50.5 | 80-120 | | | S |
| 2,4,6-Trichlorophenol | <10 | 10 | ug/L | 10.0 | | 96.6 | 80-120 | | | |
| 2,4,5-Trichlorophenol | <50 | 50 | ug/L | 10.0 | | 96.8 | 80-120 | | | |
| 2-Chloronaphthalene | <10 | 10 | ug/L | 10.0 | | 88.6 | 80-120 | | | |
| Dimethylphthalate | <15 | 15 | ug/L | 10.0 | | 92.1 | 80-120 | | | |
| Acenaphthylene | <10 | 10 | ug/L | 10.0 | | 91.1 | 80-120 | | | |
| 2,6-Dinitrotoluene | <10 | 10 | ug/L | 10.0 | | 95.2 | 80-120 | | | |
| Acenaphthene | <10 | 10 | ug/L | 10.0 | | 91.3 | 80-120 | | | |
| 2,4-Dinitrophenol | <20 | 20 | ug/L | 10.0 | | 75.6 | 80-120 | | | S |
| Dibenzofuran | <10 | 10 | ug/L | 10.0 | | 91.3 | 80-120 | | | |
| 2,4-Dinitrotoluene | <10 | 10 | ug/L | 10.0 | | 93.4 | 80-120 | | | |
| 4-Nitrophenol | <10 | 10 | ug/L | 10.0 | | 81.2 | 80-120 | | | |
| Diethyl Phthalate | <30 | 30 | ug/L | 10.0 | | 90.0 | 80-120 | | | |
| Fluorene | <10 | 10 | ug/L | 10.0 | | 91.6 | 80-120 | | | |
| 4-Chlorophenyl Phenyl Ether | <10 | 10 | ug/L | 10.0 | | 93.7 | 80-120 | | | |
| 4,6-Dinitro-2-methylphenol | <20 | 20 | ug/L | 10.0 | | 90.4 | 80-120 | | | |
| N-Nitrosodiphenylamine | <10 | 10 | ug/L | 10.0 | | 90.4 | 80-120 | | | |
| 4-Bromophenyl Phenyl Ether | <10 | 10 | ug/L | 10.0 | | 93.7 | 80-120 | | | |
| Hexachlorobenzene | <10 | 10 | ug/L | 10.0 | | 95.8 | 80-120 | | | |
| Pentachlorophenol | <20 | 20 | ug/L | 10.0 | | 74.0 | 80-120 | | | S |
| Phenanthrene | <10 | 10 | ug/L | 10.0 | | 90.2 | 80-120 | | | |
| Anthracene | <10 | 10 | ug/L | 10.0 | | 88.8 | 80-120 | | | |
| Di-n-butyl Phthalate | <10 | 10 | ug/L | 10.0 | | 90.3 | 80-120 | | | |
| Fluoranthene | <10 | 10 | ug/L | 10.0 | | 93.2 | 80-120 | | | |
| Pyrene | <10 | 10 | ug/L | 10.0 | | 89.2 | 80-120 | | | |
| Butyl Benzyl Phthalate | <10 | 10 | ug/L | 10.0 | | 84.7 | 80-120 | | | |
| Benzo(a)anthracene | <10 | 10 | ug/L | 10.0 | | 90.3 | 80-120 | | | |
| Chrysene | <10 | 10 | ug/L | 10.0 | | 91.1 | 80-120 | | | |
| Bis(2-Ethylhexyl) Phthalate | <10 | 10 | ug/L | 10.0 | | 88.1 | 80-120 | | | |
| Di-n-octyl Phthalate | <10 | 10 | ug/L | 10.0 | | 89.1 | 80-120 | | | |
| Indeno(1,2,3-cd)Pyrene | <10 | 10 | ug/L | 10.0 | | 91.1 | 80-120 | | | |
| 3,3´-Dichlorobenzidine | <20 | 20 | ug/L | 10.0 | | 81.2 | 80-120 | | | |
| Benzo(b)Fluoranthene | <10 | 10 | ug/L | 10.0 | | 86.5 | 80-120 | | | |
| Benzo(k)Fluoranthene | <10 | 10 | ug/L | 10.0 | | 92.2 | 80-120 | | | |
| Benzo(a)Pyrene | <10 | 10 | ug/L | 10.0 | | 93.2 | 80-120 | | | |
| Dibenzo(a,h)anthracene | <10 | 10 | ug/L | 10.0 | | 90.7 | 80-120 | | | |
| Benzo(g,h,i)perylene | <10 | 10 | ug/L | 10.0 | | 88.9 | 80-120 | | | |
| *Surrogate: 2-Fluorophenol* | *21.0* | | ug/L | *20.6* | | *102* | *16-140* | | | |
| *Surrogate: Phenol-d6* | *18.7* | | ug/L | *19.6* | | *95.5* | *13-147* | | | |
| *Surrogate: Nitrobenzene-d5* | *20.3* | | ug/L | *20.6* | | *98.9* | *17-150* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *20.9* | | ug/L | *19.5* | | *107* | *15-134* | | | |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0536 - EPA 625 BNA - EPA 625.1** | | | | | | | | | | |
| **Reference (1IC0536-SRM1)** | | | Prepared: 03/13/25 08:35 Analyzed: 03/18/25 17:45 | | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *23.1* | | ug/L | *20.0* | | *115* | *20-158* | | | |
| *Surrogate: Terphenyl-dl4* | *21.4* | | ug/L | *20.6* | | *104* | *12-157* | | | |

| Determination of Organochlorine Insecticides & PCBs | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0617 - 3520C NP/OC Cont Liq - EPA 608.3 GC-ECD** | | | | | | | | | | |
| **Blank (1IC0617-BLK1)** | | | Prepared: 03/13/25 10:33 Analyzed: 03/20/25 10:05 | | | | | | | |
| Gamma-BHC [Lindane] | <0.05 | 0.05 | ug/L | | | | | | | |
| Beta-BHC | <0.05 | 0.05 | ug/L | | | | | | | |
| Heptachlor | <0.05 | 0.05 | ug/L | | | | | | | |
| Delta-BHC | <0.05 | 0.05 | ug/L | | | | | | | |
| Aldrin | <0.05 | 0.05 | ug/L | | | | | | | |
| Heptachlor Epoxide | <0.05 | 0.05 | ug/L | | | | | | | |
| Endosulfan I | <0.05 | 0.05 | ug/L | | | | | | | |
| 4,4`-DDE | <0.05 | 0.05 | ug/L | | | | | | | |
| Dieldrin | <0.05 | 0.05 | ug/L | | | | | | | |
| Endrin | <0.05 | 0.05 | ug/L | | | | | | | |
| 4,4`-DDD | <0.05 | 0.05 | ug/L | | | | | | | |
| Endosulfan II | <0.05 | 0.05 | ug/L | | | | | | | |
| 4,4`-DDT | <0.05 | 0.05 | ug/L | | | | | | | |
| Endrin Aldehyde | <0.05 | 0.05 | ug/L | | | | | | | |
| Endosulfan Sulfate | <0.05 | 0.05 | ug/L | | | | | | | |
| Chlordane | <0.10 | 0.10 | ug/L | | | | | | | |
| Toxaphene | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1016 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1221 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1232 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1242 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1248 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1254 | <0.20 | 0.20 | ug/L | | | | | | | |
| Arochlor 1260 | <0.20 | 0.20 | ug/L | | | | | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.445* | | ug/L | *0.600* | | *74.2* | *31-116* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0896* | | ug/L | *0.600* | | *14.9* | *12-130* | | | |
| **LCS (1IC0617-BS1)** | | | Prepared: 03/13/25 10:33 Analyzed: 03/20/25 10:24 | | | | | | | |
| Gamma-BHC [Lindane] | 0.229 | 0.05 | ug/L | 0.250 | | 91.8 | 44-124 | | | |
| Beta-BHC | 0.191 | 0.05 | ug/L | 0.250 | | 76.3 | 56-122 | | | |
| Heptachlor | 0.214 | 0.05 | ug/L | 0.250 | | 85.7 | 57-124 | | | |
| Delta-BHC | 0.228 | 0.05 | ug/L | 0.250 | | 91.2 | 53-138 | | | |

| Determination of Organochlorine Insecticides & PCBs | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0617 - 3520C NP/OC Cont Liq - EPA 608.3 GC-ECD** | | | | | | | | | | |
| **LCS (1IC0617-BS1)** | | | | Prepared: 03/13/25 10:33 Analyzed: 03/20/25 10:24 | | | | | | |
| Aldrin | 0.212 | 0.05 | ug/L | 0.250 | | 85.0 | 53-114 | | | |
| Heptachlor Epoxide | 0.246 | 0.05 | ug/L | 0.250 | | 98.6 | 61-128 | | | |
| Endosulfan I | 0.218 | 0.05 | ug/L | 0.250 | | 87.3 | 60-124 | | | |
| 4,4`-DDE | 0.221 | 0.05 | ug/L | 0.250 | | 88.4 | 59-122 | | | |
| Dieldrin | 0.222 | 0.05 | ug/L | 0.250 | | 89.0 | 52-119 | | | |
| Endrin | 0.234 | 0.05 | ug/L | 0.250 | | 93.5 | 45-152 | | | |
| 4,4`-DDD | 0.215 | 0.05 | ug/L | 0.250 | | 86.2 | 59-127 | | | |
| Endosulfan II | 0.228 | 0.05 | ug/L | 0.250 | | 91.2 | 57-130 | | | |
| 4,4`-DDT | 0.216 | 0.05 | ug/L | 0.250 | | 86.4 | 55-143 | | | |
| Endrin Aldehyde | 0.182 | 0.05 | ug/L | 0.250 | | 73.0 | 55-139 | | | |
| Endosulfan Sulfate | 0.217 | 0.05 | ug/L | 0.250 | | 86.9 | 64-123 | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.491* | | ug/L | *0.600* | | *81.9* | *31-116* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.100* | | ug/L | *0.600* | | *16.7* | *12-130* | | | |
| **LCS Dup (1IC0617-BSD1)** | | | | Prepared: 03/13/25 10:33 Analyzed: 03/20/25 10:41 | | | | | | |
| Gamma-BHC [Lindane] | 0.230 | 0.05 | ug/L | 0.250 | | 92.0 | 44-124 | 0.211 | 30 | |
| Beta-BHC | 0.187 | 0.05 | ug/L | 0.250 | | 74.8 | 56-122 | 1.91 | 30 | |
| Heptachlor | 0.216 | 0.05 | ug/L | 0.250 | | 86.4 | 57-124 | 0.802 | 30 | |
| Delta-BHC | 0.233 | 0.05 | ug/L | 0.250 | | 93.4 | 53-138 | 2.32 | 30 | |
| Aldrin | 0.217 | 0.05 | ug/L | 0.250 | | 86.8 | 53-114 | 2.20 | 30 | |
| Heptachlor Epoxide | 0.264 | 0.05 | ug/L | 0.250 | | 106 | 61-128 | 6.95 | 30 | |
| Endosulfan I | 0.210 | 0.05 | ug/L | 0.250 | | 84.1 | 60-124 | 3.73 | 30 | |
| 4,4`-DDE | 0.226 | 0.05 | ug/L | 0.250 | | 90.2 | 59-122 | 2.08 | 30 | |
| Dieldrin | 0.229 | 0.05 | ug/L | 0.250 | | 91.8 | 52-119 | 3.06 | 30 | |
| Endrin | 0.238 | 0.05 | ug/L | 0.250 | | 95.1 | 45-152 | 1.74 | 30 | |
| 4,4`-DDD | 0.219 | 0.05 | ug/L | 0.250 | | 87.5 | 59-127 | 1.54 | 30 | |
| Endosulfan II | 0.231 | 0.05 | ug/L | 0.250 | | 92.5 | 57-130 | 1.44 | 30 | |
| 4,4`-DDT | 0.220 | 0.05 | ug/L | 0.250 | | 88.0 | 55-143 | 1.86 | 30 | |
| Endrin Aldehyde | 0.199 | 0.05 | ug/L | 0.250 | | 79.5 | 55-139 | 8.59 | 30 | |
| Endosulfan Sulfate | 0.222 | 0.05 | ug/L | 0.250 | | 88.8 | 64-123 | 2.08 | 30 | |
| *Surrogate: Tetrachloro-m-xylene* | *0.510* | | ug/L | *0.600* | | *85.0* | *31-116* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0703* | | ug/L | *0.600* | | *11.7* | *12-130* | | | *S2* |
| **Reference (1IC0617-SRM1)** | | | | Prepared: 03/13/25 10:33 Analyzed: 03/20/25 10:58 | | | | | | |
| Gamma-BHC [Lindane] | 0.242 | 0.05 | ug/L | 0.250 | | 96.7 | 80-120 | | | |
| Beta-BHC | 0.230 | 0.05 | ug/L | 0.250 | | 92.2 | 80-120 | | | |
| Heptachlor | 0.225 | 0.05 | ug/L | 0.250 | | 90.0 | 80-120 | | | |
| Delta-BHC | 0.247 | 0.05 | ug/L | 0.250 | | 98.9 | 80-120 | | | |
| Aldrin | 0.232 | 0.05 | ug/L | 0.250 | | 93.0 | 80-120 | | | |
| Heptachlor Epoxide | 0.251 | 0.05 | ug/L | 0.250 | | 100 | 80-120 | | | |
| Endosulfan I | 0.240 | 0.05 | ug/L | 0.250 | | 96.1 | 80-120 | | | |
| 4,4`-DDE | 0.228 | 0.05 | ug/L | 0.250 | | 91.2 | 80-120 | | | |

| Determination of Organochlorine Insecticides & PCBs | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0617 - 3520C NP/OC Cont Liq - EPA 608.3 GC-ECD** | | | | | | | | | | |
| **Reference (1IC0617-SRM1)** | | | Prepared: 03/13/25 10:33 Analyzed: 03/20/25 10:58 | | | | | | | |
| Dieldrin | 0.225 | 0.05 | ug/L | 0.250 | | 90.1 | 80-120 | | | |
| Endrin | 0.234 | 0.05 | ug/L | 0.250 | | 93.7 | 80-120 | | | |
| 4,4`-DDD | 0.219 | 0.05 | ug/L | 0.250 | | 87.7 | 80-120 | | | |
| Endosulfan II | 0.232 | 0.05 | ug/L | 0.250 | | 92.9 | 80-120 | | | |
| 4,4`-DDT | 0.235 | 0.05 | ug/L | 0.250 | | 93.9 | 80-120 | | | |
| Endrin Aldehyde | 0.259 | 0.05 | ug/L | 0.250 | | 103 | 80-120 | | | |
| Endosulfan Sulfate | 0.234 | 0.05 | ug/L | 0.250 | | 93.6 | 80-120 | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.603* | | ug/L | *0.600* | | *100* | *31-116* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.652* | | ug/L | *0.600* | | *109* | *12-130* | | | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0509 - Wet Chem Preparation - USGS I-1750-85** | | | | | | | | | | |
| **Blank (1IC0509-BLK1)** | | | Prepared: 03/12/25 08:52 Analyzed: 03/13/25 12:16 | | | | | | | |
| Total Dissolved Solids (TDS) | <5 | 5 | mg/L | | | | | | | |
| **LCS (1IC0509-BS1)** | | | Prepared: 03/12/25 08:52 Analyzed: 03/13/25 12:16 | | | | | | | |
| Total Dissolved Solids (TDS) | 95 | 5 | mg/L | 100 | | 95.3 | 79-114 | | | |
| **Duplicate (1IC0509-DUP1)** | **Source: 1IC0485-02** | | Prepared: 03/12/25 08:52 Analyzed: 03/13/25 12:16 | | | | | | | |
| Total Dissolved Solids (TDS) | 1220 | 5 | mg/L | | 1220 | | | 0.219 | 24 | |
| **Batch 1IC0511 - General Prep Micro - SM 5210 B-2016** | | | | | | | | | | |
| **Blank (1IC0511-BLK1)** | | | Prepared: 03/12/25 09:13 Analyzed: 03/12/25 10:04 | | | | | | | |
| BOD (5 day) | <2 | 2 | mg/L | | | | | | | AC, K1 |
| **Duplicate (1IC0511-DUP1)** | **Source: 1IC0689-01** | | Prepared: 03/12/25 09:13 Analyzed: 03/12/25 10:58 | | | | | | | |
| BOD (5 day) | 439 | 12 | mg/L | | 419 | | | 4.66 | 30 | |
| **Reference (1IC0511-SRM1)** | | | Prepared: 03/12/25 09:13 Analyzed: 03/12/25 10:11 | | | | | | | |
| BOD (5 day) | 182 | 100 | mg/L | 198 | | 92.2 | 84.6-115.4 | | | |
| **Batch 1IC0642 - Wet Chem Preparation - 4500CN-E** | | | | | | | | | | |
| **Blank (1IC0642-BLK1)** | | | Prepared: 03/13/25 14:01 Analyzed: 03/14/25 15:02 | | | | | | | |
| Cyanide, total | <0.010 | 0.010 | mg/L | | | | | | | |
| **LCS (1IC0642-BS1)** | | | Prepared: 03/13/25 14:01 Analyzed: 03/14/25 15:02 | | | | | | | |
| Cyanide, total | 0.103 | 0.010 | mg/L | 0.100 | | 103 | 64-123 | | | |
| **Matrix Spike (1IC0642-MS1)** | **Source: 1IC0688-01** | | Prepared: 03/13/25 14:01 Analyzed: 03/14/25 15:02 | | | | | | | |
| Cyanide, total | 0.056 | 0.020 | mg/L | 0.100 | ND | 56.0 | 60-127 | | | M2 |
| **Matrix Spike Dup (1IC0642-MSD1)** | **Source: 1IC0688-01** | | Prepared: 03/13/25 14:01 Analyzed: 03/14/25 15:02 | | | | | | | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0642 - Wet Chem Preparation - 4500CN-E** | | | | | | | | | | |
| **Matrix Spike Dup (1IC0642-MSD1)** | | **Source: 1IC0688-01** | Prepared: 03/13/25 14:01 Analyzed: 03/14/25 15:02 | | | | | | | |
| Cyanide, total | 0.052 | 0.020 | mg/L | 0.100 | ND | 52.0 | 60-127 | 7.41 | 30 | M2 |
| **Batch 1IC0646 - Wet Chem Preparation - SM 2320 B-2011** | | | | | | | | | | |
| **Blank (1IC0646-BLK1)** | | | Prepared & Analyzed: 03/13/25 14:20 | | | | | | | |
| Alkalinity, as CaCO3 | <10 | 10 | mg/L | | | | | | | |
| **LCS (1IC0646-BS1)** | | | Prepared & Analyzed: 03/13/25 14:20 | | | | | | | |
| Alkalinity, as CaCO3 | 261 | 10 | mg/L | 235 | | 111 | 82-112 | | | |
| **Matrix Spike (1IC0646-MS1)** | | **Source: 1IC0515-02** | Prepared & Analyzed: 03/13/25 14:20 | | | | | | | |
| Alkalinity, as CaCO3 | 401 | 10 | mg/L | 235 | 150 | 107 | 70-113 | | | |
| **Matrix Spike Dup (1IC0646-MSD1)** | | **Source: 1IC0515-02** | Prepared & Analyzed: 03/13/25 14:20 | | | | | | | |
| Alkalinity, as CaCO3 | 404 | 10 | mg/L | 235 | 150 | 108 | 70-113 | 0.770 | 10 | |
| **Batch 1IC0696 - Wet Chem Preparation - EPA 150.1** | | | | | | | | | | |
| **Duplicate (1IC0696-DUP1)** | | **Source: 1IC0688-01** | Prepared: 03/14/25 08:31 Analyzed: 03/18/25 08:06 | | | | | | | |
| pH | 7.2 | 0.5 | pH | | 8.0 | | | 10.6 | 10 | H4 |
| **Duplicate (1IC0696-DUP2)** | | **Source: 1IC0633-02** | Prepared: 03/14/25 08:31 Analyzed: 03/18/25 08:06 | | | | | | | |
| pH | 8.0 | 0.5 | pH | | 7.2 | | | 10.6 | 10 | H4 |
| **Reference (1IC0696-SRM1)** | | | Prepared: 03/14/25 08:31 Analyzed: 03/18/25 08:06 | | | | | | | |
| pH | 7.0 | 0.5 | pH | 7.00 | | 99.6 | 98.6-101.4 | | | |
| **Reference (1IC0696-SRM2)** | | | Prepared: 03/14/25 08:31 Analyzed: 03/18/25 08:06 | | | | | | | |
| pH | 7.0 | 0.5 | pH | 7.00 | | 99.6 | 98.6-101.4 | | | |
| **Reference (1IC0696-SRM3)** | | | Prepared: 03/14/25 08:31 Analyzed: 03/18/25 08:06 | | | | | | | |
| pH | 7.0 | 0.5 | pH | 7.00 | | 99.9 | 98.6-101.4 | | | |
| **Batch 1IC0703 - General Prep HPLC/IC - TIMBERLINE** | | | | | | | | | | |
| **Blank (1IC0703-BLK1)** | | | Prepared: 03/14/25 09:16 Analyzed: 03/14/25 10:13 | | | | | | | |
| Nitrogen, Ammonia | <0.10 | 0.10 | mg/L | | | | | | | |
| **LCS (1IC0703-BS1)** | | | Prepared: 03/14/25 09:16 Analyzed: 03/14/25 10:15 | | | | | | | |
| Nitrogen, Ammonia | 5.34 | 0.10 | mg/L | 5.00 | | 107 | 90-114 | | | |
| **Matrix Spike (1IC0703-MS1)** | | **Source: 2IC0101-02** | Prepared: 03/14/25 09:16 Analyzed: 03/14/25 10:16 | | | | | | | |
| Nitrogen, Ammonia | 6.32 | 0.10 | mg/L | 5.00 | 0.652 | 113 | 84-115 | | | |
| **Matrix Spike Dup (1IC0703-MSD1)** | | **Source: 2IC0101-02** | Prepared: 03/14/25 09:16 Analyzed: 03/14/25 10:18 | | | | | | | |
| Nitrogen, Ammonia | 6.36 | 0.10 | mg/L | 5.00 | 0.652 | 114 | 84-115 | 0.587 | 20 | |
| **Batch 1IC0742 - Wet Chem Preparation - USGS I-3765-85** | | | | | | | | | | |
| **Blank (1IC0742-BLK1)** | | | Prepared: 03/17/25 07:20 Analyzed: 03/17/25 09:45 | | | | | | | |
| Total Suspended Solids (TSS) | <1 | 1 | mg/L | | | | | | | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0742 - Wet Chem Preparation - USGS I-3765-85** | | | | | | | | | | |
| **LCS (1IC0742-BS1)** | | | Prepared: 03/17/25 07:20 Analyzed: 03/17/25 09:45 | | | | | | | |
| Total Suspended Solids (TSS) | 14.0 | 1 | mg/L | 15.0 | | 93.3 | 71-110 | | | |
| **Duplicate (1IC0742-DUP1)** | | **Source: 1IC0638-01** | Prepared: 03/17/25 07:20 Analyzed: 03/17/25 09:45 | | | | | | | |
| Total Suspended Solids (TSS) | 63.0 | 10 | mg/L | | 61.0 | | | 3.23 | 30 | |
| **Batch 1IC0751 - Wet Chem Preparation - EPA 410.4, Rv. 2 (1993)** | | | | | | | | | | |
| **Blank (1IC0751-BLK1)** | | | Prepared: 03/17/25 08:09 Analyzed: 03/18/25 08:45 | | | | | | | |
| COD, total | <54 | 54 | mg/L | | | | | | | |
| **LCS (1IC0751-BS1)** | | | Prepared: 03/17/25 08:09 Analyzed: 03/18/25 08:45 | | | | | | | |
| COD, total | 1020 | 108 | mg/L | 1000 | | 102 | 90-110 | | | |
| **Matrix Spike (1IC0751-MS1)** | | **Source: 1IC0915-01** | Prepared: 03/17/25 08:09 Analyzed: 03/18/25 08:45 | | | | | | | |
| COD, total | 1460 | 108 | mg/L | 1000 | 517 | 93.9 | 90-110 | | | |
| **Matrix Spike Dup (1IC0751-MSD1)** | | **Source: 1IC0915-01** | Prepared: 03/17/25 08:09 Analyzed: 03/18/25 08:45 | | | | | | | |
| COD, total | 1540 | 108 | mg/L | 1000 | 517 | 102 | 90-110 | 5.34 | 10 | |
| **Batch 1IC0759 - Wet Chem Preparation - EPA 1664A** | | | | | | | | | | |
| **Blank (1IC0759-BLK1)** | | | Prepared: 03/17/25 09:11 Analyzed: 03/18/25 07:35 | | | | | | | |
| Oil and Grease | <4 | 4 | mg/L | | | | | | | |
| **LCS (1IC0759-BS1)** | | | Prepared: 03/17/25 09:11 Analyzed: 03/18/25 07:35 | | | | | | | |
| Oil and Grease | 38.5 | 4 | mg/L | 40.0 | | 96.2 | 78-114 | | | |
| **LCS Dup (1IC0759-BSD1)** | | | Prepared: 03/17/25 09:11 Analyzed: 03/18/25 07:35 | | | | | | | |
| Oil and Grease | 40.9 | 4 | mg/L | 40.0 | | 102 | 78-114 | 6.05 | 18 | |
| **Batch 1IC1376 - TOC/DOC - 5310B** | | | | | | | | | | |
| **Blank (1IC1376-BLK1)** | | | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 11:15 | | | | | | | |
| Total Organic Carbon | <0.50 | 0.50 | mg/L | | | | | | | |
| **LCS (1IC1376-BS1)** | | | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 13:13 | | | | | | | |
| Total Organic Carbon | 5.44 | 0.50 | mg/L | 5.00 | | 109 | 89-116 | | | |
| **LCS Dup (1IC1376-BSD1)** | | | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 11:00 | | | | | | | |
| Total Organic Carbon | 5.42 | 0.50 | mg/L | 5.00 | | 108 | 89-116 | 0.313 | 10 | |
| **Matrix Spike (1IC1376-MS1)** | | **Source: 1IC0692-01** | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 16:41 | | | | | | | |
| Total Organic Carbon | 30.25 | 0.50 | mg/L | 5.00 | 26.62 | 72.6 | 50-133 | | | |
| **Matrix Spike Dup (1IC1376-MSD1)** | | **Source: 1IC0692-01** | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 16:57 | | | | | | | |
| Total Organic Carbon | 31.66 | 0.50 | mg/L | 5.00 | 26.62 | 101 | 50-133 | 4.55 | 10 | |
| **Batch 1IC1490 - TOC/DOC - 5310B** | | | | | | | | | | |
| **Blank (1IC1490-BLK1)** | | | Prepared: 03/28/25 00:00 Analyzed: 03/28/25 10:53 | | | | | | | |
| Total Organic Carbon | <0.50 | 0.50 | mg/L | | | | | | | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC1490 - TOC/DOC - 5310B** | | | | | | | | | | |
| **LCS (1IC1490-BS1)** | | | Prepared: 03/28/25 00:00 Analyzed: 03/28/25 11:33 | | | | | | | |
| Total Organic Carbon | 5.41 | 0.50 | mg/L | 5.00 | | 108 | 89-116 | | | |
| **LCS Dup (1IC1490-BSD1)** | | | Prepared: 03/28/25 00:00 Analyzed: 03/28/25 10:34 | | | | | | | |
| Total Organic Carbon | 5.49 | 0.50 | mg/L | 5.00 | | 110 | 89-116 | 1.54 | 10 | |
| **Matrix Spike (1IC1490-MS1)** | | **Source: 1IC1692-04** | Prepared: 03/28/25 00:00 Analyzed: 03/28/25 16:06 | | | | | | | |
| Total Organic Carbon | 7.89 | 0.50 | mg/L | 5.00 | 3.21 | 93.6 | 50-133 | | | |
| **Matrix Spike Dup (1IC1490-MSD1)** | | **Source: 1IC1692-04** | Prepared: 03/28/25 00:00 Analyzed: 03/28/25 16:25 | | | | | | | |
| Total Organic Carbon | 7.87 | 0.50 | mg/L | 5.00 | 3.21 | 93.2 | 50-133 | 0.241 | 10 | |

| Determination of Inorganic Anions | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0565 - General Prep HPLC/IC - 300.0** | | | | | | | | | | |
| **Blank (1IC0565-BLK1)** | | | Prepared: 03/11/25 00:00 Analyzed: 03/11/25 09:51 | | | | | | | |
| Chloride | <1.0 | 1.0 | mg/L | | | | | | | |
| Nitrogen, Nitrate | <0.1 | 0.1 | mg/L | | | | | | | |
| Sulfate | <1.0 | 1.0 | mg/L | | | | | | | |
| **LCS (1IC0565-BS1)** | | | Prepared: 03/11/25 00:00 Analyzed: 03/11/25 10:27 | | | | | | | |
| Chloride | 14.35 | 1.0 | mg/L | 15.4 | | 93.3 | 90-110 | | | |
| Nitrogen, Nitrate | 2.72 | 0.1 | mg/L | 2.68 | | 102 | 90-110 | | | |
| Sulfate | 33.79 | 1.0 | mg/L | 33.9 | | 99.8 | 90-110 | | | |
| **LCS Dup (1IC0565-BSD1)** | | | Prepared: 03/11/25 00:00 Analyzed: 03/11/25 10:45 | | | | | | | |
| Chloride | 14.28 | 1.0 | mg/L | 15.4 | | 92.9 | 90-110 | 0.510 | 10 | |
| Nitrogen, Nitrate | 2.71 | 0.1 | mg/L | 2.68 | | 101 | 90-110 | 0.515 | 10 | |
| Sulfate | 33.47 | 1.0 | mg/L | 33.9 | | 98.8 | 90-110 | 0.949 | 10 | |
| **Matrix Spike (1IC0565-MS1)** | | **Source: 1IC0315-01** | Prepared: 03/11/25 00:00 Analyzed: 03/11/25 11:22 | | | | | | | |
| Chloride | 233.3 | 10.0 | mg/L | 154 | 78.25 | 101 | 80-120 | | | |
| Nitrogen, Nitrate | 27.39 | 1.0 | mg/L | 26.8 | ND | 102 | 80-120 | | | |
| Sulfate | 926.0 | 10.0 | mg/L | 339 | 567.4 | 106 | 80-120 | | | |
| **Matrix Spike Dup (1IC0565-MSD1)** | | **Source: 1IC0315-01** | Prepared: 03/11/25 00:00 Analyzed: 03/11/25 11:40 | | | | | | | |
| Chloride | 233.0 | 10.0 | mg/L | 154 | 78.25 | 101 | 80-120 | 0.159 | 10 | |
| Nitrogen, Nitrate | 27.52 | 1.0 | mg/L | 26.8 | ND | 103 | 80-120 | 0.474 | 10 | |
| Sulfate | 930.1 | 10.0 | mg/L | 339 | 567.4 | 107 | 80-120 | 0.447 | 10 | |
| **Batch 1IC0628 - General Prep HPLC/IC - 300.0** | | | | | | | | | | |
| **Blank (1IC0628-BLK1)** | | | Prepared & Analyzed: 03/12/25 12:35 | | | | | | | |
| Chloride | <1.0 | 1.0 | mg/L | | | | | | | |
| Sulfate | <1.0 | 1.0 | mg/L | | | | | | | |
| **LCS (1IC0628-BS1)** | | | Prepared & Analyzed: 03/12/25 09:51 | | | | | | | |
| Chloride | 14.49 | 1.0 | mg/L | 15.4 | | 94.3 | 90-110 | | | |

| Determination of Inorganic Anions | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0628 - General Prep HPLC/IC - 300.0** | | | | | | | | | | |
| **LCS (1IC0628-BS1)** | | | | Prepared & Analyzed: 03/12/25 09:51 | | | | | | |
| Sulfate | 33.83 | 1.0 | mg/L | 33.9 | | 99.9 | 90-110 | | | |
| **LCS Dup (1IC0628-BSD1)** | | | | Prepared & Analyzed: 03/12/25 10:10 | | | | | | |
| Chloride | 14.55 | 1.0 | mg/L | 15.4 | | 94.7 | 90-110 | 0.413 | 10 | |
| Sulfate | 34.46 | 1.0 | mg/L | 33.9 | | 102 | 90-110 | 1.82 | 10 | |
| **Matrix Spike (1IC0628-MS1)** | **Source: 1IC0336-02** | | | Prepared & Analyzed: 03/12/25 18:38 | | | | | | |
| Chloride | 405.5 | 10.0 | mg/L | 154 | 243.4 | 105 | 80-120 | | | |
| Sulfate | 413.4 | 10.0 | mg/L | 339 | 49.34 | 107 | 80-120 | | | |
| **Matrix Spike Dup (1IC0628-MSD1)** | **Source: 1IC0336-02** | | | Prepared & Analyzed: 03/12/25 18:56 | | | | | | |
| Chloride | 403.7 | 10.0 | mg/L | 154 | 243.4 | 104 | 80-120 | 0.433 | 10 | |
| Sulfate | 418.1 | 10.0 | mg/L | 339 | 49.34 | 109 | 80-120 | 1.14 | 10 | |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0479 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)** | | | | | | | | | | |
| **Blank (1IC0479-BLK1)** | | | | Prepared: 03/11/25 15:25 Analyzed: 03/12/25 20:34 | | | | | | |
| Antimony, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Arsenic, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Barium, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Beryllium, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Cadmium, total | <0.0002 | 0.0002 | mg/L | | | | | | | |
| Chromium, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Cobalt, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Copper, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Lead, total | <0.0008 | 0.0008 | mg/L | | | | | | | |
| Molybdenum, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Nickel, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Selenium, total | <0.0040 | 0.0040 | mg/L | | | | | | | |
| Silver, total | <0.0020 | 0.0020 | mg/L | | | | | | | |
| Thallium, total | <0.0008 | 0.0008 | mg/L | | | | | | | |
| Vanadium, total | <0.0080 | 0.0080 | mg/L | | | | | | | |
| Zinc, total | <0.0200 | 0.0200 | mg/L | | | | | | | |
| Tin, total | <0.0200 | 0.0200 | mg/L | | | | | | | |
| **LCS (1IC0479-BS1)** | | | | Prepared: 03/11/25 15:25 Analyzed: 03/12/25 20:40 | | | | | | |
| Antimony, total | 0.0971 | 0.0020 | mg/L | 0.100 | | 97.1 | 85-115 | | | |
| Arsenic, total | 0.0930 | 0.0020 | mg/L | 0.100 | | 93.0 | 85-115 | | | |
| Barium, total | 0.106 | 0.0020 | mg/L | 0.100 | | 106 | 85-115 | | | |
| Beryllium, total | 0.0982 | 0.0020 | mg/L | 0.100 | | 98.2 | 85-115 | | | |
| Cadmium, total | 0.0932 | 0.0002 | mg/L | 0.100 | | 93.2 | 85-115 | | | |
| Chromium, total | 0.0940 | 0.0020 | mg/L | 0.100 | | 94.0 | 85-115 | | | |
| Cobalt, total | 0.0973 | 0.0020 | mg/L | 0.100 | | 97.3 | 85-115 | | | |
| Copper, total | 0.0961 | 0.0020 | mg/L | 0.100 | | 96.1 | 85-115 | | | |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0479 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)** | | | | | | | | | | |
| **LCS (1IC0479-BS1)** | | | | Prepared: 03/11/25 15:25 Analyzed: 03/12/25 20:40 | | | | | | |
| Lead, total | 0.0981 | 0.0008 | mg/L | 0.100 | | 98.1 | 85-115 | | | |
| Molybdenum, total | 0.0955 | 0.0020 | mg/L | 0.100 | | 95.5 | 85-115 | | | |
| Nickel, total | 0.0963 | 0.0040 | mg/L | 0.100 | | 96.3 | 85-115 | | | |
| Selenium, total | 0.0878 | 0.0040 | mg/L | 0.100 | | 87.8 | 85-115 | | | |
| Silver, total | 0.0967 | 0.0020 | mg/L | 0.100 | | 96.7 | 85-115 | | | |
| Thallium, total | 0.0975 | 0.0008 | mg/L | 0.100 | | 97.5 | 85-115 | | | |
| Vanadium, total | 0.0933 | 0.0080 | mg/L | 0.100 | | 93.3 | 85-115 | | | |
| Zinc, total | 0.0922 | 0.0200 | mg/L | 0.100 | | 92.2 | 85-115 | | | |
| Tin, total | 0.0952 | 0.0200 | mg/L | 0.100 | | 95.2 | 85-115 | | | |
| **Matrix Spike (1IC0479-MS1)** | **Source: 1IC0501-02** | | | Prepared: 03/11/25 15:25 Analyzed: 03/12/25 21:04 | | | | | | |
| Antimony, total | 0.0969 | 0.0020 | mg/L | 0.100 | ND | 96.9 | 70-130 | | | |
| Arsenic, total | 0.0964 | 0.0020 | mg/L | 0.100 | 0.0013 | 95.1 | 70-130 | | | |
| Barium, total | 0.210 | 0.0020 | mg/L | 0.100 | 0.101 | 110 | 70-130 | | | |
| Beryllium, total | 0.0977 | 0.0020 | mg/L | 0.100 | ND | 97.7 | 70-130 | | | |
| Cadmium, total | 0.0930 | 0.0002 | mg/L | 0.100 | ND | 93.0 | 70-130 | | | |
| Chromium, total | 0.0952 | 0.0020 | mg/L | 0.100 | ND | 95.2 | 70-130 | | | |
| Cobalt, total | 0.103 | 0.0020 | mg/L | 0.100 | ND | 103 | 70-130 | | | |
| Copper, total | 0.101 | 0.0020 | mg/L | 0.100 | 0.0074 | 93.8 | 70-130 | | | |
| Lead, total | 0.0956 | 0.0008 | mg/L | 0.100 | ND | 95.6 | 70-130 | | | |
| Molybdenum, total | 0.104 | 0.0020 | mg/L | 0.100 | 0.0020 | 102 | 70-130 | | | |
| Nickel, total | 0.0998 | 0.0040 | mg/L | 0.100 | 0.0009 | 98.9 | 70-130 | | | |
| Selenium, total | 0.0880 | 0.0040 | mg/L | 0.100 | 0.0018 | 86.2 | 70-130 | | | |
| Silver, total | 0.0956 | 0.0020 | mg/L | 0.100 | ND | 95.6 | 70-130 | | | |
| Thallium, total | 0.0952 | 0.0008 | mg/L | 0.100 | ND | 95.2 | 70-130 | | | |
| Vanadium, total | 0.0957 | 0.0080 | mg/L | 0.100 | ND | 95.7 | 70-130 | | | |
| Zinc, total | 0.108 | 0.0200 | mg/L | 0.100 | ND | 108 | 70-130 | | | |
| Tin, total | 0.0959 | 0.0200 | mg/L | 0.100 | ND | 95.9 | 70-130 | | | |
| **Matrix Spike Dup (1IC0479-MSD1)** | **Source: 1IC0501-02** | | | Prepared: 03/11/25 15:25 Analyzed: 03/12/25 21:10 | | | | | | |
| Antimony, total | 0.0992 | 0.0020 | mg/L | 0.100 | ND | 99.2 | 70-130 | 2.34 | 20 | |
| Arsenic, total | 0.0966 | 0.0020 | mg/L | 0.100 | 0.0013 | 95.3 | 70-130 | 0.243 | 20 | |
| Barium, total | 0.216 | 0.0020 | mg/L | 0.100 | 0.101 | 115 | 70-130 | 2.60 | 20 | |
| Beryllium, total | 0.100 | 0.0020 | mg/L | 0.100 | ND | 100 | 70-130 | 2.33 | 20 | |
| Cadmium, total | 0.0947 | 0.0002 | mg/L | 0.100 | ND | 94.7 | 70-130 | 1.83 | 20 | |
| Chromium, total | 0.0956 | 0.0020 | mg/L | 0.100 | ND | 95.6 | 70-130 | 0.459 | 20 | |
| Cobalt, total | 0.103 | 0.0020 | mg/L | 0.100 | ND | 103 | 70-130 | 0.144 | 20 | |
| Copper, total | 0.102 | 0.0020 | mg/L | 0.100 | 0.0074 | 94.7 | 70-130 | 0.909 | 20 | |
| Lead, total | 0.0976 | 0.0008 | mg/L | 0.100 | ND | 97.6 | 70-130 | 2.13 | 20 | |
| Molybdenum, total | 0.108 | 0.0020 | mg/L | 0.100 | 0.0020 | 106 | 70-130 | 3.57 | 20 | |
| Nickel, total | 0.0989 | 0.0040 | mg/L | 0.100 | 0.0009 | 98.0 | 70-130 | 0.929 | 20 | |
| Selenium, total | 0.0895 | 0.0040 | mg/L | 0.100 | 0.0018 | 87.8 | 70-130 | 1.78 | 20 | |
| Silver, total | 0.0993 | 0.0020 | mg/L | 0.100 | ND | 99.3 | 70-130 | 3.79 | 20 | |
| Thallium, total | 0.0977 | 0.0008 | mg/L | 0.100 | ND | 97.7 | 70-130 | 2.59 | 20 | |
| Vanadium, total | 0.100 | 0.0080 | mg/L | 0.100 | ND | 100 | 70-130 | 4.69 | 20 | |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0479 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)** | | | | | | | | | | |
| **Matrix Spike Dup (1IC0479-MSD1)** | **Source: 1IC0501-02** | | Prepared: 03/11/25 15:25 Analyzed: 03/12/25 21:10 | | | | | | | |
| Zinc, total | 0.108 | 0.0200 | mg/L | 0.100 | ND | 108 | 70-130 | 0.0807 | 20 | |
| Tin, total | 0.0977 | 0.0200 | mg/L | 0.100 | ND | 97.7 | 70-130 | 1.85 | 20 | |
| **Post Spike (1IC0479-PS1)** | **Source: 1IC0501-02** | | Prepared: 03/11/25 15:25 Analyzed: 03/13/25 11:47 | | | | | | | |
| Antimony, total | 0.0825 | | mg/L | 0.0800 | 0.0003 | 103 | 70-130 | | | |
| Arsenic, total | 0.0780 | | mg/L | 0.0800 | 0.0013 | 95.9 | 70-130 | | | |
| Barium, total | 0.186 | | mg/L | 0.0800 | 0.0987 | 109 | 70-130 | | | |
| Beryllium, total | 0.0836 | | mg/L | 0.0800 | 0.00001 | 105 | 70-130 | | | |
| Cadmium, total | 0.0774 | | mg/L | 0.0800 | 0.00001 | 96.8 | 70-130 | | | |
| Chromium, total | 0.0849 | | mg/L | 0.0800 | 0.0005 | 105 | 70-130 | | | |
| Cobalt, total | 0.0849 | | mg/L | 0.0800 | 0.0001 | 106 | 70-130 | | | |
| Copper, total | 0.0918 | | mg/L | 0.0800 | 0.0073 | 106 | 70-130 | | | |
| Lead, total | 0.0746 | | mg/L | 0.0800 | 0.0002 | 93.0 | 70-130 | | | |
| Molybdenum, total | 0.0855 | | mg/L | 0.0800 | 0.0019 | 104 | 70-130 | | | |
| Nickel, total | 0.0846 | | mg/L | 0.0800 | 0.0009 | 105 | 70-130 | | | |
| Selenium, total | 0.0693 | | mg/L | 0.0800 | 0.0017 | 84.5 | 70-130 | | | |
| Silver, total | 0.0773 | | mg/L | 0.0800 | 0.00008 | 96.5 | 70-130 | | | |
| Thallium, total | 0.0752 | | mg/L | 0.0800 | -0.00002 | 94.0 | 70-130 | | | |
| Vanadium, total | 0.0860 | | mg/L | 0.0800 | 0.0031 | 104 | 70-130 | | | |
| Zinc, total | 0.0926 | | mg/L | 0.0800 | 0.0122 | 101 | 70-130 | | | |
| Tin, total | 0.0832 | | mg/L | 0.0800 | 0.0003 | 104 | 70-130 | | | |
| **Batch 1IC0910 - EPA 200.2 Total ICP-OES (200.7) - 200.7** | | | | | | | | | | |
| **Blank (1IC0910-BLK1)** | | | Prepared: 03/19/25 07:10 Analyzed: 03/19/25 22:35 | | | | | | | |
| Calcium, total | <0.1 | 0.1 | mg/L | | | | | | | |
| Iron, total | <0.100 | 0.100 | mg/L | | | | | | | |
| Magnesium, total | <0.10 | 0.10 | mg/L | | | | | | | |
| Potassium, total | <1.00 | 1.00 | mg/L | | | | | | | |
| Sodium, total | <1.00 | 1.00 | mg/L | | | | | | | |
| Titanium, total | <0.050 | 0.050 | mg/L | | | | | | | |
| **LCS (1IC0910-BS1)** | | | Prepared: 03/19/25 07:10 Analyzed: 03/19/25 22:41 | | | | | | | |
| Calcium, total | 2.42 | 0.1 | mg/L | 2.20 | | 110 | 85-115 | | | |
| Iron, total | 2.49 | 0.100 | mg/L | 2.20 | | 113 | 85-115 | | | |
| Magnesium, total | 2.17 | 0.10 | mg/L | 2.20 | | 98.7 | 85-115 | | | |
| Potassium, total | 4.08 | 1.00 | mg/L | 4.00 | | 102 | 85-115 | | | |
| Sodium, total | 2.27 | 1.00 | mg/L | 2.20 | | 103 | 85-115 | | | |
| Titanium, total | 0.208 | 0.050 | mg/L | 0.200 | | 104 | 85-115 | | | |
| **Matrix Spike (1IC0910-MS1)** | **Source: 1IC0655-01** | | Prepared: 03/19/25 07:10 Analyzed: 03/19/25 22:56 | | | | | | | |
| Calcium, total | 134 | 0.1 | mg/L | 2.20 | 130 | 178 | 70-130 | | | M6 |
| Iron, total | 2.99 | 0.100 | mg/L | 2.20 | 0.619 | 108 | 70-130 | | | |
| Magnesium, total | 52.6 | 0.10 | mg/L | 2.20 | 49.2 | 157 | 70-130 | | | M6 |
| Potassium, total | 24.6 | 1.00 | mg/L | 4.00 | 20.3 | 110 | 70-130 | | | |
| Sodium, total | 329 | 1.00 | mg/L | 2.20 | 322 | 284 | 70-130 | | | M6 |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1IC0910 - EPA 200.2 Total ICP-OES (200.7) - EPA 200.7, Rv. 4.4 (1994)** | | | | | | | | | | |
| **Matrix Spike (1IC0910-MS1)** | | **Source: 1IC0655-01** | Prepared: 03/19/25 07:10 Analyzed: 03/19/25 22:56 | | | | | | | |
| Titanium, total | 0.208 | 0.050 | mg/L | 0.200 | 0.00297 | 103 | 70-130 | | | |
| **Matrix Spike Dup (1IC0910-MSD1)** | | **Source: 1IC0655-01** | Prepared: 03/19/25 07:10 Analyzed: 03/19/25 23:07 | | | | | | | |
| Calcium, total | 140 | 0.1 | mg/L | 2.20 | 130 | 442 | 70-130 | 4.24 | 20 | M6 |
| Iron, total | 3.18 | 0.100 | mg/L | 2.20 | 0.619 | 116 | 70-130 | 5.99 | 20 | |
| Magnesium, total | 54.3 | 0.10 | mg/L | 2.20 | 49.2 | 233 | 70-130 | 3.16 | 20 | M6 |
| Potassium, total | 25.7 | 1.00 | mg/L | 4.00 | 20.3 | 135 | 70-130 | 4.05 | 20 | M6 |
| Sodium, total | 347 | 1.00 | mg/L | 2.20 | 322 | NR | 70-130 | 5.58 | 20 | M6 |
| Titanium, total | 0.217 | 0.050 | mg/L | 0.200 | 0.00297 | 107 | 70-130 | 4.00 | 20 | |
| **Post Spike (1IC0910-PS1)** | | **Source: 1IC0655-01** | Prepared: 03/19/25 07:10 Analyzed: 03/19/25 23:17 | | | | | | | |
| Calcium, total | 140 | | mg/L | 8.80 | 130 | 111 | 85-115 | | | |
| Iron, total | 10.7 | | mg/L | 8.80 | 0.619 | 115 | 85-115 | | | |
| Magnesium, total | 57.7 | | mg/L | 8.80 | 49.2 | 96.5 | 85-115 | | | |
| Potassium, total | 37.7 | | mg/L | 16.0 | 20.3 | 109 | 85-115 | | | |
| Sodium, total | 321 | | mg/L | 8.80 | 322 | NR | 85-115 | | | M6 |
| Titanium, total | 0.865 | | mg/L | 0.800 | 0.00297 | 108 | 85-115 | | | |
| **Batch 1IC1059 - EPA 7470A Hg Water - 245.1** | | | | | | | | | | |
| **Blank (1IC1059-BLK1)** | | | Prepared: 03/20/25 15:33 Analyzed: 03/21/25 12:54 | | | | | | | |
| Mercury, total | <0.00050 | 0.00050 | mg/L | | | | | | | |
| **LCS (1IC1059-BS1)** | | | Prepared: 03/20/25 15:33 Analyzed: 03/21/25 12:57 | | | | | | | |
| Mercury, total | 0.00227 | 0.00050 | mg/L | 0.00250 | | 90.7 | 85-115 | | | |
| **Matrix Spike (1IC1059-MS1)** | | **Source: 1IC0688-01** | Prepared: 03/20/25 15:33 Analyzed: 03/21/25 13:08 | | | | | | | |
| Mercury, total | 0.00210 | 0.00050 | mg/L | 0.00250 | ND | 84.1 | 70-130 | | | |
| **Matrix Spike Dup (1IC1059-MSD1)** | | **Source: 1IC0688-01** | Prepared: 03/20/25 15:33 Analyzed: 03/21/25 13:13 | | | | | | | |
| Mercury, total | 0.00235 | 0.00050 | mg/L | 0.00250 | ND | 94.2 | 70-130 | 11.3 | 10 | R1 |

**Definitions**

| | |
|---|---|
| **A14:** | Sample was preserved with Hydrochloric Acid to pH <2 on receipt. |
| **AC:** | BOD blank = 0.23mg/L |
| **H4:** | The test was performed outside of the EPA recommended holding time of 15 minutes. |
| **K1:** | Unseeded dilution blank depletion exceeds 0.2 mg/L. |
| **L3:** | Elevated reporting limit due to sample foaming. |
| **M2:** | Matrix spike recovery is below acceptance limits. |
| **M6:** | Matrix spike recovery is outside of acceptance limits. The analyte concentration is greater than 4X the spiking level. |
| **Q3:** | LCS recovery is below acceptance limits. The reported value is estimated. |
| **Q8:** | CCV recovery is below acceptance limits. The reported value is estimated. |
| **R1:** | Duplicate RPD is outside acceptance criteria. |
| **RL:** | Reporting Limit |
| **RPD:** | Relative Percent Difference |
| **S:** | Spike recovery outside of acceptance limits. |
| **S2:** | Surrogate recovery is below acceptance limits. |

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CERTIFICATE OF ANALYSIS

1IC0688

**Cooler Receipt Log**

**Cooler ID:** Default Cooler Temp: 4.8°C

**Cooler Inspection Checklist**

| | | | |
|---|---|---|---|
| Custody Seals | No | Containers Intact | Yes |
| COC/Labels Agree | Yes | Preservation Confirmed | No |
| Received On Ice | Yes | | |

**Report Comments**

**Reviewed and Approved By:**

Tiffannie Clymer
Customer Relationship Specialist
03/31/25 16:59

*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>.***

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HLW Engineering
PM: Heather Murphy


Printed: 2/24/2025 9:51:30A
www.keystonelabs.com

**SITE INFORMATION**
Sampler: Todd Whipple
Project: SCILA - Leachate

**REPORT TO**
Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**
Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**
None

**Turn Around Time**
☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**
Work Order 1IC0688
Temperature 0.4 EE 4.8
Turn-Cooler: -

- ☐ Custody Seal
- ☒ Containers Intact
- ☒ COC/Labels Agree
- ☐ Preservation Confirmed
- ☒ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| -001 | West Lagoon | Aqueous | GRAB | 3/10/25 | 14:44 | 18 | 608-107, 624@dibromochloromethane, 624-105, 625-116, 625-901, ag-t-200.8, alk-caco3-2320, as-t-200.8, ba-t-200.8, be-t-200.8, bod-5210, ca-t-200.7, cd-t-200.8, cl-300.0, cn-t-4500e, cod-t-410.4, co-t-200.8, cr-t-200.8, cu-t-200.8, fe-t-200.7, hg-t-245.1, k-t-200.7, mg-t-200.7, mo-t-200.8, na-t-200.7, nh3-timberline, ni-t-200.8, no3-300.0, og-t-1664, pb-t-200.8, ph-150.1, sb-t-200.8, se-t-200.8, sn-t-200.8 | 01 |

Todd Whipple 3/11/25
Relinquished By Date/Time

Received By Date/Time

Relinquished By Date/Time

Lauryl Brooks 3/11/25 1035
Received for Lab By Date/Time

Remarks:

Original - Lab Copy Yellow - Sampler Copy

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Newton, IA
641-792-84

1 I C 0 6 8 8

HLW Engineering
PM: Heather Murphy



Printed: 2/24/2025 9:51:30A

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**SITE INFORMATION**

Sampler: TODD WHIPPLE

Project: SCILA - Leachate

**REPORT TO**

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**

Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**

☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**

Work Order 1IC0688

Temperature 4.8

Turn-Cooler: -

- ☐ Custody Seal
- ☒ Containers Intact
- ☒ COC/Labels Agree
- ☐ Preservation Confirmed
- ☒ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | so4-300.0<br>li-t-200.7<br>toc-5310b<br>v-t-200.8<br>tds-i-1750-85<br>ti-t-200.8<br>tss-i-3765-85<br>zn-t-200.8 | |

Relinquished By Date/Time 3/4/24

Received By Date/Time

Relinquished By Date/Time

Received for Lab By Date/Time 3/4/25 1035

Remarks:

Original - Lab Copy Yellow - Sampler Copy

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PM: Heather Murphy


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**SITE INFORMATION**
Sampler: Todd Whipple
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**REPORT TO**
Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**
Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**
None

**Turn Around Time**
☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**
Work Order 1IC0688
Temperature 4.8
Turn-Cooler: -

☐ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☐ Preservation Confirmed
☒ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| -001 | East Lagoon | Aqueous | GRAB | 3/10/25 | 17:24 | 18 | 608-107<br>624@dibromochloromethane<br>624-105<br>625-116<br>625-901<br>ag-t-200.8<br>alk-caco3-2320<br>as-t-200.8<br>ba-t-200.8<br>be-t-200.8<br>bod-5210<br>ca-t-200.7<br>cd-t-200.8<br>cl-300.0<br>cn-t-4500e<br>cod-t-410.4<br>co-t-200.8<br>cr-t-200.8<br>cu-t-200.8<br>fe-t-200.7<br>hg-t-245.1<br>k-t-200.7<br>mg-t-200.7<br>mo-t-200.8<br>mn-t-200.7<br>nh3-timberline<br>ni-t-200.8<br>no3-300.0<br>og-t-1664<br>pb-t-200.8<br>ph-150.1<br>sb-t-200.8<br>se-t-200.8<br>sn-t-200.8 | |

Relinquished By Todd Whipple Date/Time 3/4/25
Received By Date/Time
Relinquished By Date/Time
Received for Lab By Lauryn Wood 3/11/25 1035 Date/Time

Remarks:

Original - Lab Copy Yellow - Sampler Copy

MICROBAC®

600 East 17
Newton, IA
641-792-84

1 I C 0 6 8 8

HLW Engineering
PM: Heather Murphy



www.keystonelabs.com

**SITE INFORMATION**

Sampler: Todd Whipple

Project: SCILA - Leachate

**REPORT TO**

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

**INVOICE TO**

Marcia Beeler
South Central Iowa Landfill
2520 State Hwy 92
Winterset, IA 50273

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**

☐ Standard ☐ RUSH, need by ___/___/___

**LAB USE ONLY**

Work Order 1IC0688

Temperature 4.8

Turn-Cooler: -

- ☐ Custody Seal
- ☒ Containers Intact
- ☒ COC/Labels Agree
- ☐ Preservation Confirmed
- ☒ Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | so4-300.0<br>li-t-200.7<br>ioc-5310b<br>v-t-200.8<br>ids-i-1750-85<br>il-t-200.8<br>iss-i-3765-85<br>zn-t-200.8 | |

Relinquished By Todd Whipple 3/11/25 Date/Time

Relinquished By Date/Time

Received By Date/Time

Received for Lab By Lauren Wood 3/14/25 1035 Date/Time

Remarks:

Original - Lab Copy Yellow - Sampler Copy