

# **2024 ANNUAL WATER QUALITY REPORT**

## **FOR THE BOONE COUNTY SANITARY LANDFILL 08-SDP-1-75P BOONE, IOWA**

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# Table of Contents

Certification

Section 1.0 Background Information

Section 2.0 Reporting Period Activities

Section 3.0 Data Evaluation and Summary

Quality Assurance/Quality Control

Background data Validation

Site Specific GWPS

Statistically Significant Increases/Exceedances of Prediction Limits

Assessment Monitoring

Statistically Significant Levels

Assessment of Corrective Measures

Corrective Measures Monitoring

Corrective Measures Monitoring Evaluations

Monitoring Well Maintenance Performance Reevaluation

Leachate Collection System Performance Reevaluation

Gas Monitoring Evaluation

Section 4.0 Recommendations

Figures

Figure 1 – Site Plan

Figure 2 – Water Table Contour Map

Figure 3 – North Side Corrective Action System

Appendices

Appendix A - Monitoring Well Maintenance and Performance Re-evaluation

Appendix B - Field Sampling Information

Appendix C – Summary Tables – Comprehensive Analytical Results

Appendix D - Statistical Report

Appendix E - Laboratory Reports to Report Period

Appendix F – Corrective Action System Evaluation Data

Appendix G – Leachate Collection System Performance Evaluation Report

Appendix H - Gas Monitoring Report

## Certification

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Date: 1-20-2025

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# Section 1.0 Background Information

## 1.1 Report Priority

The review of this report is considered to be low priority.

Continued semi-annual detection monitoring, assessment monitoring, and corrective action monitoring is recommended in 2025 according to Table 1 of Section 1.0.

MW98-25 warrants evaluation again in 2025 as a Point of Compliance Corrective Action Monitoring Point for the purpose of evaluating the success of the Corrective Measures constructed on the north side of the facility.

Several additional recommendations are offered in Section 4.0 of this report.

## 1.2 Period of Report Coverage

Water quality data evaluation is based on a running compilation of data beginning in March, 2008. Statistical evaluations herein are based on the water quality data collected through September 30, 2024.

## 1.3 Current Site Map

Figure 1 is attached illustrating the current site features, monitoring well locations, and subsurface gas probe locations.

## 1.4 Site Status and Applicable Rules

### **Site Location**

The Boone County Sanitary Landfill is located in SE1/4 Section 6, T83N, R26W, Boone County, Iowa. The facility is situated southwest of Boone, Iowa. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 08-SDP-1-75P.

### **Landfill Layout**

The site is situated in the uplands above the Des Moines River valley to the west and south. The Original Landfill is closed and is designated as Areas A, B, and C. RCRA Subtitle D Expansion Areas are designated Phase 1, 2, 3, 4-R, 5-R, 6-R, 7-R, and 8-R. Phases 4-R, 5-R, 6-R, 7-R, and 8-R are actively receiving waste from the planning area.

### **Applicable Rules**

Iowa Administrative Code (IAC) 567-113 is applicable to the site due to the contiguous nature of the Closed Landfill and the active areas.

## 1.5 Summary of Hydrologic Monitoring System Plan (HMSP)

The HMSP includes seventeen (17) monitoring wells, three (3) groundwater underdrains (GWD-1(aka GU-1), GU-3, and GU-4), one groundwater collection trench outfall (SRAMP 1), and two (2) passive engineered conveyance system outfalls (SRAMP 2 & PECS-3). MW88-2, MW91-8, MW02-15A, MW98-28, and MW02-30A are the designated background/upgradient wells for the facility.

The Site Plan, the HMSP monitoring network, and the GMSP monitoring network are illustrated on Figure 1. The Water Table Contour Map is included as Figure 2. Details of the North Side Corrective Action Plan are illustrated in Figure 3.

Table 1 – Planned Hydrologic Monitoring System Plan (HMSP) Activities

| WELL         | Monitoring Phase         | 3/2025                      | 9/2025                      | Appendix II Sample Collection Events                   |
|--------------|--------------------------|-----------------------------|-----------------------------|--|
| MW88-2 (b)   | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| MW91-8 (b)   | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| MW02-15A (b) | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| MW98-28 (b)  | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| MW02-30A (b) | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| MW94-18      | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| MW09-40      | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| MW91-10      | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| MW96-21      | Assessment Monitoring    | Appendix I                  | Appendix I                  | 9/19/17, 9/24/18, 9/12/2023                            |
| MW96-24      | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| MW88-3       | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| MW96-23      | Detection Monitoring     | Appendix I                  | Appendix I                  | 9/15/11, 3/7/12*                                       |
| MW21-43      | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| GWD-1        | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| GU-3         | Corrective Action        | Appendix I                  | Appendix I                  |  |
| PECS-3       | PECS - Corrective Action | Appendix I <sup>(2)</sup>   | Appendix I <sup>(2)</sup>   |  |
| GU-4         | Detection Monitoring     | Appendix I                  | Appendix I                  |  |
| SRAMP 1      | Corrective Action        | Appendix I <sup>(1)</sup>   | Appendix I <sup>(1)</sup>   | 9/20/09, 9/25/10**                                     |
| SRAMP 2      | PECS - Corrective Action | Appendix I <sup>(1,2)</sup> | Appendix I <sup>(1,2)</sup> |  |
| MW98-25      | POC – Corrective Action  | Appendix I <sup>(1)</sup>   | Appendix I <sup>(1)</sup>   | 7/23/08, 9/12/08, 12/10/08, 3/4/09, 3/17/17, 9/14/2022 |
| MW06-37      | SOW - Corrective Action  | Appendix I                  | Appendix I                  | 7/23/08, 9/12/08, 12/10/08**                           |
| MW06-38      | SOW - Corrective Action  | Appendix I                  | Appendix I                  | 7/23/08, 9/12/08, 12/10/08**                           |
| MW06-39      | SOW - Corrective Action  | Appendix I                  | Appendix I                  | 7/23/08, 9/12/08, 12/10/08**                           |
| Duplicate    | QA/QC                    | Appendix I                  | Appendix I                  |  |

(1) = dichlorodifluoromethane

(2) = Appendix I VOC List Only

SOW = Step Out Well POC = Point of Compliance

PECS = Passive Engineered Conveyance System

\* Monitoring well was returned to detection monitoring

\*\* SOW & PECS - Corrective Action monitoring wells have no requirement for full Appendix II sample frequency.

## Section 2.0 Reporting Period Monitoring Activities

Appendix B includes information related to the Monitoring Activities at this facility. A summary of all well testing performed beginning March 17, 2008 is included in Appendix B.1.

Field sampling information for the March 12, 2024; September 30, 2024; November 25, 2025; and December 9, 2024 sampling episodes is included on the field forms (IDNR Form 542-1322) in Appendix B.2.

A comprehensive summary of Analytical Data for the episodes between March 17, 2008 and September 30, 2024 is included in Appendix C.

### 2.1 Current Detection Monitoring Activities

Background wells MW88-2, MW91-8, MW02-15A, MW98-28, and MW02-30A and downgradient monitoring wells MW94-18, MW09-40, MW91-10, MW96-23, MW96-24, MW88-3, GWD-1 (GU-1), and UD-4 (GU-4) remain in detection monitoring (sampled for Appendix I).

### 2.2 Current Assessment Monitoring Activities

Monitoring well MW96-21 is included in the assessment monitoring program due to a historic (3/17/2017) cobalt exceedance at MW96-21. MW96-21 has been retained in the assessment monitoring program.

### 2.3 Current Corrective Action Monitoring Activities

The detected concentrations in MW98-25 historically exceeded groundwater protection standards and resulted in construction of the groundwater collection trench along the north side of the site and installation of two (2) leachate extraction wells in the closed landfill (Figure 3). Additionally, step-out Corrective Action monitoring wells MW06-37, MW06-38, and MW06-39 were installed to monitor the effectiveness of the remedial system. SRAMP 1 (the collection tile outlet into the PECS), SRAMP-2 (PECS outlet), GU-3, PECS-3 (PECS outlet), MW98-25, MW06-37, MW06-38, and MW06-39 are designated as Corrective Action monitoring points.

Discharge to the Passive Engineered Conveyance System below SRAMP-1 was approved by IDNR in Permit Amendment #8 dated October 28, 2013.

Based on the detected VOC at GU-3, this tile line discharge was placed in the Corrective Action Monitoring System and a Passive Engineered Conveyance System (PECS) below the discharge end of GU-3 was constructed on December 29, 2021. Record information for the PECS was submitted to IDNR on May 5, 2022 (Doc #103162). Approval of the PECS and inclusion of the PECS sampling point PECS-3 was approved by IDNR in the Permit Revision (Special Provision X.4.u) on May 17, 2022 (Doc #103223).

Nickel at GU-3 (23.5 ug/L) exceeded the prediction limit based on the background monitoring wells (17.4 ug/L) on December 9, 2024. Across Iowa it has been demonstrated that groundwater underdrain discharges from underdrain systems where mass excavations have occurred may not be suitable for comparison to a prediction limit based on water quality from a vertical background monitoring well located distant to the landfill waste boundaries. At numerous sites in Iowa, groundwater underdrains are evaluated by intrawell statistical evaluations in lieu of interwell statistical evaluations.

It is recommended that underdrain discharges (GU-1 (aka GWD-1), GU-3, and GU-4) at this site be evaluated by intrawell statistical evaluations moving forward.

## 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 Boone County Sanitary Landfill, First Semi-Annual Monitoring Event in 2024, dated April, 2024 is included in Appendix D.1. The Groundwater Statistics Report for the Boone County Sanitary Landfill, Second Semi-Annual Monitoring Event in 2024, dated November, 2024 is included in Appendix D.2.

The Keystone Analytical Reports from the 2024 laboratory testing are included in Appendix E.

### **QUALITY ASSURANCE/QUALITY CONTROL**

A blind duplicate sample was collected at MW91-8 during the March 12, 2024, sampling episode. A blind duplicate was collected at MW94-18 during the September 30, 2024, sampling episode.

The purpose of the field duplicate is to evaluate the precision of sample collection and analysis process from the field through the laboratory. The calculation of the Relative Percent Difference (RPD) for duplicate pair results is used as 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) One or both results are non-detected.

The results of the blind duplicate and the monitoring well results (both the March 12, 2024 and September 30, 2024) are 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 # 80724). A TSS and Field Turbidity Evaluation Report was prepared and submitted on February 25, 2015 (Doc# 82549). The submitted 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 based on TSS/field turbidity values. A summary of the recorded field turbidity measurements is included in Appendix D.3.

The background data utilized herein has been restricted to include only sample results that have been collected by “No Purge” methods (samples collected since September 18, 2014) in order to remove any data that may have had turbidity related issues associated with historic sample collection methods.

Upgradient Data, Table 1, Attachment B, to both the Spring and Fall Statistical Evaluation Reports (Appendix D.1 and D.2) includes a summary of the background data.

The site prediction limits established in the September, 2024 Statistical Evaluation Report (Appendix D.2) are the most recent and are based on the validated background.

## **SITE SPECIFIC GWPS**

Review of the most recent inorganic Prediction Limits (based on the validated background data) in Table 5 of Attachment B in the November 2024 Statistical Evaluation Report (Appendix D.2) indicates that the prediction limits for arsenic (50.6 ug/L), for cobalt (7.0 ug/L), and for vanadium (40.6 ug/L) exceed the published IAC 567, Chapter 137 Statewide Standard (10.0 ug/L; 2.1 ug/L; and 35.0 ug/L, respectively).

The Site-Specific GWPS should not be set lower than the Site Prediction Limit calculated from the site background data. For this report, the prediction limits for arsenic (50.6 ug/L), for cobalt (7.0 ug/L), and for vanadium (40.6 ug/L) are utilized as the Site-Specific GWPS. For all other compounds the published IAC 567, Chapter 137 Statewide Standard are utilized as the GWPS.

## **STATISTICALLY SIGNIFICANT INCREASES (SSI)**

The detected concentrations of each compound are compared to the site prediction limit for each respective compound calculated based on the validated 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).

Only assessment monitoring or corrective action monitoring wells had recorded exceedances of the prediction limit in 2024.



The exceedances in *assessment* or *corrective action* monitoring wells are not required to be reported as SSI, but a running summary of recorded prediction limit exceedances (beginning in 2013) is included in Appendix D.4. The current year list of prediction limit exceedances are listed below:

| Spring, 2024 |                        | Fall, 2024 |                        |
|--------------|------------------------|------------|------------------------|
| MW98-25      | cobalt                 | MW98-25    | cobalt                 |
|              | nickel                 |            | nickel                 |
|              | 1,1-dichloroethane     |            | 1,1-dichloroethane     |
|              | 1,4-dichlorobenzene    |            | 1,4-dichlorobenzene    |
|              | chloroethane           |            | chlorobenzene          |
|              | cis-1,2-dichloroethene |            | chloroethane           |
|              | trichlorofluoromethane |            | chloromethane          |
|              |                        |            | cis-1,2-dichloroethene |
| GU-3         | submerged              | GU-3       | nickel                 |
|              |                        |            | benzene                |
|              |                        |            | chlorobenzene          |
|              |                        |            | chloroethane           |
|              |                        |            | cis-1,2-dichloroethene |
|              |                        |            | vinyl chloride         |
| SRAMP 1      | dry                    | SRAMP 1    | dry                    |

A summary of all monitoring data is included in Appendix C and includes all detected Appendix II compounds. This report serves as notice to the operating record in accordance with IAC 567-113.10(5)c.

## ASSESSMENT MONITORING SUMMARY

The dates of the full Appendix II sampling episodes completed at site monitoring wells are summarized in Table 1 and in the Table below. A five-year frequency for Appendix II sample collection at MW96-21 began September, 2017 in accordance with Special Provision X.4.g of the February 12, 2014 Permit.

### MW96-21 (green highlights indicate full Appendix II sample analyses were performed)

| Date      | <i>dichlorodifluoromethane</i><br>ug/L | <i>bis(2-ethylhexyl)phthalate</i><br>ug/L | <i>beta (BHC)</i><br>ug/L | <i>VOC</i><br>ug/L |
|-----------|--|---|---------------------------|--------------------|
| 9/19/2017 | <1.0                                   | <6  | <0.05                     | <1.0               |
| 3/8/2018  | NT                                     | NT  | NT                        | <1.0               |
| 9/24/2018 | <1.0                                   | <6  | <0.05                     | <1.0               |
| 3/25/2019 | NT                                     | NT  | NT                        | <1.0               |
| 9/3/2019  | NT                                     | NT  | NT                        | <1.0               |
| 3/26/2020 | NT                                     | NT  | NT                        | <1.0               |
| 9/4/2020  | NT                                     | NT  | NT                        | <1.0               |
| 3/6/2021  | NT                                     | NT  | NT                        | <1.0               |
| 9/7/2021  | NT                                     | NT  | NT                        | <1.0               |
| 3/28/2022 | NT                                     | NT  | NT                        | <1.0               |
| 9/14/2022 | NT                                     | NT  | NT                        | <1.0               |
| 3/20/2023 | NT                                     | NT  | NT                        | <1.0               |
| 9/12/2023 | <1.0                                   | <6  | <0.05                     | <1.0               |
| 3/12/2024 | <1.0                                   | <6  | <0.05                     | <1.0               |
| 9/30/2024 | NT                                     | NT  | NT                        | <1.0               |

NT = Not Tested

VOC = Appendix I volatile organic compounds

During full Appendix II sampling events (September, 2017; September, 2018; and September, 2023) the compounds detected at MW96-21 are limited to those exclusive to the Appendix I list. There is no required on-going semi-annual assessment compounds required at MW96-21 beyond the Appendix I list in accordance with IAC 567-113.10(6)"d"2. The next full Appendix II sample collection at MW96-21 on the approved five (5) year schedule is due in March, 2029.

## STATISTICALLY SIGNIFICANT LEVELS (SSL)

The detections that exceed site prediction limits are utilized to calculate the Confidence Interval (the 95% lower confidence limits (LCL) and the 95% upper control limits (UCL)) 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 SSL Evaluation for 2024 is based on data collected since September, 2014 and is included in Appendix D.5. The Confidence Intervals (95% LCL and 95% UCL) are calculated during each statistical evaluation based on the most recent four (4) data points. The Confidence Intervals below are restricted to the March, 2016 values and more recent. 95% LCL Values that exceed a corresponding GWPS are highlighted in yellow in Appendix D.5. Note that the brown highlights in Appendix D.5 indicate compound detections that exceed the prediction limit (SSI).

Identified SSL at the site include:

MW98-25 - cobalt  
GU-3 - benzene

The 95% LCL values for VOC compounds at corrective action monitoring well MW98-25 are also below the Statewide Standards published in IAC 567, Chapter 137. The 95% LCL values for inorganic compounds at corrective action monitoring well MW98-25 are also below the GWPS, *with the exception of cobalt*. Since 2017 (March), the 95% LCL value for cobalt at MW98-25 has exceeded Site-Specific GWPS (7.0 ug/L) and represents an SSL at the site.

The impact to MW98-25 was delineated in 2006 and the corrective measure (SRAMP-1) was installed in 2008. The 95% LCL values for both inorganic compounds and VOC compounds at corrective action monitoring point SRAMP-1 are below the GWPS. MW98-25 is further evaluated in the sections that follow.

Corrective Action point GU-3 *does not* demonstrate 95% LCL values that exceed a GWPS with the exception of benzene (2024). As discussed previously, the discharge from GU-3 is remedied in the PECS constructed below GU-3.

The 95% LCL values for both inorganic compounds and VOC compounds at assessment monitoring well MW96-21 are below the applicable GWPS. The designation of MW96-21 as an 2024 AWQR

assessment monitoring point is included in Table 1 (Section 1.0) and will be carried forward in 2025.

## PASSIVE ENGINEERED CONVEYANCE SYSTEM PERFORMANCE

There are two (2) PECS in-place at this facility, SRAMP-2 and PECS-3. VOC analyses performed in 2024 at both PECS are summarized below:

### SRAMP-2 Evaluation

| Compounds<br>(Historically Detected) | Detected at SRAMP-1            |                             | PECS Performance at SRAMP-2    |                             |
|--------------------------------------|--------------------------------|-----------------------------|--------------------------------|-----------------------------|
|                                      | Results<br>3/12/2024<br>(ug/L) | Results 9/30/2024<br>(ug/L) | Results<br>3/12/2024<br>(ug/L) | Results 9/30/2024<br>(ug/L) |
| 1,1-dichloroethane                   | Dry                            | Dry                         | <1                             | Dry                         |
| 1,4-dichlorobenzene                  | Dry                            | Dry                         | <1                             | Dry                         |
| acetone                              | Dry                            | Dry                         | <10                            | Dry                         |
| benzene                              | Dry                            | Dry                         | <1                             | Dry                         |
| chlorobenzene                        | Dry                            | Dry                         | <1                             | Dry                         |
| chloroethane                         | Dry                            | Dry                         | <1                             | Dry                         |
| cis-1,2-dichloroethylene             | Dry                            | Dry                         | <1                             | Dry                         |
| dichlorofluoromethane                | Dry                            | Dry                         | <1                             | Dry                         |
| ethylbenzene                         | Dry                            | Dry                         | <1                             | Dry                         |
| trichlorofluoromethane               | Dry                            | Dry                         | <1                             | Dry                         |
| vinyl chloride                       | Dry                            | Dry                         | <1                             | Dry                         |

### PECS-3 Evaluation

| Compounds<br>(Historically Detected) | Detected at GU-3               |                                |                                | PECS Performance at PECS-3     |                                |                                |
|--------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                                      | Results<br>3/12/2024<br>(ug/L) | Results<br>9/30/2024<br>(ug/L) | Results<br>12/9/2024<br>(ug/L) | Results<br>3/12/2024<br>(ug/L) | Results<br>9/30/2024<br>(ug/L) | Results<br>12/9/2024<br>(ug/L) |
| 1,1-dichloroethane                   | Submerged                      | <1.0                           | <1.0                           | Submerged                      | <1.0                           | <1.0                           |
| 1,4-dichlorobenzene                  | Submerged                      | <1.0                           | <b>1.2</b>                     | Submerged                      | <1.0                           | <1.0                           |
| benzene                              | Submerged                      | <b>6.0</b>                     | <b>7.8</b>                     | Submerged                      | <1.0                           | <1.0                           |
| chlorobenzene                        | Submerged                      | <b>1.3</b>                     | <b>1.8</b>                     | Submerged                      | <1.0                           | <1.0                           |
| chloroethane                         | Submerged                      | <b>1.1</b>                     | <b>1.1</b>                     | Submerged                      | <1.0                           | <1.0                           |
| cis-1,2-dichloroethylene             | Submerged                      | <b>4.3</b>                     | <b>6.0</b>                     | Submerged                      | <1.0                           | <1.0                           |
| dichlorofluoromethane                | Submerged                      | <1.0                           | <1.0                           | Submerged                      | <1.0                           | <1.0                           |
| ethylbenzene                         | Submerged                      | <1.0                           | <1.0                           | Submerged                      | <1.0                           | <1.0                           |
| trichlorofluoromethane               | Submerged                      | <1.0                           | <1.0                           | Submerged                      | <1.0                           | <1.0                           |
| vinyl chloride                       | Submerged                      | <b>1.2</b>                     | <b>1.8</b>                     | Submerged                      | <1.0                           | <2.0                           |
| acetone                              | Submerged                      | <10.0                          | <10.0                          | Submerged                      | <10.0                          | <b>508.*</b>                   |
| 2-Butanone (MEK)                     | Submerged                      | <10.0                          | <10.0                          | Submerged                      | <10.0                          | <b>606.*</b>                   |
| toluene                              | Submerged                      | <1.0                           | <1.0                           | Submerged                      | <1.0                           | <b>2.0*</b>                    |

\* A resample is required to verify the acetone, MEK, or toluene detections (prior to March 9, 2025)

VOC were undetected at the end of SRAMP #2 (the PECS) and demonstrate that SRAMP-2 is capable of remediating the VOC compounds detected at SRAMP-1 and that the PECS performed sufficiently in 2024.

The end of pipe at GU-3 and the PECS below GU-3 (PECS-3) were both submerged by water and/or sediment in 2023 and in March, 2024. The sediment that filled the sedimentation basin 2024 AWQR

was removed on August 28, 2024 (Doc #110773) resulting in additional sediment storage below GU-3 and PECS-3 and lowering of the water surface that was previously backed-up and submerging the sampling point at the end of GU-3 and/or PECS-3.

GU-3 was sampled on September 30, 2024, and again on December 9, 2024. There were six (6) VOC compounds detected in GU-3 on September 30, 2024, and/or December 9, 2024. There were no VOC detected in PECS-3 on September 30, 2024, and indicate that the PECS is functioning properly. On December 9, 2024, acetone, 2-butanone (MEK), and toluene were detected in PECS-3 at elevated concentrations, however, the compounds were not detected in the parent discharge from GU-3. A resample will be collected at PECS-3 to verify the acetone, 2-butanone (MEK), and toluene results reported for the December 9, 2024, sample. The findings will then be reported upon receipt of the laboratory data.

## **ASSESSMENT OF CORRECTIVE MEASURES**

Assessment of Corrective Measures has not been required at this site to date.

The historic detected concentrations of compounds at MW98-25 exceeded groundwater protection standards and resulted in the construction of the groundwater collection trench along the north side of the site in 2008 and installation of two (2) leachate extraction wells in the closed landfill. Additionally, delineation wells and step-out corrective action monitoring wells MW06-37, MW06-38, and MW06-39 were installed to monitor the effectiveness of the remedial system. SRAMP 1 (the collection tile outlet), SRAMP-2 (the Passive Engineered Conveyance System outlet), MW98-25, MW06-37, MW06-38, and MW06-39 are designated as Corrective Action monitoring points.

Discharge to the Passive Engineered Conveyance System (SRAMP-2) was approved by IDNR in Permit Amendment #8 dated October 28, 2013. SRAMP-2 performed effectively as demonstrated in the section above.

Based on the recorded VOC SSI/SSL at GU-3 a passive engineered conveyance structure was constructed below the GU-3 discharge and the performance of the PECS is monitored at PECS-3. PECS-3 performed effectively in 2021 and 2022, was submerged in 2023, and performed effectively in September, 2024.

## **CORRECTIVE MEASURES MONITORING SUMMARY**

Full Appendix II assessment monitoring has been completed at corrective action monitoring points SRAMP 1 (2 episodes), MW98-25 (6 episodes), MW06-37 (3 episodes), MW06-38 (3 episodes), and MW06-39 (3 episodes). The full Appendix II sampling episode dates at each listed well are summarized in Table 1.

Full Appendix II assessment monitoring is performed in conformance with Special Provision X.4.e of the SDP Permit. The on-going semi-annual corrective action monitoring includes full Appendix I plus dichlorodifluoromethane at MW98-25, SRAMP -1 and SRAMP-2.

Corrective Action monitoring under IAC 567-113.10(9) includes no requirement for full Appendix II re-sampling, except at the point of compliance well (MW98-25, in this case).

The detected compounds in the full Appendix II list (beyond the Appendix I list) at corrective action monitoring points MW98-25, SRAMP #1, MW06-37, MW06-38, and MW06-39 are limited to dichlorodifluoromethane, bis(2-ethylhexyl) phthalate, beta (BHC), and some VOC. The tables below summarize corrective action monitoring detections for Appendix II parameters beyond the Appendix I list. Full Appendix II sample collection events are highlighted in green.

**SRAMP #1**

| <b>Date</b> | <b>dichlorodifluoromethane<br/>ug/L</b> | <b>bis(2-ethylhexyl)phthalate<br/>ug/L</b> | <b>beta (BHC)<br/>ug/L</b> | <b>VOC<br/>(yes/ND)</b> |
|-------------|---|--|----------------------------|-------------------------|
| 3/17/2008   | NT                                      | NT   | NT                         | NT                      |
| 6/4/2008    | NT                                      | NT   | NT                         | NT                      |
| 7/22/2008   | NT                                      | NT   | NT                         | <b>yes</b>              |
| 9/12/2008   | NT                                      | NT   | NT                         | <b>yes</b>              |
| 12/11/2008  | NT                                      | NT   | NT                         | <b>yes</b>              |
| 3/4/2009    | NT                                      | NT   | NT                         | <b>yes</b>              |
| 9/21/2009   | <b>20.4</b>                             | <6   | <0.05                      | <b>yes</b>              |
| 3/25/2010   | NT                                      | NT   | NT                         | NT                      |
| 9/25/2010   | <b>7.6</b>                              | <6   | <0.05                      | <b>yes</b>              |
| 3/30/2011   | NT                                      | NT   | NT                         | <b>yes</b>              |
| 9/15/2011   | NT                                      | NT   | NT                         | <b>yes</b>              |
| 3/7/2012    | <b>1.1</b>                              | <6   | <0.05                      | <b>yes</b>              |
| 9/12/2012   | <b>2.2</b>                              | <6   | <0.05                      | ND                      |
| 3/20/2013   | <b>9.5</b>                              | <6   | <0.05                      | <b>yes</b>              |
| 9/27/2013   | <b>20.3</b>                             | <6   | <0.05                      | <b>yes</b>              |
| 3/14/2014   | <1.0                                    | <6   | <0.05                      | ND                      |
| 9/19/2014   | <1.0                                    | <6   | <0.05                      | ND                      |
| 3/17/2015   | <b>16.7</b>                             | <6   | <0.05                      | <b>yes</b>              |
| 9/11/2015   | <b>40.6</b>                             | <6   | <0.05                      | <b>yes</b>              |
| 3/16/2016   | <b>16.5</b>                             | <6   | <0.05                      | <b>yes</b>              |
| 9/8/2016    | <b>40.7</b>                             | <6   | <0.05                      | <b>yes</b>              |
| 3/18/2017   | <b>34.8</b>                             | <6   | <0.05                      | <b>yes</b>              |
| 9/19/2017   | <b>3.1</b>                              | <6   | <0.05                      | <b>yes</b>              |
| 3/8/2018    | Dry                                     | Dry  | Dry                        | Dry                     |
| 9/24/2018   | Dry                                     | Dry  | Dry                        | Dry                     |
| 3/25/2019   | <b>38.4</b>                             | NT   | NT                         | <b>yes</b>              |
| 9/3/2019    | <1.0                                    | NT   | NT                         | <b>yes</b>              |
| 3/26/2020   | NT                                      | NT   | NT                         | NT                      |
| 9/4/2020    | NT                                      | NT   | NT                         | NT                      |
| 3/6/2021    | <b>50.7</b>                             | NT   | NT                         | <b>yes</b>              |
| 9/7/2021    | Dry                                     | Dry  | Dry                        | Dry                     |
| 3/28/2022   | <b>12.2</b>                             | NT   | NT                         | <b>yes</b>              |
| 9/14/2022   | Dry                                     | Dry  | Dry                        | Dry                     |
| 3/20/2023   | <b>18.5</b>                             | NT   | NT                         | <b>yes</b>              |
| 9/12/2023   | Dry                                     | Dry  | Dry                        | Dry                     |
| 3/12/2024   | Dry                                     | Dry  | Dry                        | Dry                     |
| 9/30/2024   | Dry                                     | Dry  | Dry                        | Dry                     |

NT = Not Tested

ND = Non-Detected

VOC = Appendix I volatile organic compounds

**SRAMP #2**

| <b>Date</b> | <b>dichlorodifluoromethane<br/>ug/L</b> | <b>bis(2-<br/>ethylhexyl)phthalate<br/>ug/L</b> | <b>beta (BHC)<br/>ug/L</b> | <b>VOC<br/>(yes/ND)</b> |
|-------------|---|---|----------------------------|-------------------------|
| 3/14/2014   | <1.0                                    | <6  | <0.05                      | <b>yes</b>              |
| 6/10/2014   | NT                                      | NT  | NT                         | ND                      |
| 8/7/2014    | NT                                      | NT  | NT                         | ND                      |
| 9/19/2014   | NT                                      | NT  | NT                         | ND                      |
| 11/13/2014  | NT                                      | NT  | NT                         | ND                      |
| 3/17/2015   | NT                                      | NT  | NT                         | ND                      |
| 9/11/2015   | <1.0                                    | <6  | <0.05                      | ND                      |
| 3/16/2016   | <1.0                                    | <6  | <0.05                      | ND                      |
| 9/8/2016    | <1.0                                    | <6  | <0.05                      | ND                      |
| 3/18/2017   | <1.0                                    | <6  | <0.05                      | ND                      |
| 9/19/2017   | dry                                     | dry   | dry                        | dry                     |
| 3/8/2018    | <1.0                                    | NT  | NT                         | ND                      |
| 9/24/2018   | <1.0                                    | NT  | NT                         | ND                      |
| 3/25/2019   | <1.0                                    | NT  | NT                         | ND                      |
| 9/3/2019    | Dry                                     | Dry   | Dry                        | Dry                     |
| 3/26/2020   | <1.0                                    | NT  | NT                         | ND                      |
| 9/4/2020    | <1.0                                    | NT  | NT                         | ND                      |
| 3/6/2021    | <1.0                                    | NT  | NT                         | ND                      |
| 9/7/2021    | Dry                                     | Dry   | Dry                        | Dry                     |
| 3/28/2022   | <1.0                                    | NT  | NT                         | ND                      |
| 9/14/2022   | Dry                                     | Dry   | Dry                        | Dry                     |
| 3/20/2023   | <1.0                                    | NT  | NT                         | ND                      |
| 9/12/2023   | Dry                                     | Dry   | Dry                        | Dry                     |
| 3/12/2024   | <1.0                                    | NT  | NT                         | ND                      |
| 9/30/2024   | Dry                                     | Dry   | Dry                        | Dry                     |

NT = Not Tested

ND = Non-Detected

VOC = Appendix I volatile organic compounds

**MW98-25**

| <b>Date</b> | <b>dichlorodifluoromethane<br/>ug/L</b> | <b>bis(2-<br/>ethylhexyl)phthalate<br/>ug/L</b> | <b>beta (BHC)<br/>ug/L</b> | <b>VOC<br/>(yes/ND)</b> |
|-------------|---|---|----------------------------|-------------------------|
| 3/17/2008   | NT                                      | NT  | NT                         | yes                     |
| 6/4/2008    | NT                                      | NT  | NT                         | yes                     |
| 7/22/2008   | 6.2                                     | <6.0  | <0.05                      | yes                     |
| 9/12/2008   | 2.6                                     | <6.0  | 0.14                       | yes                     |
| 12/11/2008  | <1.0                                    | 13.0  | <0.05                      | yes                     |
| 3/4/2009    | 21.6                                    | <6.0  | <0.05                      | yes                     |
| 9/21/2009   | 16.6                                    | <6.0  | <0.05                      | yes                     |
| 3/25/2010   | 34.6                                    | <6.0  | <0.05                      | yes                     |
| 9/25/2010   | 28.2                                    | <6.0  | <0.05                      | yes                     |
| 3/30/2011   | 32.0                                    | <6.0  | <0.05                      | yes                     |
| 9/15/2011   | 12.6                                    | <6.0  | <0.05                      | yes                     |
| 3/7/2012    | 34.5                                    | <6.0  | <0.05                      | yes                     |
| 9/12/2012   | 4.2                                     | <6.0  | <0.05                      | yes                     |
| 3/20/2013   | 13.0                                    | <6.0  | <0.05                      | yes                     |
| 9/27/2013   | 1.3                                     | 10.0  | <0.05                      | yes                     |
| 3/14/2014   | 1.5                                     | <6.0  | 0.07                       | yes                     |
| 9/19/2014   | 24.3                                    | <6.0  | <0.05                      | yes                     |
| 3/17/2015   | ND                                      | <6.0  | <0.05                      | yes                     |
| 9/11/2015   | 14.7                                    | <6.0  | <0.05                      | yes                     |
| 3/16/2016   | ND                                      | <6.0  | <0.05                      | yes                     |
| 9/8/2016    | 6.6                                     | <6.0  | <0.05                      | yes                     |
| 3/18/2017   | 18.8                                    | <6.0  | <0.05                      | yes                     |
| 9/19/2017   | 6.9                                     | 6.0   | <0.05                      | yes                     |
| 3/8/2018    | 38.4                                    | NT  | NT                         | yes                     |
| 9/24/2018   | 1.6                                     | NT  | NT                         | yes                     |
| 3/25/2019   | 3.8                                     | NT  | NT                         | yes                     |
| 9/3/2019    | <1.0                                    | NT  | NT                         | ND                      |
| 3/26/2020   | 19.4                                    | NT  | NT                         | yes                     |
| 9/4/2020    | 19.4                                    | NT  | NT                         | yes                     |
| 3/6/2021    | 8.6                                     | NT  | NT                         | yes                     |
| 9/7/2021    | 4.8                                     | NT  | NT                         | yes                     |
| 3/28/2022   | 1.7                                     | NT  | NT                         | yes                     |
| 9/14/2022   | <1.0                                    | <6.0  | <0.05                      | ND                      |
| 3/20/2023   | 3.3                                     | NT  | NT                         | yes                     |
| 9/12/2023   | 2.1                                     | NT  | NT                         | yes                     |
| 3/12/2024   | <1.0                                    | NT  | NT                         | yes                     |
| 9/30/2024   | <1.0                                    | NT  | NT                         | yes                     |

NT = Not Tested

ND = Non-Detected

VOC = Appendix I volatile organic compounds

**MW06-37 and MW06-38 and MW06-39**

| <b>Date</b> | <b>dichlorodifluoromethane<br/>ug/L</b> | <b>bis(2-<br/>ethylhexyl)phthalate<br/>ug/L</b> | <b>beta (BHC)<br/>ug/L</b> | <b>VOC<br/>(yes/ND)</b> |
|-------------|---|---|----------------------------|-------------------------|
| 3/17/2008   | NT                                      | NT  | NT                         | ND                      |
| 6/4/2008    | NT                                      | NT  | NT                         | ND                      |
| 7/22/2008   | <1                                      | <6  | <0.05                      | ND                      |
| 9/12/2008   | <1                                      | <6  | <0.05                      | ND                      |
| 12/11/2008  | <1                                      | <6  | <0.05                      | ND                      |
| 3/4/2009    | NT                                      | NT  | NT                         | ND                      |
| 9/21/2009   | NT                                      | NT  | NT                         | ND                      |
| 3/25/2010   | NT                                      | NT  | NT                         | ND                      |
| 9/25/2010   | NT                                      | NT  | NT                         | ND                      |
| 3/30/2011   | NT                                      | NT  | NT                         | ND                      |
| 9/15/2011   | NT                                      | NT  | NT                         | ND                      |
| 3/7/2012    | NT                                      | NT  | NT                         | ND                      |
| 9/12/2012   | NT                                      | NT  | NT                         | ND                      |
| 3/20/2013   | NT                                      | NT  | NT                         | ND                      |
| 9/27/2013   | NT                                      | NT  | NT                         | ND                      |
| 3/14/2014   | NT                                      | NT  | NT                         | ND                      |
| 9/19/2014   | NT                                      | NT  | NT                         | ND                      |
| 3/17/2015   | NT                                      | NT  | NT                         | ND                      |
| 9/11/2015   | NT                                      | NT  | NT                         | ND                      |
| 3/16/2016   | NT                                      | NT  | NT                         | ND                      |
| 9/8/2016    | NT                                      | NT  | NT                         | ND                      |
| 3/17/2017   | NT                                      | NT  | NT                         | ND                      |
| 9/19/2017   | NT                                      | NT  | NT                         | ND                      |
| 3/8/2018    | NT                                      | NT  | NT                         | ND                      |
| 9/24/2018   | NT                                      | NT  | NT                         | ND                      |
| 3/25/2019   | NT                                      | NT  | NT                         | ND                      |
| 9/3/2019    | NT                                      | NT  | NT                         | ND                      |
| 3/26/2020   | NT                                      | NT  | NT                         | ND                      |
| 9/4/2020    | NT                                      | NT  | NT                         | ND                      |
| 3/6/2021    | NT                                      | NT  | NT                         | ND                      |
| 9/7/2021    | NT                                      | NT  | NT                         | ND                      |
| 3/28/2022   | NT                                      | NT  | NT                         | ND                      |
| 9/14/2022   | NT                                      | NT  | NT                         | ND                      |
| 3/20/2023   | NT                                      | NT  | NT                         | ND                      |
| 9/12/2023   | NT                                      | NT  | NT                         | ND                      |
| 3/12/2024   | NT                                      | NT  | NT                         | ND                      |
| 9/30/2024   | NT                                      | NT  | NT                         | ND                      |

NT = Not Tested

ND = Non-Detected

VOC = Appendix I volatile organic compounds

The HMSP and the existing HMSP monitoring points are interpreted to be effective for on-going detection, assessment, and corrective action system monitoring at the facility.



## CORRECTIVE MEASURES MONITORING EVALUATION

### North Side Corrective Action Improvement System

North Side Corrective Action Improvement System consists of an East-West groundwater collection line immediately north of the waste boundary. Figure 3 illustrates the extent of the groundwater collection line.

As summarized in the tables above, VOC compounds are detected in the groundwater collection trench itself (SRAMP#1) and commonly in the point of compliance corrective action monitoring point (MW98-25) immediately adjacent and downgradient of the North Side Corrective Action Improvement System. Verified VOC compounds have *not* been detected at the sentinel points MW06-37, MW06-38, MW06-39, or in the PECS performance sampling point SRAMP #2, to date.

Review of the detected compounds at SRAMP #1 and MW98-25 indicate that the detected VOC compounds have historically exceeded the GWPS at times.

The VOC detections *above* the Statewide Standard (Appendix F.1) are summarized as:

#### *SRAMP #1*

benzene (9/09, 3/11, 9/13, 9/15, 3/21, 3/23)

#### *MW98-25*

benzene (3/08, 6/08, 7/08, 12/08, 3/09, 9/09, 3/10, 9/10, 3/12, 9/14)

vinyl chloride (3/08, 6/08, 12/08, 3/09)

bis(2-ethylhexyl)phthalate (12/08, 9/13)

The Confidence Interval of Corrective Action Monitoring points are utilized to determine the success of the on-going Corrective Measures. A Corrective Action for a recorded SSL is complete when the 95% UCL value is below the applicable GWPS for a minimum of three (3) years.

The Corrective Action Monitoring Evaluation of the recorded SSL (cobalt at MW98-25) based on the 95% UCL Values is summarized below. The occurrences of the 95% UCL exceeding the GWPS are highlighted in yellow.

| Monitoring Well | Compound | Date    | Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | 95% UCL (ug/L) | GWPS (ug/L) |
|-----------------|----------|---------|---------------|-------------------------|----------------|----------------|-------------|
| MW98-25         | Cobalt   | 3/16/16 | 4.7           | 1.5                     | 0.000          | 26.390         | 4.4         |
| MW98-25         | Cobalt   | 9/8/16  | 29.1          | 1.5                     | 0.000          | 26.390         | 4.4         |
| MW98-25         | Cobalt   | 3/17/17 | 14.6          | 1.5                     | 3.420          | 27.280         | 4.4         |
| MW98-25         | Cobalt   | 9/19/17 | 6.2           | 4.4                     | 0.495          | 26.805         | 4.4         |
| MW98-25         | Cobalt   | 3/8/18  | 10.3          | 4.8                     | 3.317          | 26.783         | 4.8         |
| MW98-25         | Cobalt   | 9/24/18 | 11.6          | 4.8                     | 6.576          | 14.774         | 4.8         |
| MW98-25         | Cobalt   | 3/25/19 | 13.9          | 4.8                     | 6.701          | 14.299         | 4.8         |
| MW98-25         | Cobalt   | 9/3/19  | 8.5           | 4.8                     | 8.402          | 13.748         | 4.8         |
| MW98-25         | Cobalt   | 3/23/20 | 22.2          | 3.2                     | 7.149          | 20.951         | 3.2         |
| MW98-25         | Cobalt   | 9/4/20  | 7.6           | 3.2                     | 5.164          | 20.936         | 3.2         |

|         |        |         |      |     |       |        |     |
|---------|--------|---------|------|-----|-------|--------|-----|
| MW98-25 | Cobalt | 3/9/21  | 11.7 | 3.2 | 4.617 | 20.383 | 3.2 |
| MW98-25 | Cobalt | 9/7/21  | 12.8 | 3.2 | 6.317 | 20.833 | 3.2 |
| MW98-25 | Cobalt | 3/28/22 | 10.9 | 5.8 | 8.115 | 13.385 | 5.8 |
| MW98-25 | Cobalt | 9/14/22 | 19.4 | 7.0 | 9.137 | 18.263 | 7.0 |
| MW98-25 | Cobalt | 3/20/23 | 11.2 | 7.0 | 8.903 | 18.247 | 7.0 |
| MW98-25 | Cobalt | 9/12/23 | 15.2 | 7.0 | 9.473 | 18.877 | 7.0 |
| MW98-25 | Cobalt | 3/12/24 | 10.7 | 7.0 | 9.358 | 18.892 | 7.0 |
| MW98-25 | Cobalt | 9/30/24 | 11.0 | 7.0 | 9.523 | 14.527 | 7.0 |

### *VOC*

There are no recorded SSL for VOC in the past 3 years in the north side collection system, indicating that the remedy is complete for VOC. Benzene remains undetected at SRAMP #2 which is the outfall of the approved Passive Engineered Conveyance System below SRAMP #1 and at MW06-37, MW06-38, or MW06-39, the Corrective Action Step-out Wells.

### *Inorganic Compounds*

SRAMP#1 is the discharge from the actual corrective action collection pipe installed at or near the waste boundary, while MW98-25 is the Point of Compliance Corrective Action Monitoring Well located immediately downgradient of the remedy at the point of compliance.

Assessment statistics prepared for the inorganic compounds at MW98-25 (Table above) indicate that the 95% UCL for cobalt remains above the GWPS indicating the remedy is not yet complete for cobalt.

Cobalt remain well within limits at MW06-37, MW06-38, and MW06-39 (the step-out corrective action monitoring wells to MW98-25).

### *2015 Additional Corrective Measures Feasibility Study*

The Corrective Actions on the north side of the facility described as the Leachate Extraction/Groundwater Collection Project dated February 4, 2008 was accepted by IDNR on July 17, 2008.

On October 29, 2012, a North Side Corrective Action Improvement Plan was submitted to IDNR. This plan was approved by Permit Amendment #8, dated October 28, 2013. The Improvement Plan included the exploratory drilling within the northwest corner of the fill area (a former borrow area) in order to make a determination as to whether leachate extraction from this portion of the landfill would be beneficial. The findings were reported to IDNR May 12, 2015 (Doc# 83373) and additional leachate extraction was not recommended.

### GU-3

Based on the detected VOC at GU-3, this tile line discharge was placed in the Corrective Action Monitoring System and a Passive Engineered Conveyance System (PECS) below the discharge end of GU-3 was constructed on December 29, 2021. Record information for the PECS was submitted to IDNR on May 5, 2022 (Doc #103162). Approval of the PECS and inclusion of the PECS sampling point PECS-3 was approved by IDNR in the Permit Revision (Special Provision X.4.u) on May 17, 2022 (Doc #103223).

The VOC detections *above* the Statewide Standard at GU-3 (Appendix F.1) are summarized as:

benzene (12/21, 3/22, 9/22, 9/24)

vinyl chloride (12/21, 3/22)

Based on the nickel SSI at GU-3 that was verified at the end of 2024, the statistical evaluation of GU-3 will be expanded to include intrawell statistical evaluations in 2025 in lieu of the intrerwell statistical evaluations. This has been an accepted response in cases where the interwell statistical evaluations indicate the GU water quality (23.5 ug/L in this case) exceeds the prediction limit (17.4 ug/L), but is well below the drinking water standard (100 ug/L).

The Confidence Limit Evaluation of the nickel at GU-3 demonstrates that the 95% LCL/95% UCL values are well below the GWPS as summarized below. There are no occurrences of nickel 95%LCL or 95% UCL exceeding the GWPS and therefore, SSL are not documented at GU-3.

| Monitoring Well | Compound | Date    | Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | 95% UCL (ug/L) | GWPS (ug/L) |
|-----------------|----------|---------|---------------|-------------------------|----------------|----------------|-------------|
| GU-3            | Nickel   | 9/13/21 | 15.2          | 17.4                    | ---            | ---            | 100.0       |
| GU-3            | Nickel   | 12/3/21 | 12.4          | 17.4                    | ---            | ---            | 100.0       |
| GU-3            | Nickel   | 3/28/22 | 12.7          | 17.4                    | ---            | ---            | 100.0       |
| GU-3            | Nickel   | 9/15/22 | 21.1          | 17.4                    | 11.857         | 18.843         | 100.0       |
| GU-3            | Nickel   | 3/20/23 | submerged     | 17.4                    | 11.857         | 18.843         | 100.0       |
| GU-3            | Nickel   | 9/12/23 | submerged     | 17.4                    | 11.857         | 18.843         | 100.0       |
| GU-3            | Nickel   | 3/12/24 | submerged     | 17.4                    | 11.857         | 18.843         | 100.0       |
| GU-3            | Nickel   | 9/30/24 | 36.8          | 17.4                    | 7.300          | 34.200         | 100.0       |
| GU-3            | Nickel   | 12/9/24 | 23.5          | 17.4                    | 7.300          | 34.200         | 100.0       |

The Corrective Action Monitoring Evaluation of the recorded VOC SSL (benzene at GU-3) is based on the successful removal of benzene in the PECS (documented benzene removal at PECS-3).

### MONITORING WELL MAINTENANCE PERFORMANCE EVALUATION

The HMSP and the existing HMSP monitoring points are interpreted to be effective for on-going detection, assessment, and corrective action system monitoring at the facility. Monitoring Well Maintenance Performance Reevaluation activities associated with the HMSP monitoring wells are discussed in the information presented in Appendix A.

### LEACHATE COLLECTION SYSTEM PERFORMANCE EVALUATION

See Appendix G.

### GAS MONITORING EVALUATION

See Appendix H.

## Section 4.0 Recommendations

It is recommended that the detection monitoring continue to be performed on a semi-annual basis at the detection monitoring points listed in Table 1 of Section 1.0.

It is recommended that the assessment monitoring continue to be performed on a semi-annual basis at assessment monitoring point MW96-21. It is recommended that SRAMP#1 and GU-3 continue to be discharged to the respective Passive Engineered Conveyance System (PECS) for treatment.

It is recommended that underdrain discharges (GU-1 (aka GWD-1), GU-3, and GU-4) at this site be evaluated by intrawell statistical evaluations moving forward.

It is recommended that Corrective Action Monitoring at MW98-25, MW06-37, MW06-38, MW06-39, SRAMP #2, and PEC-3 continue to be performed on a semi-annual basis. Further, the Corrective Action System should be evaluated at the end of 2025 to determine whether the Upper Confidence Interval (95% UCL) for cobalt at MW98-25 decreases to a value below the GWPS. The assessment statistics should be summarized for each semi-annual collection episode and should continue to include a running summary of the 95% LCL/UCL values moving forward.

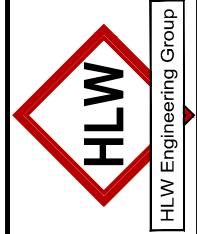
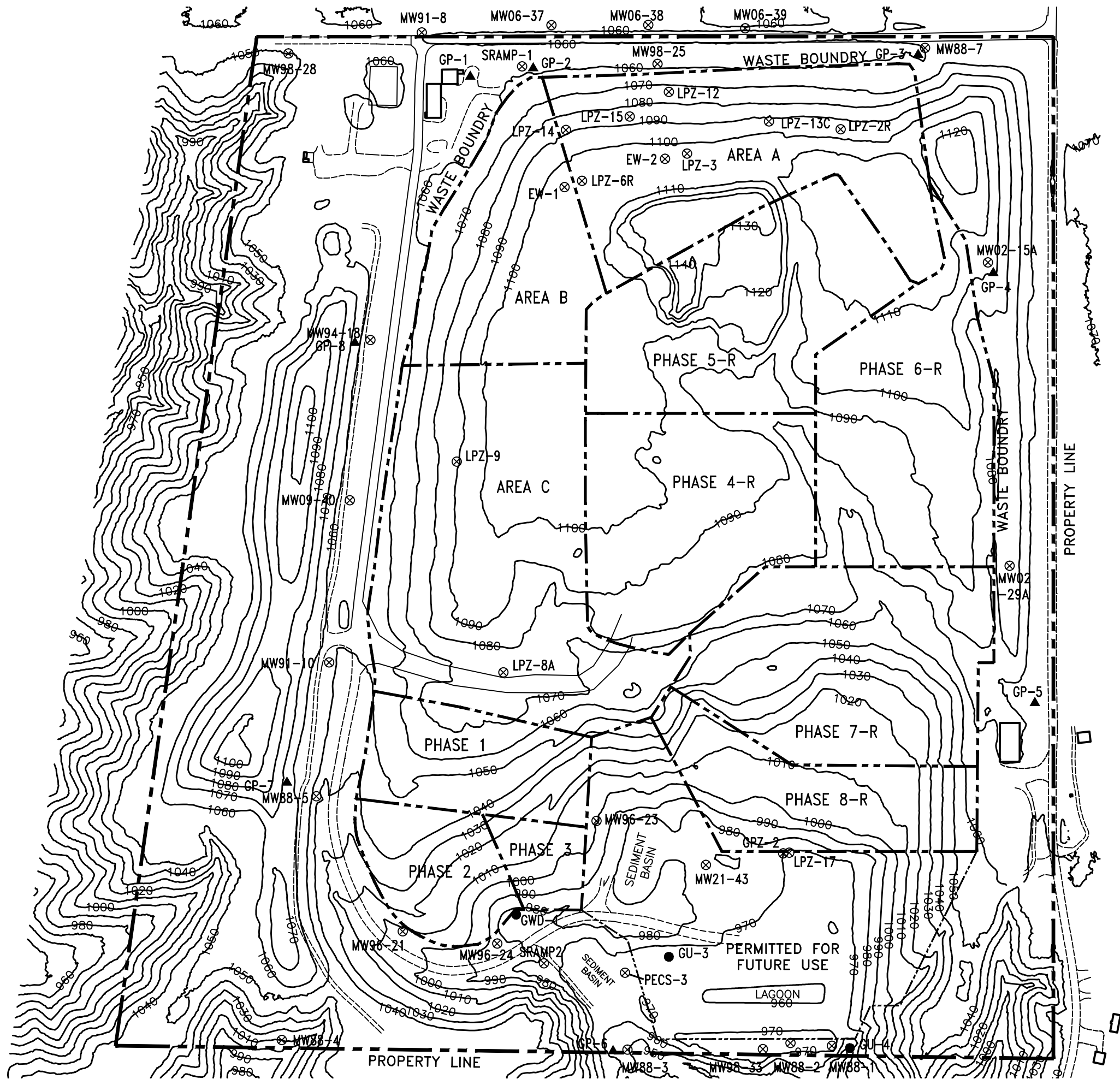
The PECS Performance should be evaluated based on the results of testing from SRAMP#2 and PECS-3.

The sediment filling the sedimentation basin needs to be routinely monitored and routinely removed to maintain the sediment storage that is available. If so, the sampling point at the end of PECS-3 will not be submerged.

It is recommended that the prediction limits for arsenic (50.6 ug/L), for cobalt (7.0 ug/L), and for vanadium (40.6 ug/L) be utilized as the Site-Specific GWPS. For all other compounds, it is recommended that the published IAC 567, Chapter 137 Statewide Standard be utilized as the GWPS.

## Figures

0 100 200 400  
WASTE AREA SURVEY MAY 7, 2024



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**SITE PLAN**  
BOONE COUNTY SANITARY LANDFILL  
BOONE, IOWA

**FIGURE: 1**

| REVISION | NO.  | DATE        |
|----------|------|-------------|
| DRAWN    | 6007 | PROJECT NO. |
| DRA      |      | DATE        |
|          |      | 12-18-24    |

WATER ELEVATION, SEPTEMBER 30, 2024

| WELL     | ELEV.   | WELL    | ELEV.   |
|----------|---------|---------|---------|
| MW88-2   | 954.11  | MW06-39 | 1051.72 |
| MW88-3   | 943.85  | MW09-40 | 1044.35 |
| MW88-5   | 999.70  | MW21-43 | 958.16  |
| MW88-7   | 1052.89 | LPZ-2R  | 1056.60 |
| MW91-8   | 1051.59 | LPZ-3   | 1078.97 |
| MW91-10  | 1041.77 | LPZ-6R  | 1039.83 |
| MW94-18  | 1047.35 | LPZ-8A  | 1032.29 |
| MW96-21  | 923.40  | LPZ-9   | 1064.98 |
| MW96-23  | 957.53  | LPZ-12  | 1052.33 |
| MW96-24  | 923.65  | LPZ-13C | 1065.50 |
| MW98-25  | 1052.10 | LPZ-14  | 1054.65 |
| MW02-15A | 1057.66 | LPZ-15  | 1054.12 |
| MW02-29A | 1058.53 | EW-1    | 1030.97 |
| MW06-37  | 1051.31 | EW-2    | 1031.82 |
| MW06-38  | 1051.43 |         |         |

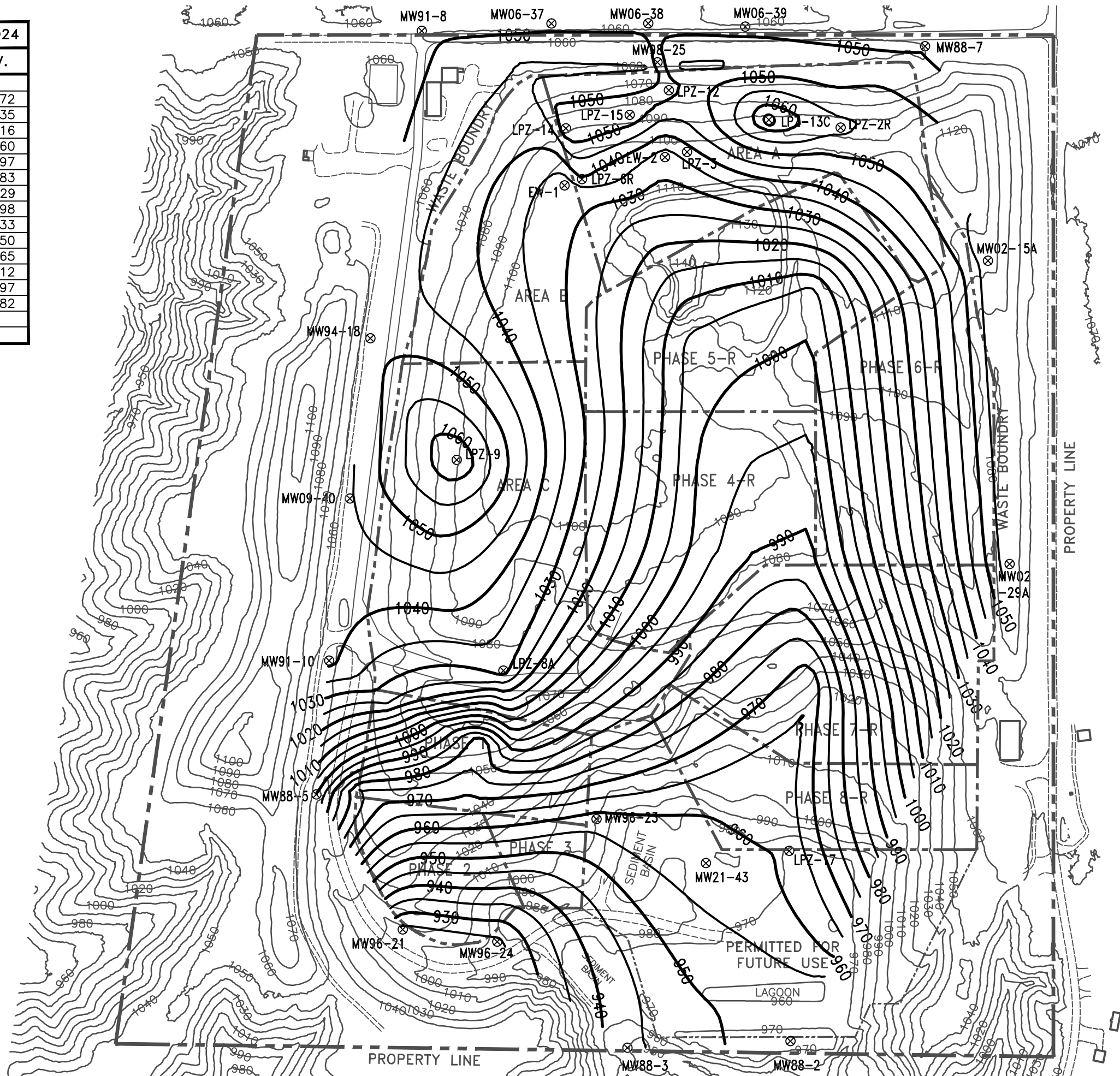


FIGURE: 2

GROUNDWATER CONTOURS  
BOONE COUNTY SANITARY LANDFILL  
BOONE, IOWA

HLW Engineering Group  
204 West Broad Street, P.O. Box 314  
Story City, Iowa 50248  
Phone: (515) 733-4144  
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| REVISION | NO.  | DATE     |
|----------|------|----------|
| DRAWN    | 6007 | 12-18-24 |
| DRA      |      |          |

Appendix A  
Monitoring Well Maintenance and  
Performance Re-evaluation



**MONITORING WELL MAINTENANCE AND  
PERFORMANCE REEVALUATION**

The table below outlines the status of well performance and maintenance activities as required by IAC 567-113.10(2) f.

| Years                                      | 1996 | 2001 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|--|------|------|------|------|------|------|------|------|------|
| Annual water-quality report                | X    | X    | X    | X    | X    | X    | X    | X    | X    |
| High and low water levels                  | X    | X    | X    | X    | X    | X    | X    | X    | X    |
| Six-month water levels                     | X    | X    | X    | X    | X    | X    | X    | X    | X    |
| Well-depth measurement                     | X    | X    | X    | X    | X    | X    | X    | X    | X    |
| Evaluation of recharge rates and chemistry | X    | X    | X    |      |      | X    | X    |      | X    |

X, completed; O, scheduled

| Years                                      | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|------|------|------|------|------|------|------|------|------|
| Annual water-quality report                | X    | X    | X    | X    | X    | X    | X    | X    | X    |
| High and low water levels                  | X    | X    | X    | X    | X    | X    | X    | X    | X    |
| Six-month water levels                     | X    | X    | X    | X    | X    | X    | X    | X    | X    |
| Well-depth measurement                     | X    | X    | X    | X    | X    | X    | X    | X    | X    |
| Evaluation of recharge rates and chemistry |      | X    |      | X    |      | X    |      | X    |      |

| Years                                      | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 |
|--|------|------|------|------|------|------|------|------|------|
| Annual water-quality report                | X    | X    | X    | O    | O    | O    | O    | O    | O    |
| High and low water levels                  | X    | X    | X    | O    | O    | O    | O    | O    | O    |
| Six-month water levels                     | X    | X    | X    | O    | O    | O    | O    | O    | O    |
| Well-depth measurement                     | X    | X    | X    | O    | O    | O    | O    | O    | O    |
| Evaluation of recharge rates and chemistry | X    |      | X    |      | O    |      | O    |      | O    |

Monitoring Well Performance Evaluation Reports dated June 19, 1996, March 5, 2001, and April 7, 2006 were prepared and submitted in accordance with previous rules (prior to 2007). The 2006 Report concluded that the integrity of all MW's was intact, and that no changes in the HMSP were recommended. Since 2007, monitoring well reevaluation has been performed in accordance with IAC 567-113.10(2)"f."

Water elevation data is summarized in Appendix A.1. Review of the water elevation data for 2024 does not indicate excessive variability compared to historic water elevation data. A Groundwater Contour Map dated September, 2024 is included in the body of this report as Figure 2. The Groundwater Contour Map illustrates the water table surface and the effects of the groundwater diversion system in Phase 4-R/5-R/6-R/7-R/8-R Expansion Areas.

The water elevation data summarized in Appendix A.1 includes calculation of the average water elevation at each monitoring well and identifies both the maximum and minimum recorded water elevation at each monitoring well.

Based on the apparent static condition of the water table across the site, the conclusions of the previous Monitoring Well Maintenance Performance Reevaluations, 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.

Monitoring well recharge reevaluation is due biennially according to 113.10(2)f. and was performed March 12, 2024.

Wells were pumped on March 12, 2024 and well recovery data was recorded during recharge. Review of the recovery data indicate that the wells recover to 90%, or more, within a 12 to 24-hour period following pumping activities. This is unchanged over time.

The recorded sedimentation in each well is recorded to be 1.0 ft or less based on well depth measurements, with the following exceptions:

| <u>Well</u> | <u>Feet of Sediment 9/30/2024</u> |
|-------------|-----------------------------------|
| MW96-21     | 1.50                              |
| MW96-23     | 1.79                              |
| MW96-24     | 3.22                              |
| MW98-28     | 3.47                              |

#### Summary

Based on the recorded data, recharge to the individual wells remains sufficient to promote collection of representative water quality samples and the wells are functioning as intended. It is our interpretation that the integrity of all existing monitoring wells is intact.

## APPENDIX A.1 Water Elevation Data

Water Level Data  
Boone County Sanitary Landfill

| Well/TOC   | MW85-2      | 1055 MW88-1     | 974.1 MW88-2<br>973.8 | 974.47 MW88-3<br>975.41 | 952.93 MW88-4 | 1007.58         |
|------------|-------------|-----------------|-----------------------|-------------------------|---------------|-----------------|
|            | Water Depth | Water Elevation | Water Depth           | Water Elevation         | Water Depth   | Water Elevation |
| 12/07/88   |             |                 | 34.11                 | 939.99                  | 19.41         | 955.06          |
| 05/31/89   | 14.95       | 1040.05         | 35.00                 | 939.1                   | 19.50         | 954.97          |
| 06/05/89   | 15.00       | 1040            | 34.30                 | 939.8                   | 19.50         | 954.97          |
| 09/13/89   | 16.00       | 1039            | 35.00                 | 939.1                   | 20.33         | 954.14          |
| 03/27/90   | 13.60       | 1041.4          | 34.66                 | 939.44                  | 19.67         | 954.8           |
| 04/06/90   | 12.92       | 1042.08         | 34.75                 | 939.35                  | 19.50         | 954.97          |
| 09/20/90   | 10.20       | 1044.8          | 34.10                 | 940                     | 19.40         | 955.07          |
| 04/17/91   | 7.30        | 1047.7          | 33.70                 | 940.4                   | 17.30         | 957.17          |
| 09/25/91   | 11.80       | 1043.2          | 34.33                 | 939.77                  | 19.70         | 954.77          |
| 01/10/92   | 9.40        | 1045.6          | 34.05                 | 940.05                  | 19.05         | 955.42          |
| 01/17/92   |             |                 |                       |                         |               |                 |
| 01/24/92   |             |                 |                       |                         |               |                 |
| 01/31/92   |             |                 |                       |                         |               |                 |
| 02/07/92   |             |                 |                       |                         |               |                 |
| 02/21/92   |             |                 |                       |                         |               |                 |
| 03/02/1992 | 8.80        | 1046.2          | 33.93                 | 940.17                  | 18.38         | 956.09          |
| 03/13/92   | 7.20        | 1047.8          | 33.80                 | 940.3                   | 17.70         | 956.77          |
| 03/27/92   | 8.40        | 1046.6          | 34.00                 | 940.1                   | 18.40         | 956.07          |
| 04/26/92   | 7.60        | 1047.4          | 33.95                 | 940.15                  | 17.90         | 956.57          |
| 09/22/92   | 10.00       | 1045            | 33.70                 | 940.4                   | 19.00         | 955.47          |
| 06/11/93   | 7.75        | 1047.25         | 33.50                 | 940.6                   | 17.50         | 956.97          |
| 09/30/93   | 7.90        | 1047.1          | 33.00                 | 941.1                   | 17.50         | 956.97          |
| 12/09/93   | 10.40       | 1044.6          | 33.40                 | 940.7                   | 19.00         | 955.47          |
| 04/07/94   | 11.45       | 1043.55         |                       |                         |               |                 |
| 05/23/94   |             |                 |                       |                         |               |                 |
| 06/06/94   |             |                 |                       |                         |               |                 |
| 06/08/94   |             |                 |                       |                         |               |                 |
| 09/21/94   | 12.34       | 1042.66         | 33.60                 | 940.5                   | 19.16         | 955.31          |
| 11/01/94   | 10.80       | 1044.2          | 33.40                 | 940.7                   | 18.60         | 955.87          |
| 12/05/94   | 11.86       | 1043.14         | 33.70                 | 940.4                   | 19.22         | 955.25          |
| 03/02/95   | 12.30       | 1042.7          | 33.77                 | 940.33                  | 19.10         | 955.37          |
| 06/22/95   | 9.20        | 1045.8          | 33.64                 | 940.46                  | 18.37         | 956.1           |
| 09/13/95   | 10.62       | 1044.38         | 33.94                 | 940.16                  | 18.8          | 955.67          |
| 03/21/96   | 12.75       | 1042.25         | 34.15                 | 939.95                  | 18.7          | 955.77          |
| 05/03/96   |             |                 |                       |                         |               |                 |
| 09/03/96   | 10.5        | 1044.5          |                       |                         |               |                 |
| 01/06/1997 | 9.2         | 1045.8          | 34                    | 940.1                   | 18.2          | 956.27          |
| 03/19/1997 | 9.28        | 1045.72         | 33.75                 | 940.35                  | 17.15         | 957.32          |
| 06/18/1997 |             |                 |                       |                         |               |                 |
| 09/01/1997 | 12.2        | 1042.8          | 34                    | 940.1                   | 19            | 955.47          |
| 03/03/1998 | 11.35       | 1043.65         | 33.6                  | 940.5                   | 18            | 956.47          |
| 07/30/1998 | NT          | NT              | NT                    | NT                      | 17.2          | 957.27          |
| 08/25/1998 | NT          | NT              | NT                    | NT                      | 18.5          | 955.97          |
| 09/15/1998 | NT          | NT              | NT                    | NT                      | 18.6          | 955.87          |
| 10/29/1999 | NT          | NT              | NT                    | NT                      | 19.27         | 955.2           |
| 12/27/1999 | NT          | NT              | NT                    | NT                      | 19.3          | 955.17          |
| 03/14/2000 | 12.4        | 1042.6          | 33.9                  | 940.2                   | 19.1          | 955.37          |
| 06/29/2000 | NT          | NT              | NT                    | NT                      | NT            | NT              |
| 09/18/2000 | 13.9        | 1041.1          | 34.42                 | 939.68                  | 19.7          | 954.77          |
| 12/20/2000 | NT          | NT              | NT                    | NT                      | NT            | NT              |
| 02/08/2001 | NT          | NT              | NT                    | NT                      | NT            | NT              |
| 03/22/2001 | NT          | NT              | NT                    | NT                      | NT            | NT              |
| 09/20/2001 | 13.1        | 1041.9          | 34                    | 940.1                   | 19.4          | 955.07          |
| 03/15/2002 | 13          | 1042            | 34.45                 | 939.65                  | 19.8          | 954.67          |
| 09/16/2002 | 12.9        | 1042.1          | 34.75                 | 939.35                  | 19.8          | 954.67          |
| 03/11/2003 | 13.7        | 1041.3          | 34.98                 | 939.12                  | 19.9          | 954.57          |
| 09/16/2003 | NT          | NT              | NT                    | NT                      | NT            | NT              |
| 03/09/2004 | NT          | NT              | NT                    | NT                      | NT            | NT              |
| 09/14/2004 | NT          | NT              | NT                    | NT                      | NT            | NT              |
| 03/04/2005 | 11.67       | 1043.33         | 34.38                 | 939.72                  | 18.85         | 955.62          |
| 09/15/2005 | 12.57       | 1042.43         | 34.57                 | 939.53                  | 19.88         | 954.59          |
| 02/08/2006 | NT          | NT              | NT                    | NT                      | NT            | NT              |
| 03/29/2006 | 12.38       | 1042.62         | 34.55                 | 939.55                  | 19.7          | 954.77          |
| 09/13/2006 | 11.6        | 1043.4          | 34.5                  | 939.6                   | 19.2          | 955.27          |
| 03/29/2007 | 11.4        | 1043.6          | 34.19                 | 939.91                  | 17.92         | 956.55          |
| 09/13/2007 | 11.55       | 1043.45         | 34                    | 940.1                   | 18.95         | 955.52          |
| 03/17/2008 | 12.05       | 1042.95         | 34.4                  | 939.7                   | 19.1          | 955.37          |
| 06/02/2008 | NT          | NT              | NT                    | NT                      | 16.05         | 958.42          |
| 07/21/2008 | 11          | 1044            | 33.55                 | 940.55                  | 17.8          | 956.67          |
| 09/12/2008 | 11.55       | 1043.45         | 33.9                  | 940.2                   | 18.95         | 955.52          |
| 12/18/2008 | 11.45       | 1043.55         | 34.05                 | 940.05                  | 18.75         | 955.72          |
| 03/04/2009 | 11.75       | 1043.25         | 34                    | 940.1                   | 18.25         | 956.22          |
| 05/04/2009 | NT          | NT              | NT                    | NT                      | NT            | NT              |
| 07/01/2009 | NT          | NT              | NT                    | NT                      | NT            | NT              |
| 09/20/2009 | 12          | 1043            | 33.7                  | 940.4                   | 18.9          | 955.57          |
| 03/26/2010 | 10.4        | 1044.6          | 33.7                  | 940.4                   | 15.75         | 958.72          |
| 09/17/2010 | 11.25       | 1043.75         | NT                    | NT                      | 18.5          | 955.97          |
| 03/29/2011 | 10.4        | 1044.6          | NT                    | NT                      | 18.2          | 956.27          |
| 09/13/2011 | 12.4        | 1042.6          | 33.4                  | 940.4                   | 12.4          | 962.07          |
| 03/06/2012 | 12          | 1043            | 33.7                  | NT                      | 19.4          | 955.07          |
| 09/11/2012 | 16.6        | 1038.4          | 35.15                 | 938.65                  | 19.9          | 954.57          |
| 03/19/2013 | 13.15       | 1041.85         | 34.3                  | 939.5                   | 19.35         | 955.12          |
| 09/26/2013 | 13.6        | 1041.4          | 36.12                 | 937.68                  | 19.11         | 955.36          |
| 03/12/2014 | 14.7        | 1040.3          | 35.5                  | 938.3                   | 19.3          | 955.17          |
| 09/18/2014 | 10.3        | 1044.7          | 34.3                  | 939.5                   | 17.7          | 956.77          |
| 03/17/2015 | 11.45       | 1043.55         | 34.1                  | 939.7                   | 18            | 956.47          |
| 09/11/2015 | 9.8         | 1045.2          | 33.32                 | 940.48                  | 16.7          | 957.77          |
| 03/16/2016 | 10.27       | 1044.73         | 33.3                  | 940.5                   | 15.3          | 959.17          |
| 09/08/2016 | 10.45       | 1044.55         | 33.45                 | 940.35                  | 16.2          | 958.27          |
| 03/17/2017 | 10.25       | 1044.75         | 33.6                  | 940.2                   | 15.55         | 958.92          |
| 09/19/2017 | 12.5        | 1042.5          | 34.1                  | 939.7                   | 18.27         | 956.2           |
| 03/08/2018 | 10.89       | 1044.11         | 33.81                 | 939.99                  | 18.11         | 956.36          |
| 09/24/2018 | 10.07       | 1044.93         | 33.23                 | 940.57                  | 16.17         | 958.3           |
| 03/25/2019 | 10.55       | 1044.45         | 33.49                 | 940.31                  | 14.98         | 959.49          |
| 09/03/2019 | 11.1        | 1043.9          | 33.25                 | 940.55                  | 16.35         | 958.12          |
| 03/23/2020 | 9.3         | 1045.7          | 33.19                 | 940.61                  | 14.68         | 959.79          |
| 09/04/2020 | 12.75       | 1042.25         | 34.33                 | 939.47                  | 18.56         | 955.91          |
| 03/09/2021 | 9.38        | 1045.62         | 33.99                 | 939.81                  | 17.86         | 956.61          |
| 09/07/2021 | 12.21       | 1042.79         | 34.1                  | 939.7                   |               | 8.9             |
| 03/28/2022 | 9.93        | 1045.07         | 35.4                  | 938.4                   | 18.8          | 956.61          |
| 09/14/2022 | 12.41       | 1042.59         | 35.93                 | 937.87                  | 20.69         | 954.72          |
| 03/20/2023 | 11.12       | 1043.88         | 34.95                 | 938.85                  | 19.75         | 955.66          |
| 09/12/2023 | 13.6        | 1041.4          | 36.68                 | 937.12                  | 20.65         | 954.76          |
| 03/12/2024 | 13.06       | 1041.94         | 35.66                 | 938.14                  | 20.41         | 955             |
| 09/30/2024 | 14.56       | 1040.44         | 37.32                 | 936.48                  | 21.3          | 954.11          |

new elevation 8/3/22

|           |        |         |       |        |       |        |        |        |       |        |
|-----------|--------|---------|-------|--------|-------|--------|--------|--------|-------|--------|
| Average   | 11.46  | 1043.55 | 34.19 | 939.79 | 18.46 | 956.08 | 7.81   | 945.12 | 60.44 | 947.15 |
| Std. Dev. | 1.92   | 1.92    | 0.79  | 0.84   | 1.48  | 1.42   | 2.89   | 2.89   | 3.51  | 3.51   |
| Maximum   | 16.80% | 0.18%   | 2.31% | 0.09%  | 8.04% | 0.15%  | 36.98% | 0.31%  | 5.80% | 0.37%  |
| Minimum   | 7.20   | 1038.40 | 33.00 | 936.48 | 12.40 | 954.11 | 3.00   | 925.33 | 57.45 | 926.11 |













Water Level Data  
Boone County Sanitary I

Well/TOC MW21-43 978.29

|            | Water<br>Depth | Water<br>Elevation |
|------------|----------------|--------------------|
| 12/07/88   |                |                    |
| 05/31/89   |                |                    |
| 06/05/89   |                |                    |
| 09/13/89   |                |                    |
| 03/27/90   |                |                    |
| 04/06/90   |                |                    |
| 09/20/90   |                |                    |
| 04/17/91   |                |                    |
| 09/25/91   |                |                    |
| 01/10/92   |                |                    |
| 01/17/92   |                |                    |
| 01/24/92   |                |                    |
| 01/31/92   |                |                    |
| 02/07/92   |                |                    |
| 02/21/92   |                |                    |
| 03/02/1992 |                |                    |
| 03/13/92   |                |                    |
| 03/27/92   |                |                    |
| 04/26/92   |                |                    |
| 09/22/92   |                |                    |
| 06/11/93   |                |                    |
| 09/30/93   |                |                    |
| 12/09/93   |                |                    |
| 04/07/94   |                |                    |
| 05/23/94   |                |                    |
| 06/06/94   |                |                    |
| 06/08/94   |                |                    |
| 09/21/94   |                |                    |
| 11/01/94   |                |                    |
| 12/05/94   |                |                    |
| 03/02/95   |                |                    |
| 06/22/95   |                |                    |
| 09/13/95   |                |                    |
| 03/21/96   |                |                    |
| 05/03/96   |                |                    |
| 09/03/96   |                |                    |
| 01/06/1997 |                |                    |
| 03/19/1997 |                |                    |
| 06/18/1997 |                |                    |
| 09/01/1997 |                |                    |
| 03/03/1998 |                |                    |
| 07/30/1998 |                |                    |
| 08/25/1998 |                |                    |
| 09/15/1998 |                |                    |
| 10/29/1999 |                |                    |
| 12/27/1999 |                |                    |
| 03/14/2000 |                |                    |
| 06/29/2000 |                |                    |
| 09/18/2000 |                |                    |
| 12/20/2000 |                |                    |
| 02/08/2001 |                |                    |
| 03/22/2001 |                |                    |
| 09/20/2001 |                |                    |
| 03/15/2002 |                |                    |
| 09/16/2002 |                |                    |
| 03/11/2003 |                |                    |
| 09/16/2003 |                |                    |
| 03/09/2004 |                |                    |
| 09/14/2004 |                |                    |
| 03/04/2005 |                |                    |
| 09/15/2005 |                |                    |
| 02/08/2006 |                |                    |
| 03/29/2006 |                |                    |
| 09/13/2006 |                |                    |
| 03/29/2007 |                |                    |
| 09/13/2007 |                |                    |
| 03/17/2008 |                |                    |
| 06/02/2008 |                |                    |
| 07/21/2008 |                |                    |
| 09/12/2008 |                |                    |
| 12/18/2008 |                |                    |
| 03/04/2009 |                |                    |
| 05/04/2009 |                |                    |
| 07/01/2009 |                |                    |
| 09/20/2009 |                |                    |
| 03/26/2010 |                |                    |
| 09/17/2010 |                |                    |
| 03/29/2011 |                |                    |
| 09/13/2011 |                |                    |
| 03/06/2012 |                |                    |
| 09/11/2012 |                |                    |
| 03/19/2013 |                |                    |
| 09/26/2013 |                |                    |
| 03/12/2014 |                |                    |
| 09/18/2014 |                |                    |
| 03/17/2015 |                |                    |
| 09/11/2015 |                |                    |
| 03/16/2016 |                |                    |
| 09/08/2016 |                |                    |
| 03/17/2017 |                |                    |
| 09/19/2017 |                |                    |
| 03/08/2018 |                |                    |
| 09/24/2018 |                |                    |
| 03/25/2019 |                |                    |
| 09/03/2019 |                |                    |
| 03/23/2020 |                |                    |
| 09/04/2020 |                |                    |
| 03/09/2021 |                |                    |
| 09/07/2021 |                |                    |
| 03/28/2022 | 21.75          | 956.54             |
| 09/14/2022 | 20.69          | 957.6              |
| 03/20/2023 | 21.2           | 957.09             |
| 09/12/2023 | 20.07          | 958.22             |
| 03/12/2024 | 20.78          | 957.51             |
| 09/30/2024 | 20.13          | 958.16             |

|           |       |        |
|-----------|-------|--------|
| Average   | 20.77 | 957.52 |
| Std. Dev. | 0.58  | 0.58   |
|           | 2.82% | 0.06%  |
| Maximum   | 21.75 | 958.22 |
| Minimum   | 20.07 | 956.54 |

## Appendix B

### Monitoring Activities Information

## APPENDIX B.1 – Summary of All Well Testing Activities

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

| <b>WELL</b> | <b>3/17/08</b> | <b>6/04/08</b> | <b>7/23/08</b>     | <b>9/12/08</b>     | <b>12/10/08</b>    |
|-------------|----------------|----------------|--------------------|--------------------|--------------------|
| MW91-8      | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| MW02-15A    | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| MW98-28     | NT             | NT             | NT                 | NT                 | NT                 |
| MW94-18     | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| MW09-40     | Installed 3/09 | Installed 3/09 | Installed 3/09     | Installed 3/09     | Installed 3/09     |
| MW91-10     | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| MW96-21     | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| MW96-24     | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| MW96-23     | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| MW09-41     | Installed 3/09 | Installed 3/09 | Installed 3/09     | Installed 3/09     | Installed 3/09     |
| MW00-36     | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| MW94-19     | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| MW88-3      | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| MW88-2      | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| SRAMP 1     | NT             | NT             | Appendix I         | Appendix I         | Appendix I         |
| GWD-1       | Dry            | Dry            | Dry                | Dry                | Dry                |
| GWD-2       | Appendix I     | Appendix I     | Appendix I         | Appendix I         | Appendix I         |
| MW98-25     | Appendix I     | Appendix I     | <b>Appendix II</b> | <b>Appendix II</b> | <b>Appendix II</b> |
| MW06-37     | Appendix I     | Appendix I     | <b>Appendix II</b> | <b>Appendix II</b> | <b>Appendix II</b> |
| MW06-38     | Appendix I     | Appendix I     | <b>Appendix II</b> | <b>Appendix II</b> | <b>Appendix II</b> |
| MW06-39     | Appendix I     | Appendix I     | <b>Appendix II</b> | <b>Appendix II</b> | <b>Appendix II</b> |
| Duplicate   | N/A            | N/A            | MW94-19            | MW02-15A           | MW91-8             |

| <b>WELL</b> | <b>3/4/09</b>      | <b>5/04/09</b>     | <b>7/1/09</b> | <b>9/20/09</b>      | <b>12/29/09</b> |
|-------------|--------------------|--------------------|---------------|---------------------|-----------------|
| MW91-8      | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| MW02-15A    | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| MW98-28     | NT                 | NT                 | NT            | NT                  | Appendix I      |
| MW94-18     | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| MW09-40     | Appendix I         | Appendix I         | Appendix I    | Appendix I          | Appendix I      |
| MW91-10     | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| MW96-21     | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| MW96-24     | Appendix I         | NT                 | Zinc          | Appendix I          | NT              |
| MW96-23     | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| MW09-41     | Appendix I         | Appendix I         | Appendix I    | Appendix I          | Appendix I      |
| MW00-36     | Appendix I         | <b>Appendix II</b> | NT            | <b>Appendix II</b>  | NT              |
| MW94-19     | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| MW88-3      | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| MW88-2      | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| SRAMP 1     | Appendix I         | NT                 | NT            | <b>Appendix II</b>  | NT              |
| GWD-1       | Dry                | Dry                | Dry           | Dry                 | Dry             |
| GWD-2       | Appendix I         | VOC's              | VOC's         | <b>Appendix II</b>  | NT              |
| MW98-25     | <b>Appendix II</b> | NT                 | NT            | <b>Appendix I +</b> | NT              |
| MW06-37     | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| MW06-38     | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| MW06-39     | Appendix I         | NT                 | NT            | Appendix I          | NT              |
| Duplicate   | MW94-19            | N/A                | N/A           | MW94-18             | N/A             |

+ = dichlorodifluoromethane, bis(2-ethylhexyl)phthalate, beta (BHC)

++ = bis(2-ethylhexyl)phthalate

| <b>WELL</b> | <b>3/25/10</b>     | <b>5/03/10</b> | <b>6/2/10</b> | <b>7/15/10</b> | <b>9/25/10</b>     |
|-------------|--------------------|----------------|---------------|----------------|--------------------|
| MW91-8      | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW02-15A    | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW98-28     | Appendix I         | Appendix I     | NT            | Appendix I     | Appendix I         |
| MW94-18     | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW09-40     | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW91-10     | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW96-21     | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW96-24     | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW96-23     | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW09-41     | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW00-36     | Appendix I         | NT             | NT            | NT             | <b>Appendix II</b> |
| MW94-19     | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW88-3      | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW88-2      | Appendix I         | NT             | NT            | NT             | Appendix I         |
| SRAMP 1     | NT                 | NT             | NT            | NT             | <b>Appendix II</b> |
| GWD-1       | Dry                | NT             | NT            | Dry            | Dry                |
| GWD-2       | <b>Appendix II</b> | NT             | VOCs          | VOCs           | <b>Appendix II</b> |
| MW98-25     | <b>Appendix I+</b> | NT             | NT            | NT             | <b>Appendix I+</b> |
| MW06-37     | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW06-38     | Appendix I         | NT             | NT            | NT             | Appendix I         |
| MW06-39     | Appendix I         | NT             | NT            | NT             | Appendix I         |
| Duplicate   | MW98-25            | N/A            | N/A           | N/A            | MW88-2             |

| <b>WELL</b> | <b>3/30/11</b>      | <b>9/15/11</b>      | <b>3/7/12</b>      | <b>9/12/12</b>      | <b>3/20/13</b>      |
|-------------|---------------------|---------------------|--------------------|---------------------|---------------------|
| MW91-8      | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW02-15A    | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW98-28     | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW94-18     | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW09-40     | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW91-10     | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW96-21     | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW96-24     | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW96-23     | Appendix I          | <b>Appendix II</b>  | <b>Appendix II</b> | <b>Appendix ++</b>  | <b>Appendix ++</b>  |
| MW09-41     | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW00-36     | <b>Appendix I++</b> | <b>Appendix I++</b> | <b>Appendix I+</b> | <b>Appendix I++</b> | <b>Appendix I++</b> |
| MW94-19     | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW88-3      | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW88-2      | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| SRAMP 1     | Appendix I          | <b>Appendix I+</b>  | <b>Appendix I+</b> | <b>Appendix I+</b>  | <b>Appendix I+</b>  |
| SRAMP 2     | --                  | --                  | --                 | --                  | Approved 10-28-13   |
| GWD-1       | Dry                 | Dry                 | Dry                | Dry                 | Dry                 |
| MW98-25     | <b>Appendix I+</b>  | <b>Appendix I+</b>  | <b>Appendix I+</b> | <b>Appendix I+</b>  | <b>Appendix I+</b>  |
| MW06-37     | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW06-38     | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| MW06-39     | Appendix I          | Appendix I          | Appendix I         | Appendix I          | Appendix I          |
| Duplicate   | MW91-8              | SRAMP-1             | MW91-10            | MW06-38             | MW00-36             |

+ = dichlorodifluoromethane, bis(2-ethylhexyl)phthalate, beta (BHC)

++ = bis(2-ethylhexyl)phthalate

| <b>WELL</b> | <b>9/27/13</b>            | <b>3/13/14</b>            | <b>6/10/14</b> | <b>8/8/14</b> | <b>9/19/14</b>            | <b>11/18/14</b> |
|-------------|---------------------------|---------------------------|----------------|---------------|---------------------------|-----------------|
| MW91-8      | Appendix I                | Appendix I                |                |               | Appendix I                | Appendix I      |
| MW02-15A    | Appendix I                | Appendix I                |                |               | Appendix I                | Appendix I      |
| MW98-28     | Appendix I                | Appendix I                |                |               | Appendix I                | Appendix I      |
| MW94-18     | Appendix I                | Appendix I                |                |               | Appendix I                |                 |
| MW09-40     | Appendix I                | Appendix I                |                |               | Appendix I                |                 |
| MW91-10     | Appendix I                | Appendix I                |                |               | Appendix I                |                 |
| MW96-21     | Appendix I                | Appendix I                |                |               | Appendix I                |                 |
| MW96-24     | Appendix I                | Appendix I                |                |               | Appendix I                |                 |
| MW96-23     | Appendix I <sup>(2)</sup> | Appendix I <sup>(2)</sup> |                |               | Appendix I <sup>(2)</sup> |                 |
| MW09-41     | <b>damaged</b>            | <b>damaged</b>            |                |               | <b>Abandoned</b>          |                 |
| MW00-36     | Appendix I <sup>(2)</sup> | Appendix I <sup>(2)</sup> |                |               | Appendix I <sup>(2)</sup> |                 |
| MW94-19     | Appendix I                | Appendix I                |                |               | Appendix I                |                 |
| MW88-3      | Appendix I                | Appendix I                |                |               | Appendix I                |                 |
| MW88-2      | Appendix I                | Appendix I                |                |               | Appendix I                | Appendix I      |
| SRAMP 1     | Appendix I <sup>(1)</sup> | Appendix I <sup>(1)</sup> |                |               | Appendix I <sup>(1)</sup> |                 |
| SRAMP 2     | Approved 10/2013          | Appendix I <sup>(1)</sup> | Appendix I     | Appendix I    | Appendix I                | Appendix I      |
| GWD-1       | Dry                       | Dry                       |                |               | Dry                       |                 |
| MW98-25     | Appendix I <sup>(1)</sup> | Appendix I <sup>(1)</sup> |                |               | Appendix I <sup>(1)</sup> |                 |
| MW06-37     | Appendix I                | Appendix I                |                |               | Appendix I                |                 |
| MW06-38     | Appendix I                | Appendix I                |                |               | Appendix I                |                 |
| MW06-39     | Appendix I                | Appendix I                |                |               | Appendix I                |                 |
| Duplicate   | MW98-25                   | MW98-25                   |                |               | MW94-18                   |                 |

| <b>WELL</b> | <b>3/17/2015</b>          | <b>6/29/2015</b> | <b>9/11/2015</b>          | <b>11/9/2015</b>     |
|-------------|---------------------------|------------------|---------------------------|----------------------|
| MW91-8      | Appendix I                | Appendix I       | Appendix I                |                      |
| MW02-15A    | Appendix I                | Appendix I       | Appendix I                |                      |
| MW98-28     | Appendix I                | Appendix I       | Appendix I                |                      |
| MW94-18     | Appendix I                |                  | Appendix I                |                      |
| MW09-40     | Appendix I                |                  | Appendix I                |                      |
| MW91-10     | Appendix I                |                  | Appendix I                |                      |
| MW96-21     | <b>damaged</b>            |                  | <b>damaged</b>            |                      |
| MW96-24     | Appendix I                |                  | Appendix I                |                      |
| MW96-23     | Appendix I <sup>(2)</sup> |                  | Appendix I <sup>(2)</sup> | <b>Resample - As</b> |
| MW00-36     | Appendix I <sup>(2)</sup> |                  | <b>Abandoned</b>          |                      |
| MW94-19     | Appendix I                |                  | Appendix I                |                      |
| MW88-3      | Appendix I                |                  | Appendix I                |                      |
| MW88-2      | Appendix I                | Appendix I       | Appendix I                |                      |
| SRAMP 1     | Appendix I <sup>(1)</sup> |                  | Appendix I <sup>(1)</sup> |                      |
| SRAMP 2     | Appendix I                |                  | Appendix I <sup>(1)</sup> |                      |
| GWD-1       | Dry                       |                  | Dry                       |                      |
| MW98-25     | Appendix I <sup>(1)</sup> |                  | Appendix I <sup>(1)</sup> |                      |
| MW06-37     | Appendix I                |                  | Appendix I                |                      |
| MW06-38     | Appendix I                |                  | Appendix I                |                      |
| MW06-39     | Appendix I                |                  | Appendix I                |                      |
| Duplicate   | SRAMP 2                   |                  | MW91-10                   |                      |

(1) = dichlorodifluoromethane, bis(2-ethylhexyl)phthalate, beta (BHC)

(2) = bis(2-ethylhexyl)phthalate

| <b>WELL</b>  | <b>3/16/2016</b>          | <b>6/7/2016</b> | <b>9/8/2016</b>           | <b>9/28/2016</b> |
|--------------|---------------------------|-----------------|---------------------------|------------------|
| MW88-2 (b)   | Appendix I                |                 | Appendix I                |                  |
| MW91-8 (b)   | Appendix I                | resample        | Appendix I                |                  |
| MW02-15A (b) | Appendix I                |                 | Appendix I                |                  |
| MW98-28 (b)  | Appendix I                |                 | Appendix I                |                  |
| MW02-30A (b) | Appendix I                | Appendix I      | Appendix I                |                  |
| MW94-18      | Appendix I                |                 | Appendix I                |                  |
| MW09-40      | Appendix I                |                 | Appendix I                |                  |
| MW91-10      | Appendix I                |                 | Appendix I                |                  |
| MW96-21      | <b>damaged</b>            |                 | <b>damaged</b>            | Appendix I       |
| MW96-24      | Appendix I                |                 | Appendix I                |                  |
| MW94-19      | Appendix I                |                 | Appendix I                |                  |
| MW88-3       | Appendix I                |                 | Appendix I                |                  |
| MW16-42      | Appendix I                | Appendix I      | Appendix I                |                  |
| GWD-1        | dry                       |                 | dry                       |                  |
| MW96-23      | Appendix I <sup>(2)</sup> |                 | Appendix I <sup>(2)</sup> |                  |
| SRAMP 1      | Appendix I <sup>(1)</sup> |                 | Appendix I <sup>(1)</sup> |                  |
| SRAMP 2      | Appendix I <sup>(1)</sup> |                 | Appendix I <sup>(1)</sup> |                  |
| MW98-25      | Appendix I <sup>(1)</sup> |                 | Appendix I <sup>(1)</sup> |                  |
| MW06-37      | Appendix I                |                 | Appendix I                |                  |
| MW06-38      | Appendix I                |                 | Appendix I                |                  |
| MW06-39      | Appendix I                |                 | Appendix I                |                  |
| Duplicate    | Appendix I                |                 | Appendix I                |                  |

(1) = dichlorodifluoromethane, bis(2-ethylhexyl)phthalate, beta (BHC)

(2) = bis(2-ethylhexyl)phthalate

| <b>WELL</b>  | <b>3/17/2017</b>          | <b>6/8/2017</b> | <b>9/19/2017</b>          | <b>12/1/2017</b> |
|--------------|---------------------------|-----------------|---------------------------|------------------|
| MW88-2 (b)   | Appendix I                |                 | Appendix I                |                  |
| MW91-8 (b)   | Appendix I                |                 | Appendix I                | acetone          |
| MW02-15A (b) | Appendix I                |                 | Appendix I                |                  |
| MW98-28 (b)  | Appendix I                |                 | Appendix I                |                  |
| MW02-30A (b) | Appendix I                |                 | Appendix I                |                  |
| MW94-18      | Appendix I                |                 | Appendix I                |                  |
| MW09-40      | Appendix I                |                 | Appendix I                |                  |
| MW91-10      | Appendix I                |                 | Appendix I                |                  |
| MW96-21      | <b>damaged</b>            |                 | <b>Appendix II</b>        |                  |
| MW96-24      | Appendix I                |                 | Appendix I                |                  |
| MW94-19      | Appendix I                |                 | Appendix I                |                  |
| MW88-3       | Appendix I                | cobalt          | Appendix I                |                  |
| MW16-42      | Appendix I                | barium          | <b>Appendix II</b>        |                  |
| GWD-1        | dry                       |                 | dry                       |                  |
| MW96-23      | Appendix I                |                 | Appendix I                |                  |
| SRAMP 1      | Appendix I <sup>(1)</sup> |                 | Dry                       |                  |
| SRAMP 2      | Appendix I <sup>(1)</sup> |                 | Dry                       |                  |
| MW98-25      | <b>Appendix II</b>        |                 | Appendix I <sup>(1)</sup> |                  |
| MW06-37      | Appendix I                |                 | Appendix I                |                  |
| MW06-38      | Appendix I                |                 | Appendix I                |                  |
| MW06-39      | Appendix I                |                 | Appendix I                |                  |
| GU-3         | Buried                    |                 | Buried                    |                  |
| Duplicate    | Appendix I                |                 | Appendix I                |                  |

(1) = dichlorodifluoromethane, bis(2-ethylhexyl)phthalate, beta (BHC)

(2) = bis(2-ethylhexyl)phthalate



| <b>WELL</b>  | <b>3/8/2018</b> | <b>5/19/2018</b> | <b>8/9/2018</b> | <b>9/24/2018</b>          | <b>12/20/2018</b> |
|--------------|-----------------|------------------|-----------------|---------------------------|-------------------|
| MW88-2 (b)   | Appendix I      |                  |                 | Appendix I                |                   |
| MW91-8 (b)   | Appendix I      |                  |                 | Appendix I                |                   |
| MW02-15A (b) | Appendix I      |                  |                 | Appendix I                |                   |
| MW98-28 (b)  | Appendix I      |                  |                 | Appendix I                |                   |
| MW02-30A (b) | Appendix I      |                  |                 | Appendix I                |                   |
| MW94-18      | Appendix I      |                  |                 | Appendix I                |                   |
| MW09-40      | Appendix I      |                  |                 | Appendix I                |                   |
| MW91-10      | Appendix I      |                  |                 | Appendix I                |                   |
| MW96-21      | Appendix I      |                  |                 | <b>Appendix II</b>        | (3)               |
| MW96-24      | Appendix I      |                  |                 | Appendix I                |                   |
| MW94-19      | Appendix I      |                  |                 | Appendix I                |                   |
| MW88-3       | Appendix I      |                  |                 | Appendix I                |                   |
| MW16-42      | flooded         | Appendix I       | barium          | <b>Appendix II</b>        | (2)               |
| GWD-1        | dry             |                  |                 | dry                       |                   |
| MW96-23      | Appendix I      |                  |                 | Appendix I                |                   |
| SRAMP 1      | dry             |                  |                 | dry                       |                   |
| SRAMP 2      | Appendix I      |                  |                 | Appendix I <sup>(1)</sup> | (4)               |
| MW98-25      | Appendix I      |                  |                 | Appendix I <sup>(1)</sup> |                   |
| MW06-37      | Appendix I      |                  |                 | Appendix I                |                   |
| MW06-38      | Appendix I      |                  |                 | Appendix I                |                   |
| MW06-39      | Appendix I      |                  |                 | Appendix I                |                   |
| GU-3         | buried          |                  |                 | buried                    |                   |
| Duplicate    | At MW-39        |                  |                 | At MW88-3                 |                   |

- (1) = dichlorodifluoromethane  
(2) = bis(2-ethylhexyl)phthalate  
(3) = Appendix I metals  
(4) = ethylbenzene, xylenes

| <b>WELL</b>  | <b>3/25/2019</b>          | <b>9/3/2019</b>           | <b>12/3/2019</b> | <b>3/23/2020</b>          | <b>9/4/2020</b>           |
|--------------|---------------------------|---------------------------|------------------|---------------------------|---------------------------|
| MW88-2 (b)   | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW91-8 (b)   | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW02-15A (b) | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW98-28 (b)  | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW02-30A (b) | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW94-18      | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW09-40      | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW91-10      | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW96-21      | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW96-24      | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW94-19      | Appendix I                | <b>damaged</b>            |                  | <b>damaged</b>            | <b>damaged</b>            |
| MW88-3       | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW16-42      | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| GWD-1        | dry                       | dry                       |                  | dry                       | dry                       |
| MW96-23      | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| SRAMP 1      | Appendix I <sup>(1)</sup> | Appendix I <sup>(1)</sup> |                  | dry                       | dry                       |
| SRAMP 2      | Appendix I <sup>(1)</sup> | dry                       |                  | Appendix I <sup>(1)</sup> | dry                       |
| MW98-25      | Appendix I <sup>(1)</sup> | Appendix I <sup>(1)</sup> |                  | Appendix I <sup>(1)</sup> | Appendix I <sup>(1)</sup> |
| MW06-37      | Appendix I                | Appendix I                | lead             | Appendix I                | Appendix I                |
| MW06-38      | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| MW06-39      | Appendix I                | Appendix I                |                  | Appendix I                | Appendix I                |
| GU-3         | buried                    | buried                    |                  | buried                    | buried                    |
| Duplicate    | At MW-25                  | At MW-25                  |                  | At MW91-8                 | At MW88-3                 |

- (1) = dichlorodifluoromethane

| <b>WELL</b>  | <b>3/9/2021</b>           | <b>6/7/2021</b> | <b>8/30/2021</b> | <b>9/7/2021</b>           | <b>9/13/2021</b> | <b>12/3/2021</b> |
|--------------|---------------------------|-----------------|------------------|---------------------------|------------------|------------------|
| MW88-2 (b)   | Appendix I                |                 |                  | damaged                   |                  |                  |
| MW91-8 (b)   | Appendix I                |                 |                  | Appendix I                |                  |                  |
| MW02-15A (b) | Appendix I                |                 |                  | Appendix I                |                  |                  |
| MW98-28 (b)  | Appendix I                |                 |                  | Appendix I                |                  |                  |
| MW02-30A (b) | Appendix I                |                 |                  | Appendix I                |                  |                  |
| MW94-18      | Appendix I                | R- Cu           |                  | Appendix I                |                  |                  |
| MW09-40      | Appendix I                |                 |                  | Appendix I                |                  | R- Ni            |
| MW91-10      | Appendix I                | R- Cu           |                  | Appendix I                |                  |                  |
| MW96-21      | Appendix I                |                 |                  | Appendix I                |                  |                  |
| MW96-24      | Appendix I                |                 |                  | Appendix I                |                  | R- Ba            |
| MW88-3       | Appendix I                |                 |                  | Appendix I                |                  |                  |
| GWD-1        | dry                       |                 |                  | dry                       |                  |                  |
| MW96-23      | Appendix I                |                 |                  | Appendix I                |                  |                  |
| SRAMP 1      | Appendix I <sup>(1)</sup> |                 |                  | dry                       |                  |                  |
| SRAMP 2      | Appendix I <sup>(1)</sup> |                 |                  | dry                       |                  |                  |
| MW98-25      | Appendix I <sup>(1)</sup> |                 |                  | Appendix I <sup>(1)</sup> |                  |                  |
| MW06-37      | Appendix I                |                 |                  | Appendix I                |                  | R- Cd            |
| MW06-38      | Appendix I                |                 |                  | Appendix I                |                  |                  |
| MW06-39      | Appendix I                |                 |                  | Appendix I                |                  |                  |
| GU-3         | submerged                 | submerged       | submerged        | submerged                 | Appendix I       | Appendix I       |
| GU-4         | ---                       |                 | Appendix I       | Appendix I                |                  |                  |
| Duplicate    | At MW-3                   |                 |                  | At MW-18                  |                  |                  |

| <b>WELL</b>  | <b>3/28/2022</b>          | <b>4/18/2022</b> | <b>6/23/2022</b> | <b>6/24/2022</b> | <b>9/14/2022</b>          | <b>12/1/2022</b> |
|--------------|---------------------------|------------------|------------------|------------------|---------------------------|------------------|
| MW88-2 (b)   | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW91-8 (b)   | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW02-15A (b) | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW98-28 (b)  | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW02-30A (b) | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW94-18      | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW09-40      | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW91-10      | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW96-21      | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW96-24      | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW88-3       | Appendix I                |                  |                  |                  | Appendix I                |                  |
| GWD-1        | dry                       |                  |                  |                  | dry                       |                  |
| MW96-23      | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW21-43      | Appendix I                |                  |                  |                  | Appendix I                |                  |
| SRAMP 1      | Appendix I <sup>(1)</sup> |                  |                  |                  | Appendix I <sup>(1)</sup> |                  |
| SRAMP 2      | Appendix I <sup>(1)</sup> |                  |                  |                  | Appendix I <sup>(1)</sup> |                  |
| MW98-25      | Appendix I <sup>(1)</sup> |                  |                  |                  | <b>Appendix II</b>        |                  |
| MW06-37      | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW06-38      | Appendix I                |                  |                  |                  | Appendix I                |                  |
| MW06-39      | Appendix I                |                  |                  |                  | Appendix I                |                  |
| GU-3         | Pilot Study               |                  | submerged        | submerged        | Appendix I                |                  |
| PECS-3       | App I VOC                 | App I VOC        | submerged        | submerged        | submerged                 | submerged        |
| GU-4         | Pilot Study               |                  | Benzene          | Pilot Study      | Appendix I                | Toluene          |
| Duplicate    | At MW-40                  |                  |                  |                  | At MW-37                  |                  |

(1) = dichlorodifluoromethane

| <b>WELL</b>  | <b>3/20/2023</b>          | <b>9/12/2023</b>          | <b>3/12/2024</b>          | <b>9/30/2024</b>          | <b>11/25/2024</b> | <b>12/9/2024</b> |
|--------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|------------------|
| MW88-2 (b)   | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW91-8 (b)   | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW02-15A (b) | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW98-28 (b)  | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW02-30A (b) | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW94-18      | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW09-40      | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW91-10      | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW96-21      | Appendix I                | <b>Appendix II</b>        | Appendix I                | Appendix I                |                   |                  |
| MW96-24      | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW88-3       | Appendix I                | Appendix I                | Appendix I                | Appendix I                | R-Cd              |                  |
| GWD-1        | dry                       | dry                       | dry                       | dry                       |                   |                  |
| MW96-23      | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW21-43      | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| SRAMP 1      | Appendix I <sup>(1)</sup> | Appendix I <sup>(1)</sup> | dry                       | dry                       |                   |                  |
| SRAMP 2      | App I VOC <sup>(1)</sup>  | App I VOC <sup>(1)</sup>  | App I VOC <sup>(1)</sup>  | dry                       |                   |                  |
| MW98-25      | Appendix I <sup>(1)</sup> | Appendix I <sup>(1)</sup> | Appendix I <sup>(1)</sup> | Appendix I <sup>(1)</sup> |                   |                  |
| MW06-37      | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW06-38      | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| MW06-39      | Appendix I                | Appendix I                | Appendix I                | Appendix I                |                   |                  |
| GU-3         | submerged                 | submerged                 | submerged                 | Appendix I                |                   | Appendix I       |
| PECS-3       | submerged                 | submerged                 | Dry                       | App I VOC                 |                   | App I VOC        |
| GU-4         | Appendix I                | Appendix I                | Appendix I                | buried                    | Appendix I        |                  |
| Duplicate    | At MW-18                  | At MW-10                  | Appendix I                | Appendix I                |                   |                  |

(1) = dichlorodifluoromethane

## APPENDIX B.2 - Field Sampling Forms

**BOONE COUNTY SANITARY LANDFILL  
PERMIT # 08-SDP-1-75P**

3/12/2024

Sampled by: Todd Whipple

Weather: Partly Sunny, Calm, 50-70 degrees

IDNR Form 542-1322

Monitoring Well: MW88-2 (dg)

Primary Sampling Method:  
Secondary Sampling Method:

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 975.41      |
| Well Depth           | 34.04       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

**NO PURGE METHOD**

|                     |        |
|---------------------|--------|
| TOC                 | 975.41 |
| Well Depth          | 34.04  |
| Top Screen          | 951.37 |
| Bottom Screen       | 941.37 |
| Bottom Well         | 941.37 |
| Sampler Length (ft) | 4.00   |
| Sampler Volume (mL) | 440.00 |
| Feet cordage        | 28.00  |
| Top sample          | 947.41 |
| Bottom sample       | 943.41 |
| Turbidity(NTU)      | 16.30  |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 3/12/2024 | 11:10 | 20.41       | 955             |       |

**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                                   | 16.30                          |
| Appendix I       | Metals               | 150                            | 150                                  | 16.30                          |
| Appendix I       | VOC                  | 240                            | 240                                  | 16.30                          |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 1892                           |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      |                                | 400                                  | 0                              |

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

| TOC        | 975.41 | 2" dia.                  | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|--------|--------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 34.04  | Before purging           | 3/12/2024 | 11:10 | 20.41 | 955.00    | 3       | 1.4       | no                                     |
|            |        | After purging            |           |       |       | 975.41    |         |           |  |
|            |        | Top of Screen July 1988  |           |       |       | 951.37    |         |           |  |
|            |        |                          |           |       |       | 24.04     |         |           | feet above (+) or below (-) top screen |
|            |        | Bottom of Well July 1988 |           |       |       | 941.37    |         |           |  |
|            |        | Bottom of Well           | 3/12/2024 |       | 34.04 | 941.37    |         |           |  |
|            |        |                          |           |       |       | 0.00      |         |           | feet sedimentation                     |
|            |        | Before Sampling          | 3/12/2024 | 11:22 | 30.10 | 945.31    |         |           |  |
|            |        | Recovery                 | 3/12/2024 | 15:35 | 21.06 | 954.35    |         |           |  |
|            |        | Recovery                 |           |       |       | 975.41    |         |           |  |
|            |        | Recovery                 |           |       |       | 975.41    |         |           |  |
|            |        | Recovery                 |           |       |       | 975.41    |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW88-3 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 952.93      |
| Well Depth           | 27.50       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

NO PURGE METHOD

|                     |        |
|---------------------|--------|
| TOC                 | 952.93 |
| Well Depth          | 27.50  |
| Top Screen          | 936.20 |
| Bottom Screen       | 925.70 |
| Bottom Well         | 925.70 |
| Sampler Length (ft) | 4.00   |
| Sampler Volume (mL) | 440.00 |
| Feet cordage        | 21.00  |
| Top sample          | 931.93 |
| Bottom sample       | 927.93 |
| Turbidity(NTU)      | 5.04   |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 3/12/2024 | 10:29 | 9.99        | 942.94          |       |

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                                   | 5.04                           |
| Appendix I       | Metals               | 150                            | 150                                  | 5.04                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 5.04                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 952.93 | 2" dia.                  | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|--------|--------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 27.50  | Before purging           | 3/12/2024 | 10:29 | 9.99  | 942.94    | 3       | 1.1       | NO                                     |
|            |        | After purging            |           |       |       | 952.93    |         |           |  |
|            |        | Top of Screen July 1988  |           |       |       | 936.20    |         |           |  |
|            |        |                          |           |       |       | 16.73     |         |           | feet above (+) or below (-) top screen |
|            |        | Bottom of Well July 1988 |           |       |       | 925.70    |         |           |  |
|            |        | Bottom of Well           | 3/12/2024 |       | 27.50 | 925.43    |         |           |  |
|            |        |                          |           |       |       | -0.27     |         |           | feet sedimentation                     |
|            |        | Before Sampling          |           |       |       | 952.93    |         |           |  |
| Recovery   |        |                          | 3/12/2024 | 10:39 | 24.70 | 928.23    |         |           |  |
| Recovery   |        |                          | 3/12/2024 | 15:30 | 10.28 | 942.65    |         |           |  |
| Recovery   |        |                          |           |       |       | 952.93    |         |           |  |
| Recovery   |        |                          |           |       |       | 952.93    |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW91-8 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 1061.12     |
| Well Depth           | 20.82       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

NO PURGE METHOD

|                     |         |
|---------------------|---------|
| TOC                 | 1061.12 |
| Well Depth          | 20.00   |
| Top Screen          | 1050.30 |
| Bottom Screen       | 1040.30 |
| Bottom Well         | 1040.30 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 15.00   |
| Top sample          | 1046.12 |
| Bottom sample       | 1042.12 |
| Turbidity(NTU)      | 2.82    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 3/12/2024 | 13:54 | 6.70        | 1054.42         |       |

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                                   | 2.82                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.82                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.82                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1061.12 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 20.82   | Before purging               | 3/12/2024 | 13:54 | 6.7   | 1054.42   | 2.5     | 1.1       | NO                                     |
|            |         | After purging                |           |       |       | 1061.12   |         |           |  |
|            |         | Top of Screen December 1991  |           |       |       | 1050.30   |         |           |  |
|            |         |                              |           |       |       | 10.82     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1991 |           |       |       | 1040.30   |         |           |  |
|            |         | Bottom of Well               | 3/12/2024 |       | 20.00 | 1041.12   |         |           |  |
|            |         |                              |           |       |       | 0.82      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1061.12   |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 14:06 | 11.95 | 1049.17   |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 14:30 | 6.72  | 1054.40   |         |           |  |
|            |         | Recovery                     |           |       |       | 1061.12   |         |           |  |
|            |         | Recovery                     |           |       |       | 1061.12   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW91-10 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1056.58     |
| Well Depth           | 20.08       |
| 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                 | 1056.58 |
| Well Depth          | 20.00   |
| Top Screen          | 1046.50 |
| Bottom Screen       | 1036.50 |
| Bottom Well         | 1036.50 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 15.00   |
| Top sample          | 1041.58 |
| Bottom sample       | 1037.58 |
| Turbidity(NTU)      | 2.85    |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 3/12/2024 | 8:50 | 13.58       | 1043.00         |       |

**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                                   | 2.85                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.85                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.85                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1056.58 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 20.08   | Before purging               | 3/12/2024 | 8:50  | 13.58 | 1043.00   | 2       | 1.9       | NO                                     |
|            |         | After purging                |           |       |       | 1056.58   |         |           |  |
|            |         | Top of Screen December 1991  |           |       |       | 1046.50   |         |           |  |
|            |         |                              |           |       |       | 10.08     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1991 |           |       |       | 1036.50   |         |           |  |
|            |         | Bottom of Well               | 3/12/2024 |       | 20.00 | 1036.58   |         |           |  |
|            |         |                              |           |       |       | 0.08      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1056.58   |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 8:57  | 18.20 | 1038.38   |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 15:12 | 13.40 | 1043.18   |         |           |  |
|            |         | Recovery                     |           |       |       | 1056.58   |         |           |  |
|            |         | Recovery                     |           |       |       | 1056.58   |         |           |  |



IDNR Form 542-1322

Monitoring Well: MW94-18 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1058.75     |
| Well Depth           | 20.58       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

**NO PURGE METHOD**

|                     |         |
|---------------------|---------|
| TOC                 | 1058.75 |
| Well Depth          | 20.10   |
| Top Screen          | 1046.50 |
| Bottom Screen       | 1038.65 |
| Bottom Well         | 1038.65 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 15.00   |
| Top sample          | 1043.75 |
| Bottom sample       | 1039.75 |
| Turbidity(NTU)      | 7.16    |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 3/12/2024 | 8:15 | 9.79        | 1048.96         |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 7.16                           |
| Appendix I       | Metals               | 150                            | 150                                  | 7.16                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 7.16                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1058.75 | 2" dia.                   | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|---------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 20.58   | Before purging            | 3/12/2024 | 8:15  | 9.79  | 1048.96   | 3       | 1.7       | no                                     |
|            |         | After purging             |           |       |       | 1058.75   |         |           |  |
|            |         | Top of Screen March 1994  |           |       |       | 1046.50   |         |           |  |
|            |         |                           |           |       |       | 12.25     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well March 1994 |           |       |       | 1038.17   |         |           |  |
|            |         | Bottom of Well            | 3/12/2024 |       | 20.10 | 1038.65   |         |           |  |
|            |         |                           |           |       |       | 0.48      |         |           | feet sedimentation                     |
|            |         | Before Sampling           |           |       |       | 1058.75   |         |           |  |
|            |         | Recovery                  | 3/12/2024 | 8:27  | 13.30 | 1045.45   |         |           |  |
|            |         | Recovery                  | 3/12/2024 | 15:07 | 9.78  | 1048.97   |         |           |  |
|            |         | Recovery                  |           |       |       | 1058.75   |         |           |  |
|            |         | Recovery                  |           |       |       | 1058.75   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW96-21 (dg)

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

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 1010.96     |
| Well Depth           | 102.70      |
| 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                 | 1010.96 |
| Well Depth          | 102.70  |
| Top Screen          | 933.26  |
| Bottom Screen       | 908.26  |
| Bottom Well         | 908.26  |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 94.00   |
| Top sample          | 916.96  |
| Bottom sample       | 912.96  |
| Turbidity(NTU)      | 608.30  |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 3/12/2024 | 7:40 | 87.64       | 923.32          |       |

hit bottom - no metals tests

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                                   | 608.30                         |
| Appendix I       | Metals               | 150                            | 150                                  | 608.30                         |
| Appendix I       | VOC                  | 240                            | 240                                  | 608.30                         |
| Full Appendix II | 10 more containers   | 5620                           | 5620                                 |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 6020                           | 0                                    |                                |

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

| TOC        | 1010.96 | 2" dia.                      | Date      | Time | Depth  | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|------|--------|-----------|---------|-----------|--|
| Well Depth | 102.70  | Before purging               | 3/12/2024 | 7:40 | 87.64  | 923.32    | 8       | 3.3       | no                                     |
|            |         | After purging                |           |      |        | 1010.96   |         |           |  |
|            |         | Top of Screen December 1996  |           |      |        | 933.26    |         |           |  |
|            |         |                              |           |      |        | 77.70     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1996 |           |      |        | 908.26    |         |           |  |
|            |         | Bottom of Well               | 3/12/2024 |      | 101.20 | 909.76    |         |           |  |
|            |         |                              |           |      |        | 1.50      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |      |        | 1010.96   |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 7:57 | 88.40  | 922.56    |         |           | No significant draw down               |
|            |         | Recovery                     |           |      |        | 1010.96   |         |           |  |
|            |         | Recovery                     |           |      |        | 1010.96   |         |           |  |
|            |         | Recovery                     |           |      |        | 1010.96   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW96-23 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1007.53     |
| Well Depth           | 67.59       |
| 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                 | 1007.53 |
| Well Depth          | 66.00   |
| Top Screen          | 949.74  |
| Bottom Screen       | 939.74  |
| Bottom Well         | 939.74  |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 60.00   |
| Top sample          | 947.53  |
| Bottom sample       | 943.53  |
| Turbidity(NTU)      | 4.31    |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 3/12/2024 | 9:49 | 50.19       | 957.34          |       |

**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                                   | 4.31                           |
| Appendix I       | Metals               | 150                            | 150                                  | 4.31                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 4.31                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1007.53 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 67.59   | Before purging               | 3/12/2024 | 9:49  | 50.19 | 957.34    | 4       | 1.4       | no                                     |
|            |         | After purging                |           |       |       | 1007.53   |         |           |  |
|            |         | Top of Screen December 1996  |           |       |       | 949.74    |         |           |  |
|            |         |                              |           |       |       | 57.79     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1996 |           |       |       | 939.74    |         |           |  |
|            |         | Bottom of Well               | 3/12/2024 |       | 66.00 | 941.53    |         |           |  |
|            |         |                              |           |       |       | 1.79      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1007.53   |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 10:04 | 54.00 | 953.53    |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 15:20 | 50.53 | 957.00    |         |           |  |
|            |         | Recovery                     |           |       |       | 1007.53   |         |           |  |
|            |         | Recovery                     |           |       |       | 1007.53   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW96-24 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 988.56      |
| Well Depth           | 77.62       |
| 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                 | 988.56 |
| Well Depth          | 74.40  |
| Top Screen          | 920.94 |
| Bottom Screen       | 910.94 |
| Bottom Well         | 910.94 |
| Sampler Length (ft) | 4.00   |
| Sampler Volume (mL) | 440.00 |
| Feet cordage        | 68.00  |
| Top sample          | 920.56 |
| Bottom sample       | 916.56 |
| Turbidity(NTU)      | 4.19   |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 3/12/2024 | 9:25 | 64.72       | 923.84          |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 4.19                           |
| Appendix I       | Metals               | 150                            | 150                                  | 4.19                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 4.19                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 988.56 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|--------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 77.62  | Before purging               | 3/12/2024 | 9:25  | 64.72 | 923.84    | 3       | 1.4       | No                                     |
|            |        | After purging                |           |       |       | 988.56    |         |           |  |
|            |        | Top of Screen December 1996  |           |       |       | 920.94    |         |           |  |
|            |        |                              |           |       |       | 67.62     |         |           | feet above (+) or below (-) top screen |
|            |        | Bottom of Well December 1996 |           |       |       | 910.94    |         |           |  |
|            |        | Bottom of Well               | 3/12/2024 |       | 74.40 | 914.16    |         |           |  |
|            |        |                              |           |       |       | 3.22      |         |           | feet sedimentation                     |
|            |        | Before Sampling              |           |       |       | 988.56    |         |           |  |
|            |        | Recovery                     | 3/12/2024 | 9:38  | 72.90 | 915.66    |         |           |  |
|            |        | Recovery                     | 3/12/2024 | 15:17 | 64.72 | 923.84    |         |           |  |
|            |        | Recovery                     |           |       |       | 988.56    |         |           |  |
|            |        | Recovery                     |           |       |       | 988.56    |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW98-25 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1059.38     |
| Well Depth           | 19.40       |
| 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                 | 1059.38 |
| Well Depth          | 19.00   |
| Top Screen          | 1050.48 |
| Bottom Screen       | 1039.98 |
| Bottom Well         | 1039.98 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 14.00   |
| Top sample          | 13.50   |
| Bottom sample       | 9.50    |
| Turbidity(NTU)      | 259.10  |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 3/12/2024 | 13:05 | 5.79        | 1053.59         |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 259.10                         |
| Appendix I       | Metals               | 150                            | 150                                  | 259.10                         |
| Appendix I       | VOC                  | 240                            | 240                                  | 259.10                         |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1059.38 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 19.40   | Before purging               | 3/12/2024 | 13:05 | 5.79  | 1053.59   | 3       | 1.4       | no                                     |
|            |         | After purging                |           |       |       | 1059.38   |         |           |  |
|            |         | Top of Screen February 1998  |           |       |       | 1050.48   |         |           |  |
|            |         |                              |           |       |       | 8.90      |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well February 1998 |           |       |       | 1039.98   |         |           |  |
|            |         | Bottom of Well               | 3/12/2024 |       | 19.00 | 1040.38   |         |           |  |
|            |         |                              |           |       |       | 0.40      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1059.38   |         |           |  |
| Recovery   |         |                              | 3/12/2024 | 13:13 | 10.60 | 1048.78   |         |           |  |
| Recovery   |         |                              | 3/12/2024 | 15:17 | 6.05  | 1053.33   |         |           |  |
| Recovery   |         |                              |           |       |       | 1059.38   |         |           |  |
| Recovery   |         |                              |           |       |       | 1059.38   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW98-28 (ug)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 1052.51     |
| Well Depth           | 152.27      |
| 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                 | 1052.51 |
| Well Depth          | 148.80  |
| Top Screen          | 925.24  |
| Bottom Screen       | 900.24  |
| Bottom Well         | 900.24  |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 140.00  |
| Top sample          | 912.51  |
| Bottom sample       | 908.51  |
| Turbidity(NTU)      | 11.17   |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 3/12/2024 | 13:30 | 125.66      | 926.85          |       |

ANALYTES, CONTAINERS, AND VOLUMES

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 11.17                          |
| Appendix I       | Metals               | 150                            | 150                                  | 11.17                          |
| Appendix I       | VOC                  | 240                            | 240                                  | 11.17                          |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1052.51 | 2" dia.                      | Date      | Time  | Depth  | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|--------|-----------|---------|-----------|--|
| Well Depth | 152.27  | Before purging               | 3/12/2024 | 13:30 | 125.66 | 926.85    | 3       | 0.7       | no                                     |
|            |         | After purging                |           |       |        | 1052.51   |         |           |  |
|            |         | Top of Screen December 1998  |           |       |        | 925.24    |         |           |  |
|            |         |                              |           |       |        | 127.27    |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1998 |           |       |        | 900.24    |         |           |  |
|            |         | Bottom of Well               | 3/12/2024 |       | 148.80 | 903.71    |         |           |  |
|            |         |                              |           |       |        | 3.47      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |        | 1052.51   |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 13:45 | 132.08 | 920.43    |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 14:33 | 130.47 | 922.04    |         |           |  |
|            |         | Recovery                     |           |       |        | 1052.51   |         |           |  |
|            |         | Recovery                     |           |       |        | 1052.51   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW98-29A (ug)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1088.8      |
| Well Depth           | 68.00       |
| 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                 | 1088.8  |
| Well Depth          | 68.00   |
| Top Screen          | 1035.70 |
| Bottom Screen       | 1020.70 |
| Bottom Well         | 1020.20 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        |         |
| Top sample          | 1088.80 |
| Bottom sample       | 1084.80 |
| Turbidity(NTU)      |         |

| Date      | Time | Water Level | Water Elevation | Notes   |
|-----------|------|-------------|-----------------|---------|
| 3/12/2024 |      | 29.55       | 1059.25         | WL ONLY |

**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                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      |                                | 400                                  |                                |

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

| TOC        | 1088.8 | 2" dia.                      | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|--------|------------------------------|------|------|-------|-----------|---------|-----------|--|
| Well Depth | 68.00  | Before purging               |      |      |       | 1088.80   |         | 0.0       | no                                     |
|            |        | After purging                |      |      |       | 1088.80   |         |           |  |
|            |        | Top of Screen December 1998  |      |      |       | 1035.70   |         |           |  |
|            |        |                              |      |      |       | 53.10     |         |           | feet above (+) or below (-) top screen |
|            |        | Bottom of Well December 1998 |      |      |       | 1020.70   |         |           |  |
|            |        | Bottom of Well               |      |      |       | 1088.80   |         |           |  |
|            |        |                              |      |      |       | 68.10     |         |           | feet sedimentation                     |
|            |        | Recovery                     |      |      |       | 1088.80   |         |           |  |
|            |        | Recovery                     |      |      |       | 1088.80   |         |           |  |
|            |        | Recovery                     |      |      |       | 1088.80   |         |           |  |
|            |        | Recovery                     |      |      |       | 1088.80   |         |           |  |
|            |        | Before Sampling              |      |      |       | 1088.80   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW98-30A (ug)

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

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 1088.65     |
| Well Depth           | 116.40      |
| 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                 | 1088.65 |
| Well Depth          | 116.40  |
| Top Screen          | 992.25  |
| Bottom Screen       | 972.25  |
| Bottom Well         | 971.37  |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 110.00  |
| Top sample          | 978.65  |
| Bottom sample       | 974.65  |
| Turbidity(NTU)      | 2.93    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 3/12/2024 | 12:05 | 32          | 1056.65         |       |

ANALYTES, CONTAINERS, AND VOLUMES

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 2.93                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.93                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.93                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1088.65 | 2" dia.                      | Date      | Time  | Depth  | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|--------|-----------|---------|-----------|--|
| Well Depth | 116.40  | Before purging               | 3/12/2024 | 12:05 | 32.00  | 1056.65   | 5       | 0.4       | no                                     |
|            |         | After purging                |           |       |        | 1088.65   |         |           |  |
|            |         | Top of Screen December 1998  |           |       |        | 992.25    |         |           |  |
|            |         |                              |           |       |        | 96.40     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1998 |           |       |        | 972.25    |         |           |  |
|            |         | Bottom of Well               | 3/12/2024 |       | 117.80 | 971.00    |         |           |  |
|            |         |                              |           |       |        | -1.25     |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |        | 1088.65   |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 12:19 | 68.03  | 1020.62   |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 15:45 | 46.76  | 1041.89   |         |           |  |
|            |         | Recovery                     |           |       |        | 1088.65   |         |           |  |
|            |         | Recovery                     |           |       |        | 1088.65   |         |           |  |



IDNR Form 542-1322

Monitoring Well: MW02-15A (ug)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 1105.82     |
| Well Depth           | 62.25       |
| 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                 | 1105.82 |
| Well Depth          | 62.60   |
| Top Screen          | 1053.51 |
| Bottom Screen       | 1043.51 |
| Bottom Well         | 1043.51 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 57.00   |
| Top sample          | 1048.82 |
| Bottom sample       | 1044.82 |
| Turbidity(NTU)      | 3.53    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 3/12/2024 | 12:28 | 45.21       | 1060.61         |       |

ANALYTES, CONTAINERS, AND VOLUMES

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 3.53                           |
| Appendix I       | Metals               | 150                            | 150                                  | 3.53                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 3.53                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1105.82 | 2" dia.                  | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|--------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 62.25   | Before purging           | 3/12/2024 | 12:28 | 45.21 | 1060.61   | 3       | 1.1       | NO                                     |
|            |         | After purging            |           |       |       | 1105.82   |         |           |  |
|            |         | Top of Screen June 2002  |           |       |       | 1053.51   |         |           |  |
|            |         |                          |           |       |       | 52.31     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well June 2002 |           |       |       | 1043.51   |         |           |  |
|            |         | Bottom of Well           | 3/12/2024 |       | 62.60 | 1043.22   |         |           |  |
|            |         |                          |           |       |       | -0.29     |         |           | feet sedimentation                     |
|            |         | Before Sampling          |           |       |       | 1105.82   |         |           |  |
|            |         | Recovery                 | 3/12/2024 | 12:38 | 57.20 | 1048.62   |         |           |  |
|            |         | Recovery                 | 3/12/2024 | 15:47 | 45.85 | 1059.97   |         |           |  |
|            |         | Recovery                 |           |       |       | 1105.82   |         |           |  |
|            |         | Recovery                 |           |       |       | 1105.82   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW06-37 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 1060.75     |
| Well Depth           | 22.85       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

NO PURGE METHOD

|                     |         |
|---------------------|---------|
| TOC                 | 1060.75 |
| Well Depth          | 22.60   |
| Top Screen          | 1047.90 |
| Bottom Screen       | 1037.90 |
| Bottom Well         | 1037.90 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 17.00   |
| Top sample          | 1043.75 |
| Bottom sample       | 1039.75 |
| Turbidity(NTU)      | 2.01    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 3/12/2024 | 14:15 | 7.43        | 1053.32         |       |

ANALYTES, CONTAINERS, AND VOLUMES

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 2.01                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.01                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.01                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1060.75 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 22.85   | Before purging               | 3/12/2024 | 14:15 | 7.43  | 1053.32   | 3       | 1.2       | NO                                     |
|            |         | After purging                |           |       |       | 1060.75   |         |           |  |
|            |         | Top of Screen February 2006  |           |       |       | 1047.90   |         |           |  |
|            |         |                              |           |       |       | 12.85     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well February 2006 |           |       |       | 1037.90   |         |           |  |
|            |         | Bottom of Well               | 3/12/2024 |       | 22.60 | 1038.15   |         |           |  |
|            |         |                              |           |       |       | 0.25      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1060.75   |         |           |  |
| Recovery   |         |                              | 3/12/2024 | 14:23 | 14.09 | 1046.66   |         |           |  |
| Recovery   |         |                              | 3/12/2024 | 15:28 | 7.45  | 1053.30   |         |           |  |
| Recovery   |         |                              |           |       |       | 1060.75   |         |           |  |
| Recovery   |         |                              |           |       |       | 1060.75   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW06-38 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1061.53     |
| Well Depth           | 22.92       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

**NO PURGE METHOD**

|                     |         |
|---------------------|---------|
| TOC                 | 1061.53 |
| Well Depth          | 16.65   |
| Top Screen          | 1047.90 |
| Bottom Screen       | 1037.90 |
| Bottom Well         | 1037.90 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 17.00   |
| Top sample          | 1044.53 |
| Bottom sample       | 1040.53 |
| Turbidity(NTU)      | 3.70    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 3/12/2024 | 14:28 | 8.19        | 1053.34         |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 3.70                           |
| Appendix I       | Metals               | 150                            | 150                                  | 3.70                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 3.70                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1061.53 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 22.92   | Before purging               | 3/12/2024 | 14:28 | 8.19  | 1053.34   | 3       | 1.2       | no                                     |
|            |         | After purging                |           |       |       | 1061.53   |         |           |  |
|            |         | Top of Screen February 2006  |           |       |       | 1048.61   |         |           |  |
|            |         |                              |           |       |       | 12.92     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well February 2006 |           |       |       | 1038.61   |         |           |  |
|            |         | Bottom of Well               | 3/12/2024 |       | 22.50 | 1039.03   |         |           |  |
|            |         |                              |           |       |       | 0.42      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1061.53   |         |           |  |
| Recovery   |         |                              | 3/12/2024 | 14:36 | 11.60 | 1049.93   |         |           |  |
| Recovery   |         |                              | 3/12/2024 | 15:26 | 8.21  | 1053.32   |         |           |  |
| Recovery   |         |                              |           |       |       | 1061.53   |         |           |  |
| Recovery   |         |                              |           |       |       | 1061.53   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW06-39 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1060.78     |
| Well Depth           | 27.83       |
| 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                 | 1060.78 |
| Well Depth          | 27.50   |
| Top Screen          | 1047.95 |
| Bottom Screen       | 1032.95 |
| Bottom Well         | 1032.95 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 22.00   |
| Top sample          | 1038.78 |
| Bottom sample       | 1034.78 |
| Turbidity(NTU)      | 2.52    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 3/12/2024 | 14:42 | 7.15        | 1053.63         |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 2.52                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.52                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.52                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1060.78 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 27.83   | Before purging               | 3/12/2024 | 14:42 | 7.15  | 1053.63   | 3       | 0.9       | NO                                     |
|            |         | After purging                |           |       |       | 1060.78   |         |           |  |
|            |         | Top of Screen February 2006  |           |       |       | 1047.95   |         |           |  |
|            |         |                              |           |       |       | 12.83     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well February 2006 |           |       |       | 1032.95   |         |           |  |
|            |         | Bottom of Well               | 3/12/2024 |       | 27.50 | 1033.28   |         |           |  |
|            |         |                              |           |       |       | 0.33      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1060.78   |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 14:54 | 15.40 | 1045.38   |         |           |  |
|            |         | Recovery                     | 3/12/2024 | 15:25 | 9.20  | 1051.58   |         |           |  |
|            |         | Recovery                     |           |       |       | 1060.78   |         |           |  |
|            |         | Recovery                     |           |       |       | 1060.78   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW09-40 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 1056.5      |
| Well Depth           | 20.00       |
| 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                 | 1056.5  |
| Well Depth          | 20.10   |
| Top Screen          | 1046.50 |
| Bottom Screen       | 1036.50 |
| Bottom Well         | 1036.50 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 15.00   |
| Top sample          | 1041.50 |
| Bottom sample       | 1037.50 |
| Turbidity(NTU)      | 2.98    |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 3/12/2024 | 8:34 | 10.05       | 1046.45         |       |

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                                   | 2.98                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.98                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.98                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1056.5 | 2" dia.                   | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|--------|---------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 20.00  | Before purging            | 3/12/2024 | 8:34  | 10.05 | 1046.45   | 3       | 1.8       | NO                                     |
|            |        | After purging             |           |       |       | 1056.50   |         |           |  |
|            |        | Top of Screen March 2009  |           |       |       | 1046.50   |         |           |  |
|            |        |                           |           |       |       | 10.00     |         |           | feet above (+) or below (-) top screen |
|            |        | Bottom of Well March 2009 |           |       |       | 1036.50   |         |           |  |
|            |        | Bottom of Well            | 3/12/2024 |       | 20.10 | 1036.40   |         |           |  |
|            |        |                           |           |       |       | -0.10     |         |           | feet sedimentation                     |
|            |        | Before Sampling           |           |       |       | 1056.50   |         |           |  |
|            |        | Recovery                  | 3/12/2024 | 8:42  | 14.10 | 1042.40   |         |           |  |
|            |        | Recovery                  | 3/12/2024 | 15:09 | 10.14 | 1046.36   |         |           |  |
|            |        | Recovery                  |           |       |       | 1056.50   |         |           |  |
|            |        | Recovery                  |           |       |       | 1056.50   |         |           |  |



**BOONE COUNTY SANITARY LANDFILL  
PERMIT # 08-SDP-1-75P**

3/12/2024

Sampled by: Todd Whipple

Weather: Partly Sunny, Calm, 50-70 degrees

**IDNR Form 542-1324**

| Date      | Time | Type | Flowing | Quantity | Discolored | Odor         | Litter   |                 |
|-----------|------|------|---------|----------|------------|--------------|----------|-----------------|
| 3/12/2024 |      | tile | dry     | dry      | No         | No           | No       |                 |
|           |      |      |         |          | pH         | Conductivity | Temp.(C) | Turbidity (NTU) |
|           |      |      |         |          | NT         | NT           | NT       | NT              |

**IDNR Form 542-1324**

| Date      | Time | Type           | Flowing | Quantity | Discolored | Odor         | Litter   |                 |
|-----------|------|----------------|---------|----------|------------|--------------|----------|-----------------|
| 3/12/2024 |      | pipe discharge | dry     |          | No         | No           | No       |                 |
|           |      |                |         |          | pH         | Conductivity | Temp.(C) | Turbidity (NTU) |
|           |      |                |         |          | NT         | NT           | NT       | NT              |

**IDNR Form 542-1324**

| Date      | Time  | Type | Flowing | Quantity     | Discolored | Odor         | Litter   |                 |
|-----------|-------|------|---------|--------------|------------|--------------|----------|-----------------|
| 3/12/2024 | 10:15 | tile | yes     | 250 mL/4 sec | No         | No           | No       |                 |
|           |       |      |         |              | pH         | Conductivity | Temp.(C) | Turbidity (NTU) |
|           |       |      |         |              | NT         | NT           | NT       | 2.63            |

**IDNR Form 542-1324**

| Date      | Time | Type | Flowing   | Quantity  | Discolored | Odor | Litter   |                 |
|-----------|------|------|-----------|-----------|------------|------|----------|-----------------|
| 3/12/2024 |      | tile | submerged | submerged | No         | No   | No       |                 |
|           |      |      |           |           | pH         | DO   | Temp.(C) | Turbidity (NTU) |
|           |      |      |           |           | NT         | NT   | NT       | NT              |

**IDNR Form 542-1324**

| Date      | Time  | Type | Flowing | Quantity     | Discolored | Odor | Litter   |                 |
|-----------|-------|------|---------|--------------|------------|------|----------|-----------------|
| 3/12/2024 | 10:55 | tile | yes     | 250 mL/5 sec | No         | No   | No       |                 |
|           |       |      |         |              | pH         | DO   | Temp.(C) | Turbidity (NTU) |
|           |       |      |         |              | NT         | NT   | NT       | 2.31            |

**IDNR Form 542-1324**

| Date      | Time | Type    | Flowing | Quantity | Discolored | Odor         | Litter   |                 |
|-----------|------|---------|---------|----------|------------|--------------|----------|-----------------|
| 3/12/2024 |      | channel | dry     | dry      | No         | No           | No       |                 |
|           |      |         |         |          | pH         | Conductivity | Temp.(C) | Turbidity (NTU) |
|           |      |         |         |          | NT         | NT           | NT       | NT              |





**BOONE COUNTY SANITARY LANDFILL  
PERMIT # 08-SDP-1-75P**

9/30/2024

Sampled by: Todd Whipple

Weather: Sunny, Calm, 60-85 degrees

IDNR Form 542-1322

Monitoring Well: MW88-2 (dg)

Primary Sampling Method:  
Secondary Sampling Method:

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 975.41      |
| Well Depth           | 34.04       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

**NO PURGE METHOD**

|                     |        |
|---------------------|--------|
| TOC                 | 975.41 |
| Well Depth          | 34.04  |
| Top Screen          | 951.37 |
| Bottom Screen       | 941.37 |
| Bottom Well         | 941.37 |
| Sampler Length (ft) | 4.00   |
| Sampler Volume (mL) | 440.00 |
| Feet cordage        | 29.00  |
| Top sample          | 946.41 |
| Bottom sample       | 942.41 |
| Turbidity(NTU)      | 7.51   |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 9/30/2024 | 11:34 | 21.3        | 954.11          |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 7.51                           |
| Appendix I       | Metals               | 150                            | 150                                  | 7.51                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 7.51                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 1892                           |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      |                                | 400                                  | 0                              |

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

| TOC        | 975.41 | 2" dia.                  | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|--------|--------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 34.04  | Before purging           | 9/30/2024 | 11:34 | 21.3  | 954.11    | 0       | 0.0       |  |
|            |        | After purging            |           |       |       | 975.41    |         |           |  |
|            |        | Top of Screen July 1988  |           |       |       | 951.37    |         |           |  |
|            |        |                          |           |       |       | 24.04     |         |           | feet above (+) or below (-) top screen |
|            |        | Bottom of Well July 1988 |           |       |       | 941.37    |         |           |  |
|            |        | Bottom of Well           | 9/30/2024 |       | 34.04 | 941.37    |         |           |  |
|            |        |                          |           |       |       | 0.00      |         |           | feet sedimentation                     |
|            |        | Before Sampling          |           |       |       | 975.41    |         |           |  |
|            |        | Recovery                 |           |       |       | 975.41    |         |           |  |
|            |        | Recovery                 |           |       |       | 975.41    |         |           |  |
|            |        | Recovery                 |           |       |       | 975.41    |         |           |  |
|            |        | Recovery                 |           |       |       | 975.41    |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW88-3 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 952.93      |
| Well Depth           | 27.50       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

**NO PURGE METHOD**

|                     |        |
|---------------------|--------|
| TOC                 | 952.93 |
| Well Depth          | 27.50  |
| Top Screen          | 936.20 |
| Bottom Screen       | 925.70 |
| Bottom Well         | 925.70 |
| Sampler Length (ft) | 4.00   |
| Sampler Volume (mL) | 440.00 |
| Feet cordage        | 22.00  |
| Top sample          | 930.93 |
| Bottom sample       | 926.93 |
| Turbidity(NTU)      | 2.57   |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 9/30/2024 | 11:23 | 9.08        | 943.85          |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 2.57                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.57                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.57                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 952.93 | 2" dia.                  | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|--------|--------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 27.50  | Before purging           | 9/30/2024 | 11:23 | 9.08  | 943.85    |         | 0.0       |  |
|            |        | After purging            |           |       |       | 952.93    |         |           |  |
|            |        | Top of Screen July 1988  |           |       |       | 936.20    |         |           |  |
|            |        |                          |           |       |       | 16.73     |         |           | feet above (+) or below (-) top screen |
|            |        | Bottom of Well July 1988 |           |       |       | 925.70    |         |           |  |
|            |        | Bottom of Well           | 9/30/2024 |       | 27.50 | 925.43    |         |           |  |
|            |        |                          |           |       |       | -0.27     |         |           | feet sedimentation                     |
|            |        | Before Sampling          |           |       |       | 952.93    |         |           |  |
|            |        | Recovery                 |           |       |       | 952.93    |         |           |  |
|            |        | Recovery                 |           |       |       | 952.93    |         |           |  |
|            |        | Recovery                 |           |       |       | 952.93    |         |           |  |
|            |        | Recovery                 |           |       |       | 952.93    |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW91-8 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1061.12     |
| Well Depth           | 20.82       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

**NO PURGE METHOD**

|                     |         |
|---------------------|---------|
| TOC                 | 1061.12 |
| Well Depth          | 20.00   |
| Top Screen          | 1050.30 |
| Bottom Screen       | 1040.30 |
| Bottom Well         | 1040.30 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 15.00   |
| Top sample          | 1046.12 |
| Bottom sample       | 1042.12 |
| Turbidity(NTU)      | 1.98    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 9/30/2024 | 13:21 | 9.23        | 1051.89         |       |

**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                                   | 1.98                           |
| Appendix I       | Metals               | 150                            | 150                                  | 1.98                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 1.98                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1061.12 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 20.82   | Before purging               | 9/30/2024 | 13:21 | 9.23  | 1051.89   |         | 0.0       |  |
|            |         | After purging                |           |       |       | 1061.12   |         |           |  |
|            |         | Top of Screen December 1991  |           |       |       | 1050.30   |         |           |  |
|            |         |                              |           |       |       | 10.82     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1991 |           |       |       | 1040.30   |         |           |  |
|            |         | Bottom of Well               | 9/30/2024 |       | 20.00 | 1041.12   |         |           |  |
|            |         |                              |           |       |       | 0.82      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1061.12   |         |           |  |
|            |         | Recovery                     |           |       |       | 1061.12   |         |           |  |
|            |         | Recovery                     |           |       |       | 1061.12   |         |           |  |
|            |         | Recovery                     |           |       |       | 1061.12   |         |           |  |
|            |         | Recovery                     |           |       |       | 1061.12   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW91-10 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1056.58     |
| Well Depth           | 20.08       |
| 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                 | 1056.58 |
| Well Depth          | 20.00   |
| Top Screen          | 1046.50 |
| Bottom Screen       | 1036.50 |
| Bottom Well         | 1036.50 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 15.00   |
| Top sample          | 1041.58 |
| Bottom sample       | 1037.58 |
| Turbidity(NTU)      | 2.35    |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 9/30/2024 | 9:24 | 15.03       | 1041.55         |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 2.35                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.35                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.35                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1056.58 | 2" dia.                      | Date      | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|------|-------|-----------|---------|-----------|--|
| Well Depth | 20.08   | Before purging               | 9/30/2024 | 9:24 | 15.03 | 1041.55   |         | 0.0       |  |
|            |         | After purging                |           |      |       | 1056.58   |         |           |  |
|            |         | Top of Screen December 1991  |           |      |       | 1046.50   |         |           |  |
|            |         |                              |           |      |       | 10.08     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1991 |           |      |       | 1036.50   |         |           |  |
|            |         | Bottom of Well               | 9/30/2024 |      | 20.00 | 1036.58   |         |           |  |
|            |         |                              |           |      |       | 0.08      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |      |       | 1056.58   |         |           |  |
|            |         | Recovery                     |           |      |       | 1056.58   |         |           |  |
|            |         | Recovery                     |           |      |       | 1056.58   |         |           |  |
|            |         | Recovery                     |           |      |       | 1056.58   |         |           |  |
|            |         | Recovery                     |           |      |       | 1056.58   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW94-18 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1058.75     |
| Well Depth           | 20.58       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

**NO PURGE METHOD**

|                     |         |
|---------------------|---------|
| TOC                 | 1058.75 |
| Well Depth          | 20.10   |
| Top Screen          | 1046.50 |
| Bottom Screen       | 1038.65 |
| Bottom Well         | 1038.65 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 15.00   |
| Top sample          | 1043.75 |
| Bottom sample       | 1039.75 |
| Turbidity(NTU)      | 1.80    |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 9/30/2024 | 8:54 | 11.5        | 1047.25         |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 1.80                           |
| 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     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1058.75 | 2" dia.                   | Date      | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|---------------------------|-----------|------|-------|-----------|---------|-----------|--|
| Well Depth | 20.58   | Before purging            | 9/30/2024 | 8:54 | 11.5  | 1047.25   |         | 0.0       |  |
|            |         | After purging             |           |      |       | 1058.75   |         |           |  |
|            |         | Top of Screen March 1994  |           |      |       | 1046.50   |         |           |  |
|            |         |                           |           |      |       | 12.25     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well March 1994 |           |      |       | 1038.17   |         |           |  |
|            |         | Bottom of Well            | 9/30/2024 |      | 20.10 | 1038.65   |         |           |  |
|            |         |                           |           |      |       | 0.48      |         |           | feet sedimentation                     |
|            |         | Before Sampling           |           |      |       | 1058.75   |         |           |  |
|            |         | Recovery                  |           |      |       | 1058.75   |         |           |  |
|            |         | Recovery                  |           |      |       | 1058.75   |         |           |  |
|            |         | Recovery                  |           |      |       | 1058.75   |         |           |  |
|            |         | Recovery                  |           |      |       | 1058.75   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW96-21 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1010.96     |
| Well Depth           | 102.70      |
| 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                 | 1010.96 |
| Well Depth          | 102.70  |
| Top Screen          | 933.26  |
| Bottom Screen       | 908.26  |
| Bottom Well         | 908.26  |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 94.00   |
| Top sample          | 916.96  |
| Bottom sample       | 912.96  |
| Turbidity(NTU)      | 115.50  |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 9/30/2024 | 9:53 | 87.81       | 923.15          |       |

**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                                   | 115.50                         |
| Appendix I       | Metals               | 150                            | 150                                  | 115.50                         |
| Appendix I       | VOC                  | 240                            | 240                                  | 115.50                         |
| Full Appendix II | 10 more containers   | 5620                           | 5620                                 |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 6020                           | 0                                    |                                |

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

| TOC        | 1010.96 | 2" dia.                      | Date      | Time | Depth  | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|------|--------|-----------|---------|-----------|--|
| Well Depth | 102.70  | Before purging               | 9/30/2024 | 9:53 | 87.81  | 923.15    |         | 0.0       |  |
|            |         | After purging                |           |      |        | 1010.96   |         |           |  |
|            |         | Top of Screen December 1996  |           |      |        | 933.26    |         |           |  |
|            |         |                              |           |      |        | 77.70     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1996 |           |      |        | 908.26    |         |           |  |
|            |         | Bottom of Well               | 9/30/2024 |      | 101.20 | 909.76    |         |           |  |
|            |         |                              |           |      |        | 1.50      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |      |        | 1010.96   |         |           |  |
|            |         | Recovery                     |           |      |        | 1010.96   |         |           | No significant draw down               |
|            |         | Recovery                     |           |      |        | 1010.96   |         |           |  |
|            |         | Recovery                     |           |      |        | 1010.96   |         |           |  |
|            |         | Recovery                     |           |      |        | 1010.96   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW96-23 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1007.53     |
| Well Depth           | 67.59       |
| 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                 | 1007.53 |
| Well Depth          | 66.00   |
| Top Screen          | 949.74  |
| Bottom Screen       | 939.74  |
| Bottom Well         | 939.74  |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 60.00   |
| Top sample          | 947.53  |
| Bottom sample       | 943.53  |
| Turbidity(NTU)      | 8.21    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 9/30/2024 | 10:36 | 49.8        | 957.73          |       |

**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                                   | 8.21                           |
| Appendix I       | Metals               | 150                            | 150                                  | 8.21                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 8.21                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1007.53 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 67.59   | Before purging               | 9/30/2024 | 10:36 | 49.8  | 957.73    |         | 0.0       |  |
|            |         | After purging                |           |       |       | 1007.53   |         |           |  |
|            |         | Top of Screen December 1996  |           |       |       | 949.74    |         |           |  |
|            |         |                              |           |       |       | 57.79     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1996 |           |       |       | 939.74    |         |           |  |
|            |         | Bottom of Well               | 9/30/2024 |       | 66.00 | 941.53    |         |           |  |
|            |         |                              |           |       |       | 1.79      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1007.53   |         |           |  |
|            |         | Recovery                     |           |       |       | 1007.53   |         |           |  |
|            |         | Recovery                     |           |       |       | 1007.53   |         |           |  |
|            |         | Recovery                     |           |       |       | 1007.53   |         |           |  |
|            |         | Recovery                     |           |       |       | 1007.53   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW96-24 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 988.56      |
| Well Depth           | 77.62       |
| 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                 | 988.56 |
| Well Depth          | 74.40  |
| Top Screen          | 920.94 |
| Bottom Screen       | 910.94 |
| Bottom Well         | 910.94 |
| Sampler Length (ft) | 4.00   |
| Sampler Volume (mL) | 440.00 |
| Feet cordage        | 68.00  |
| Top sample          | 920.56 |
| Bottom sample       | 916.56 |
| Turbidity(NTU)      | 3.13   |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 9/30/2024 | 10:10 | 64.91       | 923.65          |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 3.13                           |
| Appendix I       | Metals               | 150                            | 150                                  | 3.13                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 3.13                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     |                      |                                |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 988.56 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|--------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 77.62  | Before purging               | 9/30/2024 | 10:10 | 64.91 | 923.65    |         | 0.0       |  |
|            |        | After purging                |           |       |       | 988.56    |         |           |  |
|            |        | Top of Screen December 1996  |           |       |       | 920.94    |         |           |  |
|            |        |                              |           |       |       | 67.62     |         |           | feet above (+) or below (-) top screen |
|            |        | Bottom of Well December 1996 |           |       |       | 910.94    |         |           |  |
|            |        | Bottom of Well               | 9/30/2024 |       | 74.40 | 914.16    |         |           |  |
|            |        |                              |           |       |       | 3.22      |         |           | feet sedimentation                     |
|            |        | Before Sampling              |           |       |       | 988.56    |         |           |  |
|            |        | Recovery                     |           |       |       | 988.56    |         |           |  |
|            |        | Recovery                     |           |       |       | 988.56    |         |           |  |
|            |        | Recovery                     |           |       |       | 988.56    |         |           |  |
|            |        | Recovery                     |           |       |       | 988.56    |         |           |  |



IDNR Form 542-1322

Monitoring Well: MW98-25 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1059.38     |
| Well Depth           | 19.40       |
| 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                 | 1059.38 |
| Well Depth          | 19.00   |
| Top Screen          | 1050.48 |
| Bottom Screen       | 1039.98 |
| Bottom Well         | 1039.98 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 14.00   |
| Top sample          | 13.50   |
| Bottom sample       | 9.50    |
| Turbidity(NTU)      | 8.20    |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 9/30/2024 | 8:21 | 7.28        | 1052.1          |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 8.20                           |
| Appendix I       | Metals               | 150                            | 150                                  | 8.20                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 8.20                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1059.38 | 2" dia.                      | Date      | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|------|-------|-----------|---------|-----------|--|
| Well Depth | 19.40   | Before purging               | 9/30/2024 | 8:21 | 7.28  | 1052.10   |         | 0.0       |  |
|            |         | After purging                |           |      |       | 1059.38   |         |           |  |
|            |         | Top of Screen February 1998  |           |      |       | 1050.48   |         |           |  |
|            |         |                              |           |      |       | 8.90      |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well February 1998 |           |      |       | 1039.98   |         |           |  |
|            |         | Bottom of Well               | 9/30/2024 |      | 19.00 | 1040.38   |         |           |  |
|            |         |                              |           |      |       | 0.40      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |      |       | 1059.38   |         |           |  |
|            |         | Recovery                     |           |      |       | 1059.38   |         |           |  |
|            |         | Recovery                     |           |      |       | 1059.38   |         |           |  |
|            |         | Recovery                     |           |      |       | 1059.38   |         |           |  |
|            |         | Recovery                     |           |      |       | 1059.38   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW98-28 (ug)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1052.51     |
| Well Depth           | 152.27      |
| 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                 | 1052.51 |
| Well Depth          | 148.80  |
| Top Screen          | 925.24  |
| Bottom Screen       | 900.24  |
| Bottom Well         | 900.24  |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 140.00  |
| Top sample          | 912.51  |
| Bottom sample       | 908.51  |
| Turbidity(NTU)      | 49.16   |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 9/30/2024 | 7:31 | 125.81      | 926.7           |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 49.16                          |
| Appendix I       | Metals               | 150                            | 150                                  | 49.16                          |
| Appendix I       | VOC                  | 240                            | 240                                  | 49.16                          |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1052.51 | 2" dia.                      | Date      | Time | Depth  | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|------|--------|-----------|---------|-----------|--|
| Well Depth | 152.27  | Before purging               | 9/30/2024 | 7:31 | 125.81 | 926.70    |         | 0.0       |  |
|            |         | After purging                |           |      |        | 1052.51   |         |           |  |
|            |         | Top of Screen December 1998  |           |      |        | 925.24    |         |           |  |
|            |         |                              |           |      |        | 127.27    |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1998 |           |      |        | 900.24    |         |           |  |
|            |         | Bottom of Well               | 9/30/2024 |      | 148.80 | 903.71    |         |           |  |
|            |         |                              |           |      |        | 3.47      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |      |        | 1052.51   |         |           |  |
|            |         | Recovery                     |           |      |        | 1052.51   |         |           |  |
|            |         | Recovery                     |           |      |        | 1052.51   |         |           |  |
|            |         | Recovery                     |           |      |        | 1052.51   |         |           |  |
|            |         | Recovery                     |           |      |        | 1052.51   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW98-29A (ug)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1088.8      |
| Well Depth           | 68.00       |
| 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                 | 1088.8  |
| Well Depth          | 68.00   |
| Top Screen          | 1035.70 |
| Bottom Screen       | 1020.70 |
| Bottom Well         | 1020.20 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        |         |
| Top sample          | 1088.80 |
| Bottom sample       | 1084.80 |
| Turbidity(NTU)      |         |

| Date      | Time | Water Level | Water Elevation | Notes   |
|-----------|------|-------------|-----------------|---------|
| 9/30/2024 |      | 30.17       | 1058.63         | WL ONLY |

**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                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      |                                | 400                                  |                                |

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

| TOC        | 1088.8 | 2" dia.                      | Date | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|--------|------------------------------|------|------|-------|-----------|---------|-----------|--|
| Well Depth | 68.00  | Before purging               |      |      |       | 1088.80   |         | 0.0       | no                                     |
|            |        | After purging                |      |      |       | 1088.80   |         |           |  |
|            |        | Top of Screen December 1998  |      |      |       | 1035.70   |         |           |  |
|            |        |                              |      |      |       | 53.10     |         |           | feet above (+) or below (-) top screen |
|            |        | Bottom of Well December 1998 |      |      |       | 1020.70   |         |           |  |
|            |        | Bottom of Well               |      |      |       | 1088.80   |         |           |  |
|            |        |                              |      |      |       | 68.10     |         |           | feet sedimentation                     |
|            |        | Recovery                     |      |      |       | 1088.80   |         |           |  |
|            |        | Recovery                     |      |      |       | 1088.80   |         |           |  |
|            |        | Recovery                     |      |      |       | 1088.80   |         |           |  |
|            |        | Recovery                     |      |      |       | 1088.80   |         |           |  |
|            |        | Before Sampling              |      |      |       | 1088.80   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW98-30A (ug)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 1088.65     |
| Well Depth           | 116.40      |
| 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                 | 1088.65 |
| Well Depth          | 116.40  |
| Top Screen          | 992.25  |
| Bottom Screen       | 972.25  |
| Bottom Well         | 971.37  |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 110.00  |
| Top sample          | 978.65  |
| Bottom sample       | 974.65  |
| Turbidity(NTU)      | 3.05    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 9/30/2024 | 12:33 | 32.3        | 1056.35         |       |

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                                   | 3.05                           |
| Appendix I       | Metals               | 150                            | 150                                  | 3.05                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 3.05                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1088.65 | 2" dia.                      | Date      | Time  | Depth  | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|--------|-----------|---------|-----------|--|
| Well Depth | 116.40  | Before purging               | 9/30/2024 | 12:33 | 32.30  | 1056.35   |         | 0.0       |  |
|            |         | After purging                |           |       |        | 1088.65   |         |           |  |
|            |         | Top of Screen December 1998  |           |       |        | 992.25    |         |           |  |
|            |         |                              |           |       |        | 96.40     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well December 1998 |           |       |        | 972.25    |         |           |  |
|            |         | Bottom of Well               | 9/30/2024 |       | 117.80 | 971.00    |         |           |  |
|            |         |                              |           |       |        | -1.25     |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |        | 1088.65   |         |           |  |
|            |         | Recovery                     |           |       |        | 1088.65   |         |           |  |
|            |         | Recovery                     |           |       |        | 1088.65   |         |           |  |
|            |         | Recovery                     |           |       |        | 1088.65   |         |           |  |
|            |         | Recovery                     |           |       |        | 1088.65   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW02-15A (ug)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 1105.82     |
| Well Depth           | 62.25       |
| 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                 | 1105.82 |
| Well Depth          | 62.60   |
| Top Screen          | 1053.51 |
| Bottom Screen       | 1043.51 |
| Bottom Well         | 1043.51 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 56.00   |
| Top sample          | 1049.82 |
| Bottom sample       | 1045.82 |
| Turbidity(NTU)      | 4.98    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 9/30/2024 | 12:48 | 47.64       | 1058.18         |       |

ANALYTES, CONTAINERS, AND VOLUMES

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 4.98                           |
| Appendix I       | Metals               | 150                            | 150                                  | 4.98                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 4.98                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1105.82 | 2" dia.                  | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|--------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 62.25   | Before purging           | 9/30/2024 | 12:48 | 47.64 | 1058.18   |         | 0.0       |  |
|            |         | After purging            |           |       |       | 1105.82   |         |           |  |
|            |         | Top of Screen June 2002  |           |       |       | 1053.51   |         |           |  |
|            |         |                          |           |       |       | 52.31     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well June 2002 |           |       |       | 1043.51   |         |           |  |
|            |         | Bottom of Well           | 9/30/2024 |       | 62.60 | 1043.22   |         |           |  |
|            |         |                          |           |       |       | -0.29     |         |           | feet sedimentation                     |
|            |         | Before Sampling          |           |       |       | 1105.82   |         |           |  |
|            |         | Recovery                 |           |       |       | 1105.82   |         |           |  |
|            |         | Recovery                 |           |       |       | 1105.82   |         |           |  |
|            |         | Recovery                 |           |       |       | 1105.82   |         |           |  |
|            |         | Recovery                 |           |       |       | 1105.82   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW06-37 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1060.75     |
| Well Depth           | 22.85       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

**NO PURGE METHOD**

|                     |         |
|---------------------|---------|
| TOC                 | 1060.75 |
| Well Depth          | 22.60   |
| Top Screen          | 1047.90 |
| Bottom Screen       | 1037.90 |
| Bottom Well         | 1037.90 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 17.00   |
| Top sample          | 1043.75 |
| Bottom sample       | 1039.75 |
| Turbidity(NTU)      | 2.78    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 9/30/2024 | 14:14 | 9.44        | 1051.31         |       |

**ANALYTES, CONTAINERS, AND VOLUMES**

| Analyte          | Required Volume (mL) | Volume Collected No-Purge (mL) | Volume Collected Purge & Sample (mL) | Turbidity this Container (NTU) |
|------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|
| All              | Field NTU            | 10                             | 10                                   | 2.78                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.78                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.78                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1060.75 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 22.85   | Before purging               | 9/30/2024 | 14:14 | 9.44  | 1051.31   |         | 0.0       |  |
|            |         | After purging                |           |       |       | 1060.75   |         |           |  |
|            |         | Top of Screen February 2006  |           |       |       | 1047.90   |         |           |  |
|            |         |                              |           |       |       | 12.85     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well February 2006 |           |       |       | 1037.90   |         |           |  |
|            |         | Bottom of Well               | 9/30/2024 |       | 22.60 | 1038.15   |         |           |  |
|            |         |                              |           |       |       | 0.25      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1060.75   |         |           |  |
|            |         | Recovery                     |           |       |       | 1060.75   |         |           |  |
|            |         | Recovery                     |           |       |       | 1060.75   |         |           |  |
|            |         | Recovery                     |           |       |       | 1060.75   |         |           |  |
|            |         | Recovery                     |           |       |       | 1060.75   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW06-38 (dg)

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

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1061.53     |
| Well Depth           | 22.92       |
| Capped               | YES         |
| Standing Water       | NO          |
| Litter               | NO          |
| Level Tape           | Solinst 101 |
| NTU Meter            | Hach 2100P  |
| No-Purge Equipment - | Solinst 429 |
| Purge Equipment -    | Waterra     |

**NO PURGE METHOD**

|                     |         |
|---------------------|---------|
| TOC                 | 1061.53 |
| Well Depth          | 16.65   |
| Top Screen          | 1047.90 |
| Bottom Screen       | 1037.90 |
| Bottom Well         | 1037.90 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 17.00   |
| Top sample          | 1044.53 |
| Bottom sample       | 1040.53 |
| Turbidity(NTU)      | 2.56    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 9/30/2024 | 14:02 | 10.1        | 1051.43         |       |

**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                                   | 2.56                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.56                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.56                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1061.53 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 22.92   | Before purging               | 9/30/2024 | 14:02 | 10.1  | 1051.43   |         | 0.0       |  |
|            |         | After purging                |           |       |       | 1061.53   |         |           |  |
|            |         | Top of Screen February 2006  |           |       |       | 1048.61   |         |           |  |
|            |         |                              |           |       |       | 12.92     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well February 2006 |           |       |       | 1038.61   |         |           |  |
|            |         | Bottom of Well               | 9/30/2024 |       | 22.50 | 1039.03   |         |           |  |
|            |         |                              |           |       |       | 0.42      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1061.53   |         |           |  |
|            |         | Recovery                     |           |       |       | 1061.53   |         |           |  |
|            |         | Recovery                     |           |       |       | 1061.53   |         |           |  |
|            |         | Recovery                     |           |       |       | 1061.53   |         |           |  |
|            |         | Recovery                     |           |       |       | 1061.53   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW06-39 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

**GENERAL INFORMATION**

|                      |             |
|----------------------|-------------|
| TOC                  | 1060.78     |
| Well Depth           | 27.83       |
| 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                 | 1060.78 |
| Well Depth          | 27.50   |
| Top Screen          | 1047.95 |
| Bottom Screen       | 1032.95 |
| Bottom Well         | 1032.95 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 22.00   |
| Top sample          | 1038.78 |
| Bottom sample       | 1034.78 |
| Turbidity(NTU)      | 2.92    |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 9/30/2024 | 13:51 | 9.06        | 1051.72         |       |

**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                                   | 2.92                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.92                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.92                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1060.78 | 2" dia.                      | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|---------|------------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 27.83   | Before purging               | 9/30/2024 | 13:51 | 9.06  | 1051.72   |         | 0.0       |  |
|            |         | After purging                |           |       |       | 1060.78   |         |           |  |
|            |         | Top of Screen February 2006  |           |       |       | 1047.95   |         |           |  |
|            |         |                              |           |       |       | 12.83     |         |           | feet above (+) or below (-) top screen |
|            |         | Bottom of Well February 2006 |           |       |       | 1032.95   |         |           |  |
|            |         | Bottom of Well               | 9/30/2024 |       | 27.50 | 1033.28   |         |           |  |
|            |         |                              |           |       |       | 0.33      |         |           | feet sedimentation                     |
|            |         | Before Sampling              |           |       |       | 1060.78   |         |           |  |
|            |         | Recovery                     |           |       |       | 1060.78   |         |           |  |
|            |         | Recovery                     |           |       |       | 1060.78   |         |           |  |
|            |         | Recovery                     |           |       |       | 1060.78   |         |           |  |
|            |         | Recovery                     |           |       |       | 1060.78   |         |           |  |



IDNR Form 542-1322

Monitoring Well: MW09-40 (dg)

Primary Sampling Method:  
Secondary Sampling Method:

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

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 1056.5      |
| Well Depth           | 20.00       |
| 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                 | 1056.5  |
| Well Depth          | 20.10   |
| Top Screen          | 1046.50 |
| Bottom Screen       | 1036.50 |
| Bottom Well         | 1036.50 |
| Sampler Length (ft) | 4.00    |
| Sampler Volume (mL) | 440.00  |
| Feet cordage        | 15.00   |
| Top sample          | 1041.50 |
| Bottom sample       | 1037.50 |
| Turbidity(NTU)      | 2.79    |

| Date      | Time | Water Level | Water Elevation | Notes |
|-----------|------|-------------|-----------------|-------|
| 9/30/2024 | 9:10 | 12.15       | 1044.35         |       |

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                                   | 2.79                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.79                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.79                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 1056.5 | 2" dia.                   | Date      | Time | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|--------|---------------------------|-----------|------|-------|-----------|---------|-----------|--|
| Well Depth | 20.00  | Before purging            | 9/30/2024 | 9:10 | 12.15 | 1044.35   |         | 0.0       |  |
|            |        | After purging             |           |      |       | 1056.50   |         |           |  |
|            |        | Top of Screen March 2009  |           |      |       | 1046.50   |         |           |  |
|            |        |                           |           |      |       | 10.00     |         |           | feet above (+) or below (-) top screen |
|            |        | Bottom of Well March 2009 |           |      |       | 1036.50   |         |           |  |
|            |        | Bottom of Well            | 9/30/2024 |      | 20.10 | 1036.40   |         |           |  |
|            |        |                           |           |      |       | -0.10     |         |           | feet sedimentation                     |
|            |        | Before Sampling           |           |      |       | 1056.50   |         |           |  |
|            |        | Recovery                  |           |      |       | 1056.50   |         |           |  |
|            |        | Recovery                  |           |      |       | 1056.50   |         |           |  |
|            |        | Recovery                  |           |      |       | 1056.50   |         |           |  |
|            |        | Recovery                  |           |      |       | 1056.50   |         |           |  |

IDNR Form 542-1322

Monitoring Well: MW 21-43 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

|                      |             |
|----------------------|-------------|
| TOC                  | 978.29      |
| Well Depth           | 30.25       |
| 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                 | 978.29 |
| Well Depth          | 30.25  |
| Top Screen          | 958.04 |
| Bottom Screen       | 948.04 |
| Bottom Well         | 948.04 |
| Sampler Length (ft) | 4.00   |
| Sampler Volume (mL) | 440.00 |
| Feet cordage        | 25.00  |
| Top sample          | 953.29 |
| Bottom sample       | 949.29 |
| Turbidity(NTU)      | 2.61   |

| Date      | Time  | Water Level | Water Elevation | Notes |
|-----------|-------|-------------|-----------------|-------|
| 9/30/2024 | 12:09 | 20.13       | 958.16          |       |

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                                   | 2.61                           |
| Appendix I       | Metals               | 150                            | 150                                  | 2.61                           |
| Appendix I       | VOC                  | 240                            | 240                                  | 2.61                           |
| Full Appendix II | 10 more containers   | 5620                           |                                      |                                |
| TSS              | TSS                  | 1000                           |                                      |                                |
| Supplemental     | BEHP                 | 946                            |                                      |                                |
| Supplemental     | beta-BHC             | 946                            |                                      |                                |
| Total            |                      | 400                            | 0                                    |                                |

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

| TOC        | 978.29 | 2" dia.                | Date      | Time  | Depth | Elevation | Gallons | # of Vol. | Purged Dry?                            |
|------------|--------|------------------------|-----------|-------|-------|-----------|---------|-----------|--|
| Well Depth | 30.25  | Before purging         | 9/30/2024 | 12:09 | 20.13 | 958.16    |         | 0.0       |  |
|            |        | After purging          |           |       |       | 978.29    |         |           |  |
|            |        | Top of Screen Dec 2021 |           |       |       | 958.04    |         |           |  |
|            |        |                        |           |       |       | 20.25     |         |           | feet above (+) or below (-) top screen |
|            |        | Bottom of WellDec 2021 |           |       |       | 948.04    |         |           |  |
|            |        | Bottom of Well         | 9/30/2024 |       | 30.25 | 948.04    |         |           |  |
|            |        |                        |           |       |       | 0.00      |         |           | feet sedimentation                     |
|            |        | Before Sampling        |           |       |       | 978.29    |         |           |  |
|            |        | Recovery               |           |       |       | 978.29    |         |           |  |
|            |        | Recovery               |           |       |       | 978.29    |         |           |  |
|            |        | Recovery               |           |       |       | 978.29    |         |           |  |
|            |        | Recovery               |           |       |       | 978.29    |         |           |  |

**BOONE COUNTY SANITARY LANDFILL  
PERMIT # 08-SDP-1-75P**

9/30/2024

Sampled by: Todd Whipple

Weather: Sunny, Calm, 60-85 degrees

**IDNR Form 542-1324**

| Date      | Time | Type | Flowing | Quantity | Discolored | Odor         | Litter   |                 |
|-----------|------|------|---------|----------|------------|--------------|----------|-----------------|
| 9/30/2024 |      | tile | dry     | dry      | No         | No           | No       |                 |
|           |      |      |         |          | pH         | Conductivity | Temp.(C) | Turbidity (NTU) |
|           |      |      |         |          | NT         | NT           | NT       | NT              |

**IDNR Form 542-1324**

| Date      | Time | Type           | Flowing | Quantity | Discolored | Odor         | Litter   |                 |
|-----------|------|----------------|---------|----------|------------|--------------|----------|-----------------|
| 9/30/2024 |      | pipe discharge | dry     |          | No         | No           | No       |                 |
|           |      |                |         |          | pH         | Conductivity | Temp.(C) | Turbidity (NTU) |
|           |      |                |         |          | NT         | NT           | NT       | NT              |

**IDNR Form 542-1324**

| Date      | Time  | Type | Flowing | Quantity | Discolored | Odor         | Litter   |                 |
|-----------|-------|------|---------|----------|------------|--------------|----------|-----------------|
| 9/30/2024 | 10:15 | tile | dry     |          | No         | No           | No       |                 |
|           |       |      |         |          | pH         | Conductivity | Temp.(C) | Turbidity (NTU) |
|           |       |      |         |          | NT         | NT           | NT       | 2.63            |

**IDNR Form 542-1324**

| Date      | Time  | Type | Flowing | Quantity      | Discolored | Odor | Litter   |                 |
|-----------|-------|------|---------|---------------|------------|------|----------|-----------------|
| 9/30/2024 | 10:51 | tile | yes     | 250 mL/10 sec | No         | No   | No       |                 |
|           |       |      |         |               | pH         | DO   | Temp.(C) | Turbidity (NTU) |
|           |       |      |         |               | NT         | NT   | NT       | 1.87            |

**IDNR Form 542-1324**

| Date      | Time | Type | Flowing | Quantity | Discolored | Odor | Litter   |                 |
|-----------|------|------|---------|----------|------------|------|----------|-----------------|
| 9/30/2024 |      | tile | buried  |          | No         | No   | No       |                 |
|           |      |      |         |          | pH         | DO   | Temp.(C) | Turbidity (NTU) |
|           |      |      |         |          | NT         | NT   | NT       | NT              |

**IDNR Form 542-1324**

| Date      | Time  | Type    | Flowing | Quantity      | Discolored | Odor         | Litter   |                 |
|-----------|-------|---------|---------|---------------|------------|--------------|----------|-----------------|
| 9/30/2024 | 10:57 | channel | yes     | 250 mL/10 sec | No         | No           | No       |                 |
|           |       |         |         |               | pH         | Conductivity | Temp.(C) | Turbidity (NTU) |
|           |       |         |         |               | NT         | NT           | NT       | 24.07           |





## Appendix C

### Analytical Laboratory Data Summary

Table 1

## Analytical Data Summary for GU-3

| Constituents                | Units | 9/13/2021 | 12/3/2021 | 3/28/2022 | 9/15/2022 | 9/30/2024 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | ug/L  | <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        |
| 1,1,2-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        |
| 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        |
| 1,2-dichloropropane         | ug/L  | <1        | <1        | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | ug/L  | <1        | <1        |           | <1        | <1        |
| 2-butanone (mek)            | ug/L  | <5        | <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        |
| Aluminum, total             | ug/L  |           |           | 269       |           |           |
| Antimony, total             | ug/L  | <2        | <2        |           | <2        | <2        |
| Arsenic, total              | ug/L  | 6.1       | 9.1       | 6.0       | 6.3       | <4.0      |
| Barium, total               | ug/L  | 478       | 415       |           | 365       | 488       |
| Benzene                     | ug/L  | 1.3       | 6.0       | 6.2       | 6.1       | 6.0       |
| Beryllium, total            | ug/L  | <4        | <4        | <4        | <4        | <4        |
| BOD                         | mg/L  |           |           | <14       |           |           |
| Boron, total                | ug/L  |           |           | 285       |           |           |
| Bromochloromethane          | ug/L  | <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        |
| Cadmium, total              | ug/L  | <8        | <8        | <8        | <8        | <8        |
| Carbon disulfide            | ug/L  | <1        | <1        |           | <1        | <1        |
| Carbon tetrachloride        | ug/L  | <1        | <1        | <1        | <1        | <1        |
| Chloride                    | mg/L  |           |           | 20.8      |           |           |
| Chlorobenzene               | ug/L  | <1.0      | <1.0      | 1.8       | 1.7       | 1.3       |
| Chloroethane                | ug/L  | 1.4       | 2.0       |           | 1.6       | 1.1       |
| Chloroform                  | ug/L  | <1        | <1        | <1        | <1        | <1        |
| Chloromethane               | ug/L  | <1        | <1        |           | <1        | <1        |
| Chromium, total             | ug/L  | <8        | <8        |           | <8        | <8        |
| Cis-1,2-dichloroethylene    | ug/L  | 1.0       | 10.5      |           | 11.9      | 4.3       |
| Cis-1,3-dichloropropene     | ug/L  | <1        | <1        |           | <1        | <1        |
| Cobalt, total               | ug/L  | 4.5       | 2.7       | 1.4       | 2.8       | <4        |
| Copper, total               | ug/L  | 6.5       | <4.0      | <4.0      | <4.0      | <4.0      |
| Dibromochloromethane        | ug/L  | <1        | <1        | <1        | <1        | <1        |
| Dibromomethane              | ug/L  | <1        | <1        |           | <1        | <1        |
| Ethylbenzene                | ug/L  | <1.0      | <1.0      | <1.0      | 1.8       | <1.0      |
| Fluoride                    | mg/L  |           |           | .2        |           |           |
| Iron, total                 | ug/L  |           |           | 17000     |           |           |
| Lead, total                 | ug/L  | 5.1       | <4.0      | <4.0      | <4.0      | <4.0      |
| Lithium, total              | ug/L  |           |           | <50       |           |           |
| Manganese, Total            | ug/L  |           |           | 637       |           |           |
| Methyl iodide               | ug/L  | <1        | <1        |           | <1        | <1        |
| Methylene chloride          | ug/L  | <5        | <5        |           | <5        | <5        |
| Molybdenum, total           | ug/L  |           |           | <4        |           |           |
| Nickel, total               | ug/L  | 15.2      | 12.4      | 12.7      | 21.1      | 36.8      |
| Nitrogen, ammonia           | mg/L  |           |           | 3.63      |           |           |
| Nitrogen, Kjeldahl, total   | mg/L  |           |           | 3.67      |           |           |
| Nitrogen, Nitrate+Nitrite   | mg/L  |           |           | .12       |           |           |
| Selenium, total             | ug/L  | <4        | <4        | <4        | <4        | <4        |
| Silica, dissolved           | ug/L  |           |           | 40000     |           |           |
| Silver, total               | ug/L  | <4        | <4        |           | <4        | <4        |
| Styrene                     | ug/L  | <1        | <1        |           | <1        | <1        |
| Sulfate                     | mg/L  |           |           | 144       |           |           |
| Tetrachloroethylene         | ug/L  | <1        | <1        | <1        | <1        | <1        |
| Thallium, total             | ug/L  | <2        | <2        |           | <2        | <2        |
| Toluene                     | ug/L  | <1        | <1        | <1        | <1        | <1        |
| Total suspended solids      | mg/L  |           |           | 48        |           |           |
| Trans-1,2-dichloroethylene  | ug/L  | <1        | <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        | <1        |
| Trichlorofluoromethane      | ug/L  | <1        | <1        |           | <1        | <1        |
| Vanadium, total             | ug/L  | <20       | <20       | <20       | <20       | <20       |
| Vinyl acetate               | ug/L  | <5        | <5        |           | <5        | <5        |
| Vinyl chloride              | ug/L  | <1.0      | 3.6       | 3.0       | 1.9       | 1.2       |
| Xylenes, total              | ug/L  | <2        | <2        |           | <2        | <2        |
| Zinc, total                 | ug/L  | 32.9      | <20.0     | <20.0     | <20.0     | <20.0     |

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

Table 2

## Analytical Data Summary for GU-4

| Constituents                | Units | 8/30/2021 | 3/28/2022 | 6/23/2022 | 6/24/2022 | 9/14/2022 | 12/1/2022 | 3/20/2023 | 9/12/2023 | 3/12/2024 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | ug/L  | <1        | <1        |           | <1        | <1        |           | <1        | <1        | <1        |
| 1,1,2,2-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        | <1        |
| 1,2,3-trichloropropane      | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | ug/L  | <5        |           |           |           | <5        |           | <5        | <5        | <5        |
| 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        | <1        |
| 1,2-dichloropropane         | ug/L  | <1        | <1        |           | <1        | <1        |           | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| 2-butanone (mek)            | ug/L  | <5        |           |           |           | <10       |           | <10       | <10       | <10       |
| 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        |
| Aluminum, total             | ug/L  |           | 24800     |           | <50       |           |           |           |           |           |
| Antimony, total             | ug/L  | <2        |           |           |           | <2        |           | <2        | <2        | <2        |
| Arsenic, total              | ug/L  | <4.0      | 27.3      |           | <4.0      | <4.0      |           | 5.6       | 5.9       | <4.0      |
| Barium, total               | ug/L  | 441       |           |           |           | 483       |           | 465       | 501       | 368       |
| Benzene                     | ug/L  | <1.0      | 1.4       | <1.0      | <1.0      | <1.0      |           | <1.0      | <1.0      | <1.0      |
| Beryllium, total            | ug/L  | <4        | <4        |           | <4        | <4        |           | <4        | <4        | <4        |
| BOD                         | mg/L  |           | 837       |           | 40        |           |           |           |           |           |
| Boron, total                | ug/L  |           | 1830      |           | 485       |           |           |           |           |           |
| Bromochloromethane          | ug/L  | <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        |
| Cadmium, total              | ug/L  | <.8       | 1.2       |           | <.8       | <.8       |           | <.8       | <.8       | <.8       |
| Carbon disulfide            | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| Carbon tetrachloride        | ug/L  | <1        | <1        |           | <1        | <1        |           | <1        | <1        | <1        |
| Chloride                    | mg/L  |           | 242.0     |           | 42.7      |           |           |           |           |           |
| Chlorobenzene               | ug/L  | <1        | <1        |           | <1        | <1        |           | <1        | <1        | <1        |
| Chloroethane                | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| Chloroform                  | ug/L  | <1        | <1        |           | <1        | <1        |           | <1        | <1        | <1        |
| Chloromethane               | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| Chromium, total             | ug/L  | <8        |           |           |           | <8        |           | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| Cobalt, total               | ug/L  | 1.3       | 24.9      |           | .8        | 4.9       |           | 3.3       | 1.2       | <.4       |
| Copper, total               | ug/L  | <4.0      | 42.8      |           | <4.0      | <4.0      |           | 5.5       | <4.0      | <4.0      |
| Dibromochloromethane        | ug/L  | <1        | <1        |           | <1        | <1        |           | <1        | <1        | <1        |
| Dibromomethane              | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| Ethylbenzene                | ug/L  | <1        | <1        |           | <1        | <1        |           | <1        | <1        | <1        |
| Fluoride                    | mg/L  |           | .4        |           | .2        |           |           |           |           |           |
| Iron, total                 | ug/L  |           | 40700     |           | 2840      |           |           |           |           |           |
| Lead, total                 | ug/L  | <4.0      | 22.5      |           | <4.0      | <4.0      |           | <4.0      | <4.0      | <4.0      |
| Lithium, total              | ug/L  |           | 83        |           | <50       |           |           |           |           |           |
| Manganese, Total            | ug/L  |           | 3630      |           | 560       |           |           |           |           |           |
| Methyl iodide               | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| Methylene chloride          | ug/L  | <5        |           |           |           | <5        |           | <5        | <5        | <5        |
| Molybdenum, total           | ug/L  |           | 7.8       |           | <4.0      |           |           |           |           |           |
| Nickel, total               | ug/L  | <4.0      | 93.2      |           | 7.4       | 4.3       |           | 12.1      | 4.4       | <4.0      |
| Nitrogen, ammonia           | mg/L  |           | 44.5      |           | 10.4      |           |           |           |           |           |
| Nitrogen, Kjeldahl, total   | mg/L  |           | 46.20     |           | 9.13      |           |           |           |           |           |
| Nitrogen, Nitrate+Nitrite   | mg/L  |           | .29       |           | .61       |           |           |           |           |           |
| Selenium, total             | ug/L  | <4        | <4        |           | <4        | <4        |           | <4        | <4        | <4        |
| Silica, dissolved           | ug/L  |           | 39600     |           | 28900     |           |           |           |           |           |
| Silver, total               | ug/L  | <4        |           |           |           | <4        |           | <4        | <4        | <4        |
| Styrene                     | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| Sulfate                     | mg/L  |           | 324       |           | 211       |           |           |           |           |           |
| Tetrachloroethylene         | ug/L  | <1        | <1        |           | <1        | <1        |           | <1        | <1        | <1        |
| Thallium, total             | ug/L  | <2        |           |           | <2        | <2        |           | <2        | <2        | <2        |
| Toluene                     | ug/L  | <1.0      | <1.0      |           | <1.0      | 1.9       | <1.0      | <1.0      | <1.0      | <1.0      |
| Total suspended solids      | mg/L  |           | 13400     |           | 4         |           |           |           |           |           |
| Trans-1,2-dichloroethylene  | ug/L  | <1        | <1        |           | <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        | <1        | <1        |
| Trichlorofluoromethane      | ug/L  | <1        |           |           |           | <1        |           | <1        | <1        | <1        |
| Vanadium, total             | ug/L  | <20.0     | 69.3      |           | <20.0     | <20.0     |           | <20.0     | <20.0     | <20.0     |
| Vinyl acetate               | ug/L  | <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        |
| Zinc, total                 | ug/L  | 131.0     | 1140.0    |           | 61.3      | <20.0     |           | 131.0     | 47.2      | 70.7      |

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



Table 3

## Analytical Data Summary for MW02-15A

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 11/13/2014 | 3/17/2015 | 6/29/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 |
|-----------------------------|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|----------|-----------|
| 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  | 39.3      | 33.4      | 33.1       | 30.2      | 28.7      | 34.8      | 40.4      | 44.8     | 43.5      |
| 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        | 3.6       | <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  | <4.0      | <8        | <8         | <8        | <8        | .8        | <8        | 1.4      | 1.5       |
| Copper, total               | ug/L  | <4.0      | 7.8       | <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  | <4.0      | 22.3      | <4.0       | <4.0      | <4.0      | <4.0      | <4.0      | <4.0     | <4.0      |
| Methyl iodide               | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <1       | <1        |
| Methylene chloride          | ug/L  | <5        | <5        | <5         | <5        | <5        | <5        | <5        | <5       | <5        |
| Nickel, total               | ug/L  | 6.4       | 10.4      | <4.0       | <4.0      | 5.6       | 8.3       | 10.3      | 14.0     | 11.9      |
| Selenium, total             | ug/L  | <4        | <4        | <4         | <4        | <4        | <4        | <4        | <4       | <4        |
| Silver, total               | ug/L  | <4        | <4        | <4         | <4        | <4        | <4        | <4        | <4       | <4        |
| Styrene                     | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <1       | <1        |
| 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        |
| Total suspended solids      | mg/L  |           | 7         |            | 6         |           |           |           |          |           |
| 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      | 11.3      | <20.0      | <8.0      | <8.0      | <8.0      | <8.0      | <8.0     | <8.0      |

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

Table 3

Analytical Data Summary for MW02-15A

| Constituents                | 9/19/2017 | 3/8/2018 | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 |
|-----------------------------|-----------|----------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 1,1,1-trichloroethane       | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 1,1,2-trichloroethane       | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 1,1-dichloroethane          | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 1,1-dichloroethylene        | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 1,2,3-trichloropropane      | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 1,2-dibromo-3-chloropropane | <1        | <1       | <1        | <1        | <1       | <5        | <5       | <5       | <5       | <5        |
| 1,2-dibromoethane           | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 1,2-dichlorobenzene         | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 1,2-dichloroethane          | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 1,2-dichloropropane         | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 1,4-dichlorobenzene         | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 2-butanone (mek)            | <5        | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <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       | <10      | <10       | <10       | <10      | <10       | <10      | <10      | <10      | <10       |
| Acrylonitrile               | <5        | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        |
| Antimony, total             | <2        | <2       | <2        | <2        | <2       | <2        | <2       | <2       | <2       | <2        |
| Arsenic, total              | <4        | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        |
| Barium, total               | 36.0      | 31.9     | 32.2      | 30.0      | 30.4     | 32.0      | 40.0     | 38.9     | 75.3     | 46.2      |
| Benzene                     | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Beryllium, total            | <4        | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        |
| 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      | .9       | <.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        | <8       | <8        | <8        | <8       | <8        | <8       | <8       | <8       | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Cis-1,3-dichloropropene     | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Cobalt, total               | <.8       | <.8      | <.8       | <.8       | .9       | 1.6       | 2.8      | 5.8      | 5.7      | 3.2       |
| Copper, total               | <4.0      | <4.0     | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | 26.0     | <4.0     | <4.0      |
| Dibromochloromethane        | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Dibromomethane              | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Ethylbenzene                | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Lead, total                 | <4.0      | <4.0     | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | <4.0     | <4.0     | <4.0      |
| Methyl iodide               | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Methylene chloride          | <5        | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        |
| Nickel, total               | <4.0      | <4.0     | 5.7       | 9.9       | 9.1      | 9.7       | 9.9      | 9.6      | 17.3     | 11.3      |
| Selenium, total             | <4        | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        |
| Silver, total               | <4        | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        |
| Styrene                     | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Tetrachloroethylene         | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Thallium, total             | <4        | <4       | <4        | <2        | <2       | <2        | <2       | <2       | <2       | <2        |
| Toluene                     | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Total suspended solids      |           |          |           |           |          |           |          |          |          |           |
| 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                 | <8.0      | 9.3      | <8.0      | <8.0      | <8.0     | <20.0     | <20.0    | <20.0    | <20.0    | <20.0     |

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

Table 3

## Analytical Data Summary for MW02-15A

| Constituents                | 9/14/2022 | 3/20/2023 | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <5        | <5        | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1        | <1        | <1        |
| 1,2-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        | <2        |
| Arsenic, total              | <4        | <4        | <4        | <4        | <4        |
| Barium, total               | 39.2      | 42.8      | 35.9      | 38.9      | 34.9      |
| Benzene                     | <1        | <1        | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8       | <.8       | <.8       |
| 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        | <8        | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        | <1        | <1        |
| Cobalt, total               | 6.2       | 3.6       | 1.1       | 1.2       | .9        |
| Copper, total               | <4.0      | <4.0      | <4.0      | <4.0      | <4.0      |
| Dibromochloromethane        | <1        | <1        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        | <1        | <1        |
| Lead, total                 | <4.0      | <4.0      | <4.0      | <4.0      | <4.0      |
| Methyl iodide               | <1        | <1        | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        | <5        | <5        |
| Nickel, total               | 8.8       | 9.8       | 8.4       | 6.6       | 6.3       |
| Selenium, total             | <4        | <4        | <4        | <4        | <4        |
| Silver, total               | <4        | <4        | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |           |           |
| 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       | <20       |
| 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     | <20.0     |

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

Table 4

Analytical Data Summary for MW02-30A

| Constituents                | Units | 3/16/2016 | 6/7/2016 | 9/8/2016 | 3/17/2017 | 9/19/2017 | 3/8/2018 | 9/24/2018 | 3/25/2019 | 9/3/2019 |
|-----------------------------|-------|-----------|----------|----------|-----------|-----------|----------|-----------|-----------|----------|
| 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        | <2       | <2       | <2        | <2        | <2       | <2        | <2        | <2       |
| Arsenic, total              | ug/L  | 43.9      | 34.2     | 37.5     | 30.0      | 24.3      | 25.7     | 26.2      | 30.9      | 32.7     |
| Barium, total               | ug/L  | 85.6      | 71.3     | 62.8     | 35.6      | 77.3      | 79.6     | 96.5      | 131.0     | 91.8     |
| Benzene                     | ug/L  |           | <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       |
| 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       | <.8      |
| Carbon disulfide            | ug/L  |           | 1.7      | <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       |
| 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      | <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  | 1.0       | 1.2      | <.8      | <.8       | <.8       | <.8      | 1.8       | 3.2       | .8       |
| Copper, total               | ug/L  | <4.0      | <4.0     | <4.0     | <4.0      | <4.0      | <4.0     | 4.8       | 13.5      | <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  | <4.0      | <4.0     | <4.0     | <4.0      | <4.0      | <4.0     | <4.0      | 8.9       | <4.0     |
| 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      | <4.0     | <4.0     | <4.0      | <4.0      | <4.0     | <4.0      | 9.4       | <4.0     |
| Selenium, total             | ug/L  | <4        | <4       | <4       | <4        | <4        | <4       | <4        | <4        | <4       |
| Silver, total               | ug/L  | <4        | <4       | <4       | <4        | <4        | <4       | <4        | <4        | <4       |
| Styrene                     | ug/L  |           | <1       | <1       | <1        | <1        | <1       | <1        | <1        | <1       |
| Tetrachloroethylene         | ug/L  |           | <1       | <1       | <1        | <1        | <1       | <1        | <1        | <1       |
| Thallium, total             | ug/L  | <4        | <4       | <4       | <4        | <4        | <4       | <4        | <2        | <2       |
| Toluene                     | ug/L  |           | <1       | <1       | <1        | <1        | <1       | <1        | <1        | <1       |
| Trans-1,2-dichloroethylene  | ug/L  |           | <1       | <1       | <1        | <1        | <1       | <1        | <1        | <1       |
| Trans-1,3-dichloropropene   | 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       | <20      |
| Vinyl acetate               | ug/L  |           | <5       | <5       | <5        | <5        | <5       | <5        | <5        | <5       |
| Vinyl chloride              | ug/L  |           | <1       | <1       | <1        | <1        | <1       | <1        | <1        | <1       |
| Xylenes, total              | ug/L  |           | <2       | <2       | <2        | <2        | <2       | <2        | <2        | <2       |
| Zinc, total                 | ug/L  | <8.0      | 8.7      | 9.9      | <8.0      | <8.0      | <8.0     | 12.9      | 59.9      | 16.3     |

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

Table 4

Analytical Data Summary for MW02-30A

| Constituents                | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 | 3/20/2023 | 9/12/2023 | 3/12/2024 |
|-----------------------------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <5        | <5       | <5       | <5       | <5        | <5        | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichloroethane          | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichloropropane         | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| 2-butanone (mek)            | <5        | <5       | <5       | <5       | <10       | <10       | <10       | <10       | <10       |
| 2-hexanone (mbk)            | <5        | <5       | <5       | <5       | <5        | <5        | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5        | <5       | <5       | <5       | <5        | <5        | <5        | <5        | <5        |
| Acetone                     | <10       | <10      | <10      | <10      | <10       | <10       | <10       | <10       | <10       |
| Acrylonitrile               | <5        | <5       | <5       | <5       | <5        | <5        | <5        | <5        | <5        |
| Antimony, total             | <2        | <2       | <2       | <2       | <2        | <2        | <2        | <2        | <2        |
| Arsenic, total              | 29.1      | 43.5     | 27.6     | 36.6     | 34.4      | 50.6      | 50.1      | 27.9      | 44.3      |
| Barium, total               | 102.0     | 93.4     | 81.5     | 88.2     | 93.4      | 159.0     | 207.0     | 71.8      | 120.0     |
| Benzene                     | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4       | <4       | <4       | <4        | <4        | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Bromomethane                | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8      | <.8      | <.8      | <.8       | .8        | 1.8       | <.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        |
| Chlorobenzene               | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Chloroethane                | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Chloroform                  | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Chloromethane               | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Chromium, total             | <8.0      | <8.0     | <8.0     | <8.0     | <8.0      | 9.0       | 10.6      | <8.0      | <8.0      |
| Cis-1,2-dichloroethylene    | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Cobalt, total               | 2.3       | .4       | 1.5      | <.4      | .4        | 7.0       | 4.5       | <.4       | .6        |
| Copper, total               | 9.3       | <4.0     | 9.4      | <4.0     | <4.0      | 19.5      | 18.3      | <4.0      | <4.0      |
| Dibromochloromethane        | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Lead, total                 | 7.0       | <4.0     | <4.0     | <4.0     | <4.0      | 14.8      | 22.3      | <4.0      | <4.0      |
| Methyl iodide               | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5       | <5       | <5       | <5        | <5        | <5        | <5        | <5        |
| Nickel, total               | 7.0       | <4.0     | 4.3      | <4.0     | <4.0      | 12.4      | 12.9      | <4.0      | <4.0      |
| Selenium, total             | <4        | <4       | <4       | <4       | <4        | <4        | <4        | <4        | <4        |
| Silver, total               | <4        | <4       | <4       | <4       | <4        | <4        | <4        | <4        | <4        |
| Styrene                     | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Thallium, total             | <2        | <2       | <2       | <2       | <2        | <2        | <2        | <2        | <2        |
| Toluene                     | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Trans-1,2-dichloroethylene  | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5       | <5       | <5       | <5        | <5        | <5        | <5        | <5        |
| Trichloroethylene           | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Trichlorofluoromethane      | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Vanadium, total             | <20       | <20      | <20      | <20      | <20       | <20       | <20       | <20       | <20       |
| Vinyl acetate               | <5        | <5       | <5       | <5       | <5        | <5        | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <1       | <1       | <1       | <1        | <1        | <1        | <1        | <1        |
| Xylenes, total              | <2        | <2       | <2       | <2       | <2        | <2        | <2        | <2        | <2        |
| Zinc, total                 | 28.5      | <20.0    | <20.0    | <20.0    | <20.0     | 52.8      | 144.0     | <20.0     | <20.0     |

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

Table 4

## Analytical Data Summary for MW02-30A

| Constituents                | 9/30/2024 |
|-----------------------------|-----------|
| 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        |
| 1,2,3-trichloropropane      | <1        |
| 1,2-dibromo-3-chloropropane | <5        |
| 1,2-dibromoethane           | <1        |
| 1,2-dichlorobenzene         | <1        |
| 1,2-dichloroethane          | <1        |
| 1,2-dichloropropane         | <1        |
| 1,4-dichlorobenzene         | <1        |
| 2-butanone (mek)            | <10       |
| 2-hexanone (mbk)            | <5        |
| 4-methyl-2-pentanone (mibk) | <5        |
| Acetone                     | <10       |
| Acrylonitrile               | <5        |
| Antimony, total             | <2        |
| Arsenic, total              | 41.0      |
| Barium, total               | 86.8      |
| Benzene                     | <1        |
| Beryllium, total            | <4        |
| Bromochloromethane          | <1        |
| Bromodichloromethane        | <1        |
| Bromoform                   | <1        |
| Bromomethane                | <1        |
| Cadmium, total              | <.8       |
| Carbon disulfide            | <1.0      |
| Carbon tetrachloride        | <1        |
| Chlorobenzene               | <1        |
| Chloroethane                | <1        |
| Chloroform                  | <1        |
| Chloromethane               | <1        |
| Chromium, total             | <8.0      |
| Cis-1,2-dichloroethylene    | <1        |
| Cis-1,3-dichloropropene     | <1        |
| Cobalt, total               | <.4       |
| Copper, total               | <4.0      |
| Dibromochloromethane        | <1        |
| Dibromomethane              | <1        |
| Ethylbenzene                | <1        |
| Lead, total                 | <4.0      |
| Methyl iodide               | <1        |
| Methylene chloride          | <5        |
| Nickel, total               | <4.0      |
| Selenium, total             | <4        |
| Silver, total               | <4        |
| Styrene                     | <1        |
| Tetrachloroethylene         | <1        |
| Thallium, total             | <2        |
| Toluene                     | <1        |
| Trans-1,2-dichloroethylene  | <1        |
| Trans-1,3-dichloropropene   | <1        |
| Trans-1,4-dichloro-2-butene | <5        |
| Trichloroethylene           | <1        |
| Trichlorofluoromethane      | <1        |
| Vanadium, total             | <20       |
| Vinyl acetate               | <5        |
| Vinyl chloride              | <1        |
| Xylenes, total              | <2        |
| Zinc, total                 | <20.0     |

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

Table 5

## Analytical Data Summary for MW06-37

| Constituents                | Units | 3/13/2014 | 9/19/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 | 9/19/2017 | 3/8/2018 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| 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      | <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  | 160       | 105       | 143       | 117       | 142       | 117      | 135       | 133       | 128      |
| 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        | 1.2       | <8       | 1.6       | <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  | <4.0      | <8        | <8        | <8        | <8        | <8       | <8        | <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        | <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      | 7.1       | <4.0     | <4.0      | <4.0      | <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       |
| 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       |
| Total suspended solids      | mg/L  |           | 60        | 11        |           |           |          |           |           |          |
| 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      | <8.0      | <8.0      | <8.0      | <8.0     | <8.0      | <8.0      | <8.0     |

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

Table 5

Analytical Data Summary for MW06-37

| Constituents                | 9/24/2018 | 3/25/2019 | 9/3/2019 | 12/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 12/3/2021 | 3/28/2022 |
|-----------------------------|-----------|-----------|----------|-----------|-----------|----------|----------|----------|-----------|-----------|
| 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        | <1        | <1       |           | <5        | <5       | <5       | <5       |           | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1       |           | <1        | <1       | <1       | <1       |           | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1       |           | <1        | <1       | <1       | <1       |           | <1        |
| 1,2-dichloroethane          | <1        | <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       | <5       | <5       |           | <5        |
| 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       |           | <2        |
| Arsenic, total              | <4        | <4        | <4       |           | <4        | <4       | <4       | <4       |           | <4        |
| Barium, total               | 116       | 126       | 120      |           | 126       | 172      | 109      | 123      |           | 119       |
| Benzene                     | <1        | <1        | <1       |           | <1        | <1       | <1       | <1       |           | <1        |
| Beryllium, total            | <4        | <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      | 5.5      | <.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       |           | <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       | <.8      |           | <.8       | <.4      | <.4      | <.4      |           | .4        |
| Copper, total               | <4        | <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        | 17       | <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               | <4.0      | <4.0      | <4.0     |           | <4.0      | <4.0     | <4.0     | <4.0     |           | <4.0      |
| Selenium, total             | <4.0      | <4.0      | <4.0     |           | <4.0      | <4.0     | 4.9      | <4.0     |           | 4.9       |
| Silver, total               | <4        | <4        | <4       |           | <4        | <4       | <4       | <4       |           | <4        |
| Styrene                     | <1        | <1        | <1       |           | <1        | <1       | <1       | <1       |           | <1        |
| Tetrachloroethylene         | <1        | <1        | <1       |           | <1        | <1       | <1       | <1       |           | <1        |
| Thallium, total             | <4        | <2        | <2       |           | <2        | <2       | <2       | <2       |           | <2        |
| Toluene                     | <1        | <1        | <1       |           | <1        | <1       | <1       | <1       |           | <1        |
| Total suspended solids      |           |           |          |           |           |          |          |          |           |           |
| 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                 | <8.0      | <8.0      | 9.1      |           | <20.0     | <20.0    | <20.0    | <20.0    |           | <20.0     |

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



Table 5

## Analytical Data Summary for MW06-37

| Constituents                | 9/14/2022 | 3/20/2023 | 9/13/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <5        | <5        | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1        | <1        | <1        |
| 1,2-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        | <2        |
| Arsenic, total              | <4        | <4        | <4        | <4        | <4        |
| Barium, total               | 117       | 109       | 120       | 128       | 116       |
| Benzene                     | <1        | <1        | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | .9        | <.8       | <.8       |
| 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        | <8        | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        | <1        | <1        |
| Cobalt, total               | 5.0       | <.4       | <.4       | <.4       | <.4       |
| Copper, total               | <4        | <4        | <4        | <4        | <4        |
| Dibromochloromethane        | <1        | <1        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        | <1        | <1        |
| Lead, total                 | <4        | <4        | <4        | <4        | <4        |
| Methyl iodide               | <1        | <1        | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        | <5        | <5        |
| Nickel, total               | <4.0      | <4.0      | <4.0      | <4.0      | <4.0      |
| Selenium, total             | <4.0      | <4.0      | <4.0      | <4.0      | <4.0      |
| Silver, total               | <4        | <4        | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |           |           |
| 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       | <20       |
| 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     | <20.0     |

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

Table 6

Analytical Data Summary for MW06-38

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 | 9/19/2017 | 3/8/2018 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| 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      | <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  | 207       | 224       | 209       | 233       | 208       | 199      | 196       | 208       | 205      |
| 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        | 1.2       | <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  | <4.0      | <8        | <8        | <8        | <8        | <8       | <8        | <8        | <8       |
| Copper, total               | ug/L  | 11.2      | <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        | <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  | <4.0      | <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       |
| 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       |
| Total suspended solids      | mg/L  |           | 237       | 14        |           |           |          |           |           |          |
| 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  | 10.0      | 8.2       | <8.0      | 14.3      | <8.0      | <8.0     | <8.0      | <8.0      | <8.0     |

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

Table 6

Analytical Data Summary for MW06-38

| Constituents                | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 | 3/20/2023 |
|-----------------------------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <1        | <1        | <1       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichloroethane          | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichloropropane         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 2-butanone (mek)            | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <10       | <10       | <10       |
| 2-hexanone (mbk)            | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| Acetone                     | <10       | <10       | <10      | <10       | <10      | <10      | <10      | <10       | <10       | <10       |
| Acrylonitrile               | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| Antimony, total             | <2        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        | <2        |
| Arsenic, total              | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Barium, total               | 209       | 199       | 199      | 208       | 205      | 202      | 209      | 193       | 187       | 184       |
| Benzene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| 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      | 1.7      | <.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        | <8        | <8       | <8        | <8       | <8       | <8       | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Cobalt, total               | <.8       | <.8       | <.8      | <.8       | <.4      | <.4      | <.4      | .5        | 6.3       | <.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        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Selenium, total             | <4.0      | 4.0       | <4.0     | <4.0      | 4.4      | <4.0     | <4.0     | <4.0      | <4.0      | <4.0      |
| Silver, total               | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Thallium, total             | <4        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Total suspended solids      |           |           |          |           |          |          |          |           |           |           |
| 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                 | <8.0      | <8.0      | <8.0     | <20.0     | <20.0    | <20.0    | <20.0    | <20.0     | <20.0     | <20.0     |

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

Table 6

## Analytical Data Summary for MW06-38

| Constituents                | 9/13/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1        |
| 1,2-dichloroethane          | <1        | <1        | <1        |
| 1,2-dichloropropane         | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | <1        | <1        | <1        |
| 2-butanone (mek)            | <10       | <10       | <10       |
| 2-hexanone (mbk)            | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5        | <5        | <5        |
| Acetone                     | <10       | <10       | <10       |
| Acrylonitrile               | <5        | <5        | <5        |
| Antimony, total             | <2        | <2        | <2        |
| Arsenic, total              | <4        | <4        | <4        |
| Barium, total               | 196       | 196       | 188       |
| Benzene                     | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8       |
| Carbon disulfide            | <1        | <1        | <1        |
| Carbon tetrachloride        | <1        | <1        | <1        |
| Chlorobenzene               | <1        | <1        | <1        |
| Chloroethane                | <1        | <1        | <1        |
| Chloroform                  | <1        | <1        | <1        |
| Chloromethane               | <1        | <1        | <1        |
| Chromium, total             | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        |
| Cobalt, total               | <.4       | <.4       | <.4       |
| Copper, total               | <4.0      | <4.0      | <4.0      |
| Dibromochloromethane        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        |
| Lead, total                 | <4        | <4        | <4        |
| Methyl iodide               | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        |
| Nickel, total               | <4        | <4        | <4        |
| Selenium, total             | <4.0      | <4.0      | <4.0      |
| Silver, total               | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |
| Trans-1,2-dichloroethylene  | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5        | <5        |
| Trichloroethylene           | <1        | <1        | <1        |
| Trichlorofluoromethane      | <1        | <1        | <1        |
| Vanadium, total             | <20       | <20       | <20       |
| Vinyl acetate               | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <1        | <1        |
| Xylenes, total              | <2        | <2        | <2        |
| Zinc, total                 | <20.0     | <20.0     | <20.0     |

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

Table 7

Analytical Data Summary for MW06-39

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 | 9/19/2017 | 3/8/2018 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| 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      | <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  | 200       | 174       | 187       | 172       | 207       | 185      | 193       | 206       | 216      |
| 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       | 1.7       | <.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  | <4.0      | <.8       | <.8       | <.8       | <.8       | <.8      | <.8       | <.8       | <.8      |
| Copper, total               | ug/L  | <4.0      | <4.0      | <4.0      | <4.0      | <4.0      | <4.0     | <4.0      | <4.0      | <4.0     |
| 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       |
| 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       |
| Total suspended solids      | mg/L  |           | 39        | 4         |           |           |          |           |           |          |
| 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      | 48.5      | <8.0      | 38.7      | 12.6      | <8.0     | <8.0      | <8.0      | <8.0     |

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

Table 7

Analytical Data Summary for MW06-39

| Constituents                | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 | 3/20/2023 |
|-----------------------------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <1        | <5        | <1       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichloroethane          | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichloropropane         | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 2-butanone (mek)            | <5        | <25       | <5       | <5        | <5       | <5       | <5       | <10       | <10       | <10       |
| 2-hexanone (mbk)            | <5        | <25       | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5        | <25       | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| Acetone                     | <10       | <50       | <10      | <10       | <10      | <10      | <10      | <10       | <10       | <10       |
| Acrylonitrile               | <5        | <25       | <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               | 178       | 223       | 196      | 209       | 189      | 207      | 178      | 207       | 171       | 190       |
| Benzene                     | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Bromoform                   | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Bromomethane                | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8      | <.8       | <.8      | <.8      | <.8      | <.8       | <.8       | <.8       |
| Carbon disulfide            | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Carbon tetrachloride        | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Chlorobenzene               | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Chloroethane                | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Chloroform                  | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Chloromethane               | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Chromium, total             | <8        | <8        | <8       | <8        | <8       | <8       | <8       | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Cobalt, total               | <.8       | <.8       | <.8      | <.8       | <.4      | <.4      | <.4      | .6        | 3.6       | <.4       |
| Copper, total               | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | 4.4      | <4.0     | <4.0      | <4.0      | <4.0      |
| Dibromochloromethane        | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Dibromomethane              | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Lead, total                 | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Methyl iodide               | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Methylene chloride          | <5        | <25       | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| Nickel, total               | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Selenium, total             | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Silver, total               | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Styrene                     | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Thallium, total             | <4        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        | <2        |
| Toluene                     | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Total suspended solids      |           |           |          |           |          |          |          |           |           |           |
| Trans-1,2-dichloroethylene  | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <25       | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| Trichloroethylene           | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Trichlorofluoromethane      | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Vanadium, total             | <20       | <20       | <20      | <20       | <20      | <20      | <20      | <20       | <20       | <20       |
| Vinyl acetate               | <5        | <25       | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <5        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Xylenes, total              | <2        | <10       | <2       | <2        | <2       | <2       | <2       | <2        | <2        | <2        |
| Zinc, total                 | <8.0      | <8.0      | <8.0     | <20.0     | <20.0    | <20.0    | <20.0    | <20.0     | <20.0     | <20.0     |

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

Table 7

## Analytical Data Summary for MW06-39

| Constituents                | 9/13/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1        |
| 1,2-dichloroethane          | <1        | <1        | <1        |
| 1,2-dichloropropane         | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | <1        | <1        | <1        |
| 2-butanone (mek)            | <10       | <10       | <10       |
| 2-hexanone (mbk)            | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5        | <5        | <5        |
| Acetone                     | <10       | <10       | <10       |
| Acrylonitrile               | <5        | <5        | <5        |
| Antimony, total             | <2        | <2        | <2        |
| Arsenic, total              | <4        | <4        | <4        |
| Barium, total               | 178       | 174       | 160       |
| Benzene                     | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8       |
| Carbon disulfide            | <1        | <1        | <1        |
| Carbon tetrachloride        | <1        | <1        | <1        |
| Chlorobenzene               | <1        | <1        | <1        |
| Chloroethane                | <1        | <1        | <1        |
| Chloroform                  | <1        | <1        | <1        |
| Chloromethane               | <1        | <1        | <1        |
| Chromium, total             | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        |
| Cobalt, total               | <.4       | <.4       | <.4       |
| Copper, total               | <4.0      | <4.0      | <4.0      |
| Dibromochloromethane        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        |
| Lead, total                 | <4        | <4        | <4        |
| Methyl iodide               | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        |
| Nickel, total               | <4        | <4        | <4        |
| Selenium, total             | <4        | <4        | <4        |
| Silver, total               | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |
| Trans-1,2-dichloroethylene  | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5        | <5        |
| Trichloroethylene           | <1        | <1        | <1        |
| Trichlorofluoromethane      | <1        | <1        | <1        |
| Vanadium, total             | <20       | <20       | <20       |
| Vinyl acetate               | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <1        | <1        |
| Xylenes, total              | <2        | <2        | <2        |
| Zinc, total                 | <20.0     | <20.0     | <20.0     |

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

Table 8

## Analytical Data Summary for MW09-40

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 | 9/19/2017 | 3/8/2018 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| 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      | <10       | <10       | <10      |
| Acrylonitrile               | ug/L  | <5        | <5        | <5        | <5        | <5        | <5       | <5        | <5        | <5       |
| Antimony, total             | ug/L  | <2.0      | <2.0      | <2.0      | <2.0      | <2.0      | <2.0     | <2.0      | <2.0      | <2.0     |
| Arsenic, total              | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4       |
| Barium, total               | ug/L  | 39.4      | 34.0      | 29.2      | 34.9      | 31.4      | 37.1     | 32.6      | 39.7      | 35.1     |
| 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        | 1.6       | <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  | <4.0      | <8        | <8        | <8        | <8        | <8       | <8        | <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        | <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      | 5.4       | <4.0      | <4.0      | <4.0      | <4.0     | <4.0      | <4.0      | <4.0     |
| Selenium, total             | ug/L  | <4.0      | 8.8       | 5.7       | 4.8       | 4.9       | <4.0     | <4.0      | <4.0      | <4.0     |
| Silver, total               | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4       |
| Styrene                     | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| 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       |
| Total suspended solids      | mg/L  |           | 126       | 8         |           |           |          |           |           |          |
| 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        | 14        | <8        | <8        | <8        | <8       | <8        | <8        | <8       |

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



Table 8

Analytical Data Summary for MW09-40

| Constituents                | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 12/3/2021 | 3/28/2022 | 9/14/2022 |
|-----------------------------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <1        | <1        | <1       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichloroethane          | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichloropropane         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 2-butanone (mek)            | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <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       | <10       | <10      | <10       | <10      | <10      | <10      | <10       | <10       | <10       |
| Acrylonitrile               | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| Antimony, total             | <2.0      | <2.0      | <2.0     | <2.0      | <2.0     | <2.0     | <2.0     | <2.0      | <2.0      | <2.0      |
| Arsenic, total              | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Barium, total               | 30.2      | 27.3      | 28.2     | 33.2      | 30.6     | 29.6     | 36.8     |           | 21.4      | 22.7      |
| Benzene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| 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       | .9        | <.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        | <8        | <8       | <8        | <8       | <8       | <8       | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Cobalt, total               | <.8       | <.8       | <.8      | <.8       | <.4      | <.4      | 2.0      | .7        |           | 3.4       |
| Copper, total               | <4        | <4        | <4       | <4        | <4       | 17       | <4       | <4        | <4        | <4        |
| 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     | 19.4     | 7.5       | <4.0      | <4.0      |
| Selenium, total             | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | <4.0     | <4.0     | <4.0      | <4.0      | <4.0      |
| Silver, total               | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Thallium, total             | <4        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Total suspended solids      |           |           |          |           |          |          |          |           |           |           |
| 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                 | <8        | <8        | <8       | <20       | <20      | <20      | <20      | <20       | <20       | <20       |

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

Table 8

## Analytical Data Summary for MW09-40

| Constituents                | 3/20/2023 | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <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             | 2.4       | <2.0      | <2.0      | <2.0      |
| Arsenic, total              | <4        | <4        | <4        | <4        |
| Barium, total               | 13.0      | 23.9      | 21.3      | 23.4      |
| Benzene                     | <1        | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8       | <.8       |
| 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        | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        | <1        |
| Cobalt, total               | <.4       | <.4       | <.4       | <.4       |
| Copper, total               | <4        | <4        | <4        | <4        |
| Dibromochloromethane        | <1        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        | <1        |
| Lead, total                 | <4        | <4        | <4        | <4        |
| Methyl iodide               | <1        | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        | <5        |
| Nickel, total               | <4.0      | <4.0      | <4.0      | <4.0      |
| Selenium, total             | <4.0      | <4.0      | <4.0      | <4.0      |
| Silver, total               | <4        | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |           |
| Trans-1,2-dichloroethylene  | <1        | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5        | <5        | <5        |
| Trichloroethylene           | <1        | <1        | <1        | <1        |
| Trichlorofluoromethane      | <1        | <1        | <1        | <1        |
| Vanadium, total             | <20       | <20       | <20       | <20       |
| Vinyl acetate               | <5        | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <1        | <1        | <1        |
| Xylenes, total              | <2        | <2        | <2        | <2        |
| Zinc, total                 | <20       | <20       | <20       | <20       |

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

Table 9

## Analytical Data Summary for MW09-42

| Constituents                   | Units | 3/16/2016 | 6/7/2016 | 9/8/2016 | 3/17/2017 | 6/8/2017 | 9/20/2017 | 5/19/2018 | 8/9/2018 | 9/24/2018 |
|--------------------------------|-------|-----------|----------|----------|-----------|----------|-----------|-----------|----------|-----------|
| (3 4)-methylphenol             | ug/L  |           |          |          |           |          | <8        |           |          | <8        |
| 1,1,1,2-tetrachloroethane      | ug/L  | <1        | <1       | <1       | <1        |          | <1        | <1        |          | <1        |
| 1,1,1-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       | <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        |
| Aldrin                         | ug/L  |           |          |          |           |          | <.05      |           |          | <.05      |
| Allyl chloride                 | ug/L  |           |          |          |           |          | <1        |           |          | <1        |
| Alpha-bhc                      | ug/L  |           |          |          |           |          | <.05      |           |          | <.05      |
| Anthracene                     | ug/L  |           |          |          |           |          | <8        |           |          | <8        |

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

Table 9

## Analytical Data Summary for MW09-42

| Constituents                   | 12/20/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 |
|--------------------------------|------------|-----------|----------|-----------|----------|
| (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    |            | <1        | <1       | <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        | <1       | <1        | <1       |
| 1,4-naphthoquinone             |            |           |          |           |          |
| 1,4-phenylenediamine           |            |           |          |           |          |
| 1-naphthylamine                |            |           |          |           |          |
| 2,2-dichloropropane            |            |           |          |           |          |
| 2,3,4,6-tetrachlorophenol      |            |           |          |           |          |
| 2,4,5-t                        |            |           |          |           |          |
| 2,4,5-tp (silvex)              |            |           |          |           |          |
| 2,4,5-trichlorophenol          |            |           |          |           |          |
| 2,4,6-trichlorophenol          |            |           |          |           |          |
| 2,4-d                          |            |           |          |           |          |
| 2,4-dichlorophenol             |            |           |          |           |          |
| 2,4-dimethylphenol             |            |           |          |           |          |
| 2,4-dinitrophenol              |            |           |          |           |          |
| 2,4-dinitrotoluene             |            |           |          |           |          |
| 2,6-dichlorophenol             |            |           |          |           |          |
| 2,6-dinitrotoluene             |            |           |          |           |          |
| 2-acetylaminofluorene          |            |           |          |           |          |
| 2-butanone (mek)               |            | <5        | <5       | <5        | <5       |
| 2-chloronaphthalene            |            |           |          |           |          |
| 2-chlorophenol                 |            |           |          |           |          |
| 2-hexanone (mbk)               |            | <5        | <5       | <5        | <5       |
| 2-methylnaphthalene            |            |           |          |           |          |
| 2-methylphenol                 |            |           |          |           |          |
| 2-naphthylamine                |            |           |          |           |          |
| 2-nitroaniline                 |            |           |          |           |          |
| 2-nitrophenol                  |            |           |          |           |          |
| 3,3'-dichlorobenzidine         |            |           |          |           |          |
| 3,3'-dimethylbenzidine         |            |           |          |           |          |
| 3-methylcholanthrene           |            |           |          |           |          |
| 3-nitroaniline                 |            |           |          |           |          |
| 4,4'-ddd                       |            |           |          |           |          |
| 4,4'-dde                       |            |           |          |           |          |
| 4,4'-ddt                       |            |           |          |           |          |
| 4,6-dinitro-2-methylphenol     |            |           |          |           |          |
| 4-aminobiphenyl                |            |           |          |           |          |
| 4-bromophenyl phenyl ether     |            |           |          |           |          |
| 4-chloro-3-methylphenol        |            |           |          |           |          |
| 4-chloroaniline                |            |           |          |           |          |
| 4-chlorophenyl phenyl ether    |            |           |          |           |          |
| 4-methyl-2-pentanone (mibk)    |            | <5        | <5       | <5        | <5       |
| 4-nitroaniline                 |            |           |          |           |          |
| 4-nitrophenol                  |            |           |          |           |          |
| 5-nitro-o-toluidine            |            |           |          |           |          |
| 7,12-dimethylbenz(a)anthracene |            |           |          |           |          |
| Acenaphthene                   |            |           |          |           |          |
| Acenaphthylene                 |            |           |          |           |          |
| Acetone                        |            | <10       | <10      | <10       | <10      |
| Acetonitrile                   |            |           |          |           |          |
| Acetophenone                   |            |           |          |           |          |
| Acrolein                       |            |           |          |           |          |
| Acrylonitrile                  |            | <5        | <5       | <5        | <5       |
| Aldrin                         |            |           |          |           |          |
| Allyl chloride                 |            |           |          |           |          |
| Alpha-bhc                      |            |           |          |           |          |
| Anthracene                     |            |           |          |           |          |

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

Table 9

## Analytical Data Summary for MW09-42

| Constituents                 | Units | 3/16/2016 | 6/7/2016 | 9/8/2016 | 3/17/2017 | 6/8/2017 | 9/20/2017 | 5/19/2018 | 8/9/2018 | 9/24/2018 |
|------------------------------|-------|-----------|----------|----------|-----------|----------|-----------|-----------|----------|-----------|
| 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       | <4.0     | <4.0     | 4.2       |          | <4.0      | 6.7       |          | <4.0      |
| Azobenzene                   | ug/L  |           |          |          |           |          | <8        |           |          | <8        |
| Barium, total                | ug/L  | 727       | 829      | 597      | 759       | 1940     | 611       | 940       | 594      | 583       |
| 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        | <4       | <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  |           |          |          |           |          | <6        |           |          | 7         |
| 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  | 2.7       | <.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  |           |          |          |           |          | <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        | <8       | <8       | <8        |          | <8        | <8        |          | <8        |
| Chrysene                     | ug/L  |           |          |          |           |          | <8        |           |          | <8        |
| 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  | <.8       | <.8      | <.8      | <.8       |          | <.8       | .8        |          | <.8       |
| 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        |
| 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      |
| Heptachlor epoxide           | ug/L  |           |          |          |           |          | <.05      |           |          | <.05      |
| Hexachlorobenzene            | ug/L  |           |          |          |           |          | <.05      |           |          | <.05      |

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

Table 9

## Analytical Data Summary for MW09-42

| Constituents                 | 12/20/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 |
|------------------------------|------------|-----------|----------|-----------|----------|
| Antimony, total              |            | <2        | <2       | <2        | <2       |
| Arochlor 1016                |            |           |          |           |          |
| Arochlor 1221                |            |           |          |           |          |
| Arochlor 1232                |            |           |          |           |          |
| Arochlor 1242                |            |           |          |           |          |
| Arochlor 1248                |            |           |          |           |          |
| Arochlor 1254                |            |           |          |           |          |
| Arochlor 1260                |            |           |          |           |          |
| Arsenic, total               |            | 6.3       | 7.8      | 6.7       | 5.4      |
| Azobenzene                   |            |           |          |           |          |
| Barium, total                |            | 871       | 1090     | 987       | 801      |
| Benzene                      |            | <1        | <1       | <1        | <1       |
| Benzo(a)anthracene           |            |           |          |           |          |
| Benzo(a)pyrene               |            |           |          |           |          |
| Benzo(b)fluoranthene         |            |           |          |           |          |
| Benzo(g,h,i)perylene         |            |           |          |           |          |
| Benzo(k)fluoranthene         |            |           |          |           |          |
| Benzyl alcohol               |            |           |          |           |          |
| Beryllium, total             |            | <4        | <4       | <4        | <4       |
| Beta-bhc                     |            |           |          |           |          |
| Bis (2-chloroethoxy) methane |            |           |          |           |          |
| Bis(2-chloroethyl) ether     |            |           |          |           |          |
| Bis(2-chloroisopropyl) ether |            |           |          |           |          |
| Bis(2-ethylhexyl) phthalate  | <6         |           |          |           |          |
| Bromochloromethane           |            | <1        | <1       | <1        | <1       |
| Bromodichloromethane         |            | <1        | <1       | <1        | <1       |
| Bromoform                    |            | <1        | <1       | <1        | <1       |
| Bromomethane                 |            | <1        | <1       | <1        | <1       |
| Butyl benzyl phthalate       |            |           |          |           |          |
| Cadmium, total               |            | <.8       | <.8      | <.8       | <.8      |
| Carbon disulfide             |            | <1        | <1       | <1        | <1       |
| Carbon tetrachloride         |            | <1        | <1       | <1        | <1       |
| Chlordane                    |            |           |          |           |          |
| Chlorobenzene                |            | <1        | <1       | <1        | <1       |
| Chlorobenzilate              |            |           |          |           |          |
| Chloroethane                 |            | <1        | <1       | <1        | <1       |
| Chloroform                   |            | <1        | <1       | <1        | <1       |
| Chloromethane                |            | <1        | <1       | <1        | <1       |
| Chloroprene                  |            |           |          |           |          |
| Chromium, total              |            | <8        | <8       | <8        | <8       |
| Chrysene                     |            |           |          |           |          |
| Cis-1,2-dichloroethylene     |            | <1        | <1       | <1        | <1       |
| Cis-1,3-dichloropropene      |            | <1        | <1       | <1        | <1       |
| Cobalt, total                |            | <.8       | <.8      | <.8       | <.4      |
| Copper, total                |            | <4        | <4       | <4        | <4       |
| 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                   |            |           |          |           |          |
| Heptachlor epoxide           |            |           |          |           |          |
| Hexachlorobenzene            |            |           |          |           |          |

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

Table 9

## Analytical Data Summary for MW09-42

| Constituents                    | Units | 3/16/2016 | 6/7/2016 | 9/8/2016 | 3/17/2017 | 6/8/2017 | 9/20/2017 | 5/19/2018 | 8/9/2018 | 9/24/2018 |
|---------------------------------|-------|-----------|----------|----------|-----------|----------|-----------|-----------|----------|-----------|
| 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                      | ug/L  |           |          |          |           |          | <1000     |           |          | <1000     |
| 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        |          | <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  | <4        | <4       | <4       | <4        |          | <4        | <4        |          | <4        |
| 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        | <8        |          | <4        |
| Styrene                         | ug/L  | <1        | <1       | <1       | <1        |          | <1        | <1        |          | <1        |
| Sulfide, total                  | mg/L  |           |          |          |           |          | <1.0      |           |          | <.1       |
| Tetrachloroethylene             | ug/L  | <1        | <1       | <1       | <1        |          | <1        | <1        |          | <1        |
| Thallium, total                 | ug/L  | <4        | <4       | <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        |
| Toxaphene                       | ug/L  |           |          |          |           |          | <.2       |           |          | <.2       |
| 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  | <8.0      | 10.7     | <8.0     | <8.0      |          | <8.0      | 12.8      |          | <8.0      |

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

Table 9

## Analytical Data Summary for MW09-42

| Constituents                    | 12/20/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 |
|---------------------------------|------------|-----------|----------|-----------|----------|
| Hexachlorobutadiene             |            |           |          |           |          |
| Hexachlorocyclopentadiene       |            |           |          |           |          |
| Hexachloroethane                |            |           |          |           |          |
| Hexachloropropene               |            |           |          |           |          |
| Indeno(1,2,3-cd)pyrene          |            |           |          |           |          |
| Isobutanol                      |            |           |          |           |          |
| Isodrin                         |            |           |          |           |          |
| Isophorone                      |            |           |          |           |          |
| Isosafrole                      |            |           |          |           |          |
| Kepone                          |            |           |          |           |          |
| Lead, total                     |            | <4        | <4       | <4        | <4       |
| 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                   |            | <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               |            |           |          |           |          |
| Phenacetin                      |            |           |          |           |          |
| Phenanthrene                    |            |           |          |           |          |
| Phenol                          |            |           |          |           |          |
| Phorate                         |            |           |          |           |          |
| Pronamide                       |            |           |          |           |          |
| Propionitrile                   |            |           |          |           |          |
| Pyrene                          |            |           |          |           |          |
| Safrole                         |            |           |          |           |          |
| Selenium, total                 |            | <4        | <4       | <4        | <4       |
| Silver, total                   |            | <4        | <4       | <4        | <4       |
| Styrene                         |            | <1        | <1       | <1        | <1       |
| Sulfide, total                  |            |           |          |           |          |
| Tetrachloroethylene             |            | <1        | <1       | <1        | <1       |
| Thallium, total                 |            | <2        | <2       | <2        | <2       |
| Thionazin                       |            |           |          |           |          |
| Tin, total                      |            |           |          |           |          |
| Toluene                         |            | <1        | <1       | <1        | <1       |
| Toxaphene                       |            |           |          |           |          |
| Trans-1,2-dichloroethylene      |            | <1        | <1       | <1        | <1       |
| Trans-1,3-dichloropropene       |            | <1        | <1       | <1        | <1       |
| Trans-1,4-dichloro-2-butene     |            | <5        | <5       | <5        | <5       |
| Trichloroethylene               |            | <1        | <1       | <1        | <1       |
| Trichlorofluoromethane          |            | <1        | <1       | <1        | <1       |
| Vanadium, total                 |            | <20       | <20      | <20       | <20      |
| Vinyl acetate                   |            | <5        | <5       | <5        | <5       |
| Vinyl chloride                  |            | <1        | <1       | <1        | <1       |
| Xylenes, total                  |            | <2        | <2       | <2        | <2       |
| Zinc, total                     |            | <8.0      | <8.0     | <20.0     | <20.0    |

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



Table 10

## Analytical Data Summary for MW21-43

| Constituents                | Units | 3/28/2022 | 9/14/2022 | 3/20/2023 | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,1-dichloroethane          | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,1-dichloroethylene        | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | ug/L  | <5        | <5        | <5        | <5        | <5        | <5        |
| 1,2-dibromoethane           | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichloroethane          | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichloropropane         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| 2-butanone (mek)            | ug/L  | <10       | <10       | <10       | <10       | <10       | <10       |
| 2-hexanone (mbk)            | ug/L  | <5        | <5        | <5        | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | ug/L  | <5        | <5        | <5        | <5        | <5        | <5        |
| Acetone                     | ug/L  | <10       | <10       | <10       | <10       | <10       | <10       |
| Acrylonitrile               | ug/L  | <5        | <5        | <5        | <5        | <5        | <5        |
| Antimony, total             | ug/L  | <2        | <2        | <2        | <2        | <2        | <2        |
| Arsenic, total              | ug/L  | <4.0      | <4.0      | 6.5       | 10.7      | 6.4       | 9.8       |
| Barium, total               | ug/L  | 296       | 195       | 190       | 307       | 226       | 177       |
| Benzene                     | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Beryllium, total            | ug/L  | <4        | <4        | <4        | <4        | <4        | <4        |
| Bromochloromethane          | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Bromodichloromethane        | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Bromoform                   | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Bromomethane                | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Cadmium, total              | ug/L  | <.8       | <.8       | <.8       | <.8       | <.8       | <.8       |
| Carbon disulfide            | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Carbon tetrachloride        | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Chlorobenzene               | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Chloroethane                | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Chloroform                  | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Chloromethane               | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Chromium, total             | ug/L  | <8        | <8        | <8        | <8        | <8        | <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  | 2.8       | 3.2       | <.4       | .7        | <.4       | .4        |
| Copper, total               | ug/L  | <4.0      | 5.5       | 4.6       | <4.0      | 4.0       | <4.0      |
| Dibromochloromethane        | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Dibromomethane              | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Ethylbenzene                | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Lead, total                 | ug/L  | <4        | <4        | <4        | <4        | <4        | <4        |
| Methyl iodide               | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Methylene chloride          | ug/L  | <5        | <5        | <5        | <5        | <5        | <5        |
| Nickel, total               | ug/L  | 9.8       | 6.2       | 4.2       | 9.9       | 6.4       | 8.1       |
| Selenium, total             | ug/L  | <4        | <4        | <4        | <4        | <4        | <4        |
| Silver, total               | ug/L  | <4        | <4        | <4        | <4        | <4        | <4        |
| Styrene                     | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Tetrachloroethylene         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Thallium, total             | ug/L  | <2        | <2        | <2        | <2        | <2        | <2        |
| Toluene                     | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Trans-1,2-dichloroethylene  | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | ug/L  | <5        | <5        | <5        | <5        | <5        | <5        |
| Trichloroethylene           | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Trichlorofluoromethane      | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Vanadium, total             | ug/L  | <20       | <20       | <20       | <20       | <20       | <20       |
| Vinyl acetate               | ug/L  | <5        | <5        | <5        | <5        | <5        | <5        |
| Vinyl chloride              | ug/L  | <1        | <1        | <1        | <1        | <1        | <1        |
| Xylenes, total              | ug/L  | <2        | <2        | <2        | <2        | <2        | <2        |
| Zinc, total                 | ug/L  | <20       | <20       | <20       | <20       | <20       | <20       |

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

Table 11

## Analytical Data Summary for MW88-2

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 11/13/2014 | 3/17/2015 | 6/29/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 |
|-----------------------------|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|----------|-----------|
| 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  | 10.5      | 16.1      | 7.4        | <4.0      | <4.0      | <4.0      | <4.0      | 6.6      | <4.0      |
| Barium, total               | ug/L  | 426.0     | 661.0     | 751.0      | 595.0     | 451.0     | 296.0     | 95.8      | 411.0    | 179.0     |
| 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       | 4.6       | <.8      | 1.1       |
| Carbon disulfide            | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <1       | <1        |
| Carbon tetrachloride        | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <1       | <1        |
| 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  | <4.0      | <.8       | <.8        | <.8       | <.8       | <.8       | <.8       | <.8      | .8        |
| Copper, total               | ug/L  | <4.0      | <4.0      | <4.0       | <4.0      | <4.0      | <4.0      | <4.0      | <4.0     | <4.0      |
| 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      | 5.1       | <4.0     | <4.0      |
| Selenium, total             | ug/L  | <4        | <4        | <4         | <4        | <4        | <4        | <4        | <4       | <4        |
| Silver, total               | ug/L  | <4        | <4        | <4         | <4        | <4        | <4        | <4        | <4       | <4        |
| 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        |
| Total suspended solids      | mg/L  |           | 595       |            | 39        |           |           |           |          |           |
| 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      | <20.0      | <8.0      | <8.0      | <8.0      | <8.0      | <8.0     | <8.0      |

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

Table 11

Analytical Data Summary for MW88-2

| Constituents                | 9/19/2017 | 3/8/2018 | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 3/28/2022 | 9/14/2022 |
|-----------------------------|-----------|----------|-----------|-----------|----------|-----------|----------|----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <1        | <1       | <1        | <1        | <1       | <5        | <5       | <5       | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 1,2-dichloroethane          | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 1,2-dichloropropane         | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 1,4-dichlorobenzene         | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| 2-butanone (mek)            | <5        | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <10       | <10       |
| 2-hexanone (mbk)            | <5        | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5        | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5        | <5        |
| Acetone                     | <10       | <10      | <10       | <10       | <10      | <10       | <10      | <10      | <10       | <10       |
| Acrylonitrile               | <5        | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5        | <5        |
| Antimony, total             | <2        | <2       | <2        | <2        | <2       | <2        | <2       | <2       | <2        | <2        |
| Arsenic, total              | <4.0      | 6.1      | 24.3      | 11.0      | 10.6     | <4.0      | <4.0     | 10.4     | <4.0      | <4.0      |
| Barium, total               | 684.0     | 632.0    | 371.0     | 273.0     | 97.7     | 75.7      | 623.0    | 874.0    | 274.0     | 376.0     |
| Benzene                     | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| Beryllium, total            | <4        | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4        | <4        |
| 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              | 2.5       | <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        | <8       | <8        | <8        | <8       | <8        | <8       | <8       | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| Cobalt, total               | <8        | <8       | <8        | 1.0       | 1.5      | <8        | <4       | <4       | .9        | 2.6       |
| Copper, total               | 9.0       | <4.0     | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | 33.6     | <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      | 4.6       | 8.1      | <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        |
| Styrene                     | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| Tetrachloroethylene         | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| Thallium, total             | <4        | <4       | <4        | <2        | <2       | <2        | <2       | <2       | <2        | <2        |
| Toluene                     | <1        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1        | <1        |
| Total suspended solids      |           |          |           |           |          |           |          |          |           |           |
| 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                 | 13.1      | <8.0     | <8.0      | 39.1      | 23.6     | <20.0     | <20.0    | <20.0    | <20.0     | <20.0     |

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

Table 11

## Analytical Data Summary for MW88-2

| Constituents                | 3/20/2023 | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <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             | <2        | <2        | <2        | <2        |
| Arsenic, total              | <4.0      | 5.1       | 12.7      | 19.3      |
| Barium, total               | 152.0     | 287.0     | 270.0     | 357.0     |
| Benzene                     | <1        | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8       | <.8       |
| 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        | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        | <1        |
| Cobalt, total               | .8        | .4        | .8        | <.4       |
| Copper, total               | <4.0      | <4.0      | <4.0      | <4.0      |
| Dibromochloromethane        | <1        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        | <1        |
| Lead, total                 | <4        | <4        | <4        | <4        |
| Methyl iodide               | <1        | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        | <5        |
| Nickel, total               | <4.0      | <4.0      | <4.0      | <4.0      |
| Selenium, total             | <4        | <4        | <4        | <4        |
| Silver, total               | <4        | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |           |
| Trans-1,2-dichloroethylene  | <1        | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5        | <5        | <5        |
| Trichloroethylene           | <1        | <1        | <1        | <1        |
| Trichlorofluoromethane      | <1        | <1        | <1        | <1        |
| Vanadium, total             | <20       | <20       | <20       | <20       |
| Vinyl acetate               | <5        | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <1        | <1        | <1        |
| Xylenes, total              | <2        | <2        | <2        | <2        |
| Zinc, total                 | <20.0     | <20.0     | <20.0     | <20.0     |

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

Table 12

## Analytical Data Summary for MW88-3

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 | 6/8/2017 | 9/19/2017 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|
| 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        | <2        | <2        | <2        | <2        | <2       | <2        |          | <2        |
| Arsenic, total              | ug/L  | <4.0      | <4.0      | 13.5      | <4.0      | <4.0      | <4.0     | <4.0      |          | <4.0      |
| Barium, total               | ug/L  | 129.0     | 107.0     | 167.0     | 97.4      | 111.0     | 113.0    | 169.0     |          | 158.0     |
| Benzene                     | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Beryllium, total            | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        |          | <4        |
| Bromochloromethane          | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Bromodichloromethane        | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Bromoform                   | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Bromomethane                | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Cadmium, total              | ug/L  | <8        | 1.2       | <8        | <8        | 1.8       | <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  | <4.0      | .9        | 1.1       | <8        | <8        | <8       | 1.8       | .9       | 2.2       |
| Copper, total               | ug/L  | <4.0      | <4.0      | <4.0      | <4.0      | <4.0      | <4.0     | <4.0      |          | <4.0      |
| Dibromochloromethane        | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Dibromomethane              | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Ethylbenzene                | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Lead, total                 | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        |          | <4        |
| Methyl iodide               | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Methylene chloride          | ug/L  | <5        | <5        | <5        | <5        | <5        | <5       | <5        |          | <5        |
| Nickel, total               | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | 6         |          | <4        |
| Selenium, total             | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        |          | <4        |
| Silver, total               | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        |          | <4        |
| Styrene                     | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Tetrachloroethylene         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Thallium, total             | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        |          | <4        |
| Toluene                     | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        |          | <1        |
| Total suspended solids      | mg/L  |           | 408       | 81        |           |           |          |           |          |           |
| 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      | 13.3      | <8.0      | <8.0      | <8.0      | <8.0     | <8.0      |          | <8.0      |

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

Table 12

Analytical Data Summary for MW88-3

| Constituents                | 3/8/2018 | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 |
|-----------------------------|----------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,1,1-trichloroethane       | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,1,2-trichloroethane       | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,1-dichloroethane          | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,1-dichloroethylene        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,2,3-trichloropropane      | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <1       | <1        | <1        | <1       | <5        | <5       | <5       | <5       | <5        | <5        |
| 1,2-dibromoethane           | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,2-dichlorobenzene         | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,2-dichloroethane          | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,2-dichloropropane         | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,4-dichlorobenzene         | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 2-butanone (mek)            | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <10       | <10       |
| 2-hexanone (mbk)            | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        |
| Acetone                     | <10      | <10       | <10       | <10      | <10       | <10      | <10      | <10      | <10       | <10       |
| Acrylonitrile               | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        |
| Antimony, total             | <2       | <2        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        |
| Arsenic, total              | <4.0     | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | <4.0     | <4.0     | <4.0      | <4.0      |
| Barium, total               | 155.0    | 123.0     | 127.0     | 150.0    | 145.0     | 128.0    | 139.0    | 155.0    | 153.0     | 155.0     |
| Benzene                     | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Beryllium, total            | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        |
| 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       | <8        | <8        | <8       | <8        | <8       | <8       | <8       | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Cis-1,3-dichloropropene     | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Cobalt, total               | <.8      | .8        | <.8       | <.8      | <.8       | <.4      | <.4      | .8       | .4        | 6.8       |
| Copper, total               | 15.4     | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | 13.0     | <4.0     | 4.7       | <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       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        |
| Selenium, total             | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        |
| Silver, total               | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        |
| Styrene                     | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Tetrachloroethylene         | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Thallium, total             | <4       | <4        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        |
| Toluene                     | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Total suspended solids      |          |           |           |          |           |          |          |          |           |           |
| 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                 | 13.2     | <8.0      | <8.0      | <8.0     | <20.0     | <20.0    | <20.0    | <20.0    | <20.0     | <20.0     |

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

Table 12

## Analytical Data Summary for MW88-3

| Constituents                | 3/20/2023 | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <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             | <2        | <2        | <2        | <2        |
| Arsenic, total              | <4.0      | <4.0      | <4.0      | <4.0      |
| Barium, total               | 129.0     | 126.0     | 134.0     | 136.0     |
| Benzene                     | <1        | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8       | 5.6       |
| 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        | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        | <1        |
| Cobalt, total               | <.4       | .4        | <.4       | <.4       |
| Copper, total               | <4.0      | <4.0      | 18.5      | <4.0      |
| Dibromochloromethane        | <1        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        | <1        |
| Lead, total                 | <4        | <4        | <4        | <4        |
| Methyl iodide               | <1        | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        | <5        |
| Nickel, total               | <4        | <4        | <4        | <4        |
| Selenium, total             | <4        | <4        | <4        | <4        |
| Silver, total               | <4        | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |           |
| Trans-1,2-dichloroethylene  | <1        | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5        | <5        | <5        |
| Trichloroethylene           | <1        | <1        | <1        | <1        |
| Trichlorofluoromethane      | <1        | <1        | <1        | <1        |
| Vanadium, total             | <20       | <20       | <20       | <20       |
| Vinyl acetate               | <5        | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <1        | <1        | <1        |
| Xylenes, total              | <2        | <2        | <2        | <2        |
| Zinc, total                 | <20.0     | <20.0     | <20.0     | <20.0     |

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

Table 13

Analytical Data Summary for MW91-10

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 | 9/19/2017 | 3/8/2018 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| 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      | <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  | 97.6      | 92.6      | 58.1      | 79.8      | 71.9      | 72.6     | 68.5      | 72.6      | 68.3     |
| 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        | 2.6       | <8       | .9        | <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  | 7.6       | <8        | 1.2       | <8        | <8        | <8       | <8        | <8        | <8       |
| Copper, total               | ug/L  | 12.2      | <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        | <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  | 10.4      | <4.0      | 6.8       | <4.0      | <4.0      | <4.0     | <4.0      | 5.4       | <4.0     |
| Selenium, total             | ug/L  | <4.0      | <4.0      | 4.3       | <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       |
| 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       |
| Total suspended solids      | mg/L  |           | 25        | 33        |           |           |          |           |           |          |
| 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  | 28.6      | <8.0      | <8.0      | <8.0      | <8.0      | <8.0     | <8.0      | <8.0      | <8.0     |

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



Table 13

Analytical Data Summary for MW91-10

| Constituents                | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 | 3/20/2023 |
|-----------------------------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <1        | <1        | <1       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichloroethane          | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichloropropane         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 2-butanone (mek)            | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <10       | <10       | <10       |
| 2-hexanone (mbk)            | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| Acetone                     | <10       | <10       | <10      | <10       | <10      | <10      | <10      | <10       | <10       | <10       |
| Acrylonitrile               | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| Antimony, total             | <2        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        | <2        |
| Arsenic, total              | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Barium, total               | 62.0      | 65.0      | 70.7     | 66.5      | 51.1     | 46.6     | 50.0     | 43.8      | 44.5      | 39.2      |
| Benzene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| 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        | <8        | <8       | <8        | <8       | <8       | <8       | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Cobalt, total               | <.8       | <.8       | <.8      | <.8       | <.4      | <.4      | <.4      | <.4       | 2.3       | <.4       |
| Copper, total               | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | 29.0     | <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             | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | <4.0     | <4.0     | <4.0      | 4.0       | <4.0      |
| Silver, total               | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Thallium, total             | <4        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Total suspended solids      |           |           |          |           |          |          |          |           |           |           |
| 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                 | <8.0      | <8.0      | <8.0     | <20.0     | <20.0    | <20.0    | <20.0    | <20.0     | <20.0     | <20.0     |

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

Table 13

## Analytical Data Summary for MW91-10

| Constituents                | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1        |
| 1,2-dichloroethane          | <1        | <1        | <1        |
| 1,2-dichloropropane         | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | <1        | <1        | <1        |
| 2-butanone (mek)            | <10       | <10       | <10       |
| 2-hexanone (mbk)            | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5        | <5        | <5        |
| Acetone                     | <10       | <10       | <10       |
| Acrylonitrile               | <5        | <5        | <5        |
| Antimony, total             | <2        | <2        | <2        |
| Arsenic, total              | <4        | <4        | <4        |
| Barium, total               | 45.4      | 40.7      | 39.8      |
| Benzene                     | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8       |
| Carbon disulfide            | <1        | <1        | <1        |
| Carbon tetrachloride        | <1        | <1        | <1        |
| Chlorobenzene               | <1        | <1        | <1        |
| Chloroethane                | <1        | <1        | <1        |
| Chloroform                  | <1        | <1        | <1        |
| Chloromethane               | <1        | <1        | <1        |
| Chromium, total             | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        |
| Cobalt, total               | <.4       | <.4       | <.4       |
| Copper, total               | <4.0      | <4.0      | <4.0      |
| Dibromochloromethane        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        |
| Lead, total                 | <4        | <4        | <4        |
| Methyl iodide               | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        |
| Nickel, total               | <4.0      | <4.0      | <4.0      |
| Selenium, total             | <4.0      | <4.0      | 4.4       |
| Silver, total               | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |
| Trans-1,2-dichloroethylene  | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5        | <5        |
| Trichloroethylene           | <1        | <1        | <1        |
| Trichlorofluoromethane      | <1        | <1        | <1        |
| Vanadium, total             | <20       | <20       | <20       |
| Vinyl acetate               | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <1        | <1        |
| Xylenes, total              | <2        | <2        | <2        |
| Zinc, total                 | <20.0     | <20.0     | <20.0     |

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

Table 14

## Analytical Data Summary for MW91-8

| Constituents                | Units | 3/13/2014 | 9/19/2014 | 11/13/2014 | 3/17/2015 | 6/29/2015 | 9/11/2015 | 3/16/2016 | 6/7/2016 | 9/8/2016 |
|-----------------------------|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|----------|----------|
| 1,1,1,2-tetrachloroethane   | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,1,1-trichloroethane       | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,1,2,2-tetrachloroethane   | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,1,2-trichloroethane       | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,1-dichloroethane          | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,1-dichloroethylene        | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,2,3-trichloropropane      | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,2-dibromo-3-chloropropane | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,2-dibromoethane           | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,2-dichlorobenzene         | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,2-dichloroethane          | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,2-dichloropropane         | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 1,4-dichlorobenzene         | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| 2-butanone (mek)            | ug/L  | <5        | <5        | <5         | <5        | <5        | <5        | <5        | <10      | <5       |
| 2-hexanone (mbk)            | ug/L  | <5        | <5        | <5         | <5        | <5        | <5        | <5        | <10      | <5       |
| 4-methyl-2-pentanone (mibk) | ug/L  | <5        | <5        | <5         | <5        | <5        | <5        | <5        | <10      | <5       |
| Acetone                     | ug/L  | <10.0     | <10.0     | <10.0      | <10.0     | <10.0     | <10.0     | <10.0     | <20.0    | <10.0    |
| Acrylonitrile               | ug/L  | <5        | <5        | <5         | <5        | <5        | <5        | <5        | <10      | <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  | 83.4      | 84.7      | 106.0      | 102.0     | 97.8      | 104.0     | 103.0     |          | 147.0    |
| Benzene                     | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Beryllium, total            | ug/L  | <4        | <4        | <4         | <4        | <4        | <4        | <4        | <4       | <4       |
| Bromochloromethane          | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Bromodichloromethane        | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Bromoform                   | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Bromomethane                | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Cadmium, total              | ug/L  | <.8       | <.8       | <.8        | 2.3       | <.8       | 2.4       | 1.4       | <.8      | <.8      |
| Carbon disulfide            | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Carbon tetrachloride        | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Chlorobenzene               | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Chloroethane                | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Chloroform                  | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Chloromethane               | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <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        | <2       | <1       |
| Cis-1,3-dichloropropene     | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Cobalt, total               | ug/L  | <4.0      | <.8       | <.8        | <.8       | <.8       | <.8       | <.8       | <.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        | <2       | <1       |
| Dibromomethane              | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Ethylbenzene                | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <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        | <2       | <1       |
| Methylene chloride          | ug/L  | <5        | <5        | <5         | <5        | <5        | <5        | <5        | <10      | <5       |
| Nickel, total               | ug/L  | <4        | <4        | <4         | <4        | <4        | <4        | <4        | <4       | <4       |
| Selenium, total             | ug/L  | 4.3       | 5.1       | <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       |
| Styrene                     | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Tetrachloroethylene         | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Thallium, total             | ug/L  | <4        | <4        | <4         | <4        | <4        | <4        | <4        | <4       | <4       |
| Toluene                     | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Total suspended solids      | mg/L  |           | 28        |            | 14        |           |           |           |          |          |
| Trans-1,2-dichloroethylene  | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Trans-1,3-dichloropropene   | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Trans-1,4-dichloro-2-butene | ug/L  | <5        | <5        | <5         | <5        | <5        | <5        | 33        | <10      | <5       |
| Trichloroethylene           | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Trichlorofluoromethane      | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <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        | <10      | <5       |
| Vinyl chloride              | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <2       | <1       |
| Xylenes, total              | ug/L  | <2        | <2        | <2         | <2        | <2        | <2        | <2        | <4       | <2       |
| Zinc, total                 | ug/L  | <8.0      | <8.0      | <20.0      | <8.0      | <8.0      | <8.0      | <8.0      | <8.0     | <8.0     |

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

Table 14

Analytical Data Summary for MW91-8

| Constituents                | 3/17/2017 | 9/19/2017 | 12/1/2017 | 3/8/2018 | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 |
|-----------------------------|-----------|-----------|-----------|----------|-----------|-----------|----------|-----------|----------|----------|
| 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       | <1        | <1        | <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       |
| 1,4-dichlorobenzene         | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| 2-butanone (mek)            | <5        | <5        |           | <5       | <5        | <5        | <5       | <5        | <5       | <5       |
| 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     | 12.4      | <10.0     | <10.0    | <10.0     | <10.0     | <10.0    | <10.0     | <10.0    | <10.0    |
| Acrylonitrile               | <5        | <5        |           | <5       | <5        | <5        | <5       | <5        | <5       | <5       |
| Antimony, total             | <2        | <2        |           | <2       | <2        | <2        | <2       | <2        | <2       | <2       |
| Arsenic, total              | <4        | <4        |           | <4       | <4        | <4        | <4       | <4        | <4       | <4       |
| Barium, total               | 93.5      | 108.0     |           | 96.0     | 96.9      | 88.4      | 103.0    | 92.9      | 95.3     | 90.7     |
| Benzene                     | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Beryllium, total            | <4        | <4        |           | <4       | <4        | <4        | <4       | <4        | <4       | <4       |
| Bromochloromethane          | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Bromodichloromethane        | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Bromoform                   | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Bromomethane                | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Cadmium, total              | 1.3       | 2.2       |           | <8       | <8        | <8        | <8       | <8        | <8       | <8       |
| Carbon disulfide            | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Carbon tetrachloride        | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Chlorobenzene               | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Chloroethane                | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Chloroform                  | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Chloromethane               | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Chromium, total             | <8        | <8        |           | <8       | <8        | <8        | <8       | <8        | <8       | <8       |
| Cis-1,2-dichloroethylene    | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Cis-1,3-dichloropropene     | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Cobalt, total               | <8        | <8        |           | <8       | <8        | <8        | <8       | <8        | <4       | <4       |
| Copper, total               | <4        | <4        |           | <4       | <4        | <4        | <4       | <4        | <4       | <4       |
| Dibromochloromethane        | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Dibromomethane              | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Ethylbenzene                | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Lead, total                 | <4        | <4        |           | <4       | <4        | <4        | <4       | <4        | <4       | <4       |
| Methyl iodide               | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Methylene chloride          | <5        | <5        |           | <5       | <5        | <5        | <5       | <5        | <5       | <5       |
| Nickel, total               | <4        | <4        |           | <4       | <4        | <4        | <4       | <4        | <4       | <4       |
| Selenium, total             | <4.0      | <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       |
| Tetrachloroethylene         | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Thallium, total             | <4        | <4        |           | <4       | <4        | <2        | <2       | <2        | <2       | <2       |
| Toluene                     | <1        | <1        |           | <1       | <1        | <1        | <1       | <1        | <1       | <1       |
| Total suspended solids      |           |           |           |          |           |           |          |           |          |          |
| 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                 | 8.7       | <8.0      |           | <8.0     | <8.0      | <8.0      | <8.0     | <20.0     | <20.0    | <20.0    |

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

Table 14

## Analytical Data Summary for MW91-8

| Constituents                | 9/7/2021 | 3/28/2022 | 9/14/2022 | 3/20/2023 | 9/13/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 | <5       | <5        | <5        | <5        | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichloroethane          | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichloropropane         | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| 2-butanone (mek)            | <5       | <10       | <10       | <10       | <10       | <10       | <10       |
| 2-hexanone (mbk)            | <5       | <5        | <5        | <5        | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5       | <5        | <5        | <5        | <5        | <5        | <5        |
| Acetone                     | <10.0    | <10.0     | <10.0     | <10.0     | <10.0     | <10.0     | <10.0     |
| Acrylonitrile               | <5       | <5        | <5        | <5        | <5        | <5        | <5        |
| Antimony, total             | <2       | <2        | <2        | <2        | <2        | <2        | <2        |
| Arsenic, total              | <4       | <4        | <4        | <4        | <4        | <4        | <4        |
| Barium, total               | 118.0    | 101.0     | 125.0     | 109.0     | 123.0     | 107.0     | 109.0     |
| Benzene                     | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Beryllium, total            | <4       | <4        | <4        | <4        | <4        | <4        | <4        |
| Bromochloromethane          | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Bromodichloromethane        | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Bromoform                   | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Bromomethane                | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Cadmium, total              | <.8      | <.8       | <.8       | <.8       | <.8       | <.8       | <.8       |
| Carbon disulfide            | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Carbon tetrachloride        | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Chlorobenzene               | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Chloroethane                | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Chloroform                  | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Chloromethane               | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Chromium, total             | <8       | <8        | <8        | <8        | <8        | <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               | <.4      | <.4       | 2.7       | <.4       | <.4       | <.4       | <.4       |
| Copper, total               | <4       | <4        | <4        | <4        | <4        | <4        | <4        |
| Dibromochloromethane        | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Dibromomethane              | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Ethylbenzene                | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Lead, total                 | <4       | <4        | <4        | <4        | <4        | <4        | <4        |
| Methyl iodide               | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Methylene chloride          | <5       | <5        | <5        | <5        | <5        | <5        | <5        |
| Nickel, total               | <4       | <4        | <4        | <4        | <4        | <4        | <4        |
| 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        |
| Styrene                     | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Tetrachloroethylene         | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Thallium, total             | <2       | <2        | <2        | <2        | <2        | <2        | <2        |
| Toluene                     | <1       | <1        | <1        | <1        | <1        | <1        | <1        |
| Total suspended solids      |          |           |           |           |           |           |           |
| 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                 | <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 15

Analytical Data Summary for MW94-18

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 | 9/19/2017 | 3/8/2018 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| 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      | <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  | 41.5      | 47.6      | 33.1      | 42.9      | 42.3      | 42.3     | 37.7      | 42.4      | 29.6     |
| 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        | 3.1       | <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  | <4.0      | <8        | <8        | <8        | <8        | <8       | <8        | <8        | <8       |
| Copper, total               | ug/L  | <4.0      | <4.0      | <4.0      | <4.0      | <4.0      | <4.0     | <4.0      | <4.0      | <4.0     |
| 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  | <4.0      | <4.0      | 4.4       | <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       |
| 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       |
| Total suspended solids      | mg/L  |           | 43        | 10        |           |           |          |           |           |          |
| 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      | <8.0      | <8.0      | <8.0      | <8.0     | <8.0      | <8.0      | <8.0     |

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

Table 15

Analytical Data Summary for MW94-18

| Constituents                | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 | 3/20/2023 |
|-----------------------------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <1        | <1        | <1       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichloroethane          | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,2-dichloropropane         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| 2-butanone (mek)            | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <10       | <10       | <10       |
| 2-hexanone (mbk)            | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| Acetone                     | <10       | <10       | <10      | <10       | <10      | <10      | <10      | <10       | <10       | <10       |
| Acrylonitrile               | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        | <5        |
| Antimony, total             | <2        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        | <2        |
| Arsenic, total              | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Barium, total               | 32.0      | 26.2      | 31.3     | <4.0      | 25.6     | 23.6     | 31.4     | 23.3      | 31.6      | 22.4      |
| Benzene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| 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        | <8        | <8       | <8        | <8       | <8       | <8       | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Cobalt, total               | <.8       | <.8       | <.8      | <.8       | <.4      | <.4      | <.4      | <.4       | 2.1       | <.4       |
| Copper, total               | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | 46.2     | <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        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Selenium, total             | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | <4.0     | 4.3      | <4.0      | <4.0      | 4.0       |
| Silver, total               | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Thallium, total             | <4        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        | <1        |
| Total suspended solids      |           |           |          |           |          |          |          |           |           |           |
| 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                 | <8.0      | <8.0      | 16.4     | <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 15

## Analytical Data Summary for MW94-18

| Constituents                | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1        |
| 1,2-dichloroethane          | <1        | <1        | <1        |
| 1,2-dichloropropane         | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | <1        | <1        | <1        |
| 2-butanone (mek)            | <10       | <10       | <10       |
| 2-hexanone (mbk)            | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5        | <5        | <5        |
| Acetone                     | <10       | <10       | <10       |
| Acrylonitrile               | <5        | <5        | <5        |
| Antimony, total             | <2        | <2        | <2        |
| Arsenic, total              | <4        | <4        | <4        |
| Barium, total               | 39.7      | 24.4      | 27.6      |
| Benzene                     | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8       |
| Carbon disulfide            | <1        | <1        | <1        |
| Carbon tetrachloride        | <1        | <1        | <1        |
| Chlorobenzene               | <1        | <1        | <1        |
| Chloroethane                | <1        | <1        | <1        |
| Chloroform                  | <1        | <1        | <1        |
| Chloromethane               | <1        | <1        | <1        |
| Chromium, total             | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        |
| Cobalt, total               | <.4       | <.4       | <.4       |
| Copper, total               | <4.0      | 5.7       | <4.0      |
| Dibromochloromethane        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        |
| Lead, total                 | <4        | <4        | <4        |
| Methyl iodide               | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        |
| Nickel, total               | <4        | <4        | <4        |
| Selenium, total             | <4.0      | <4.0      | <4.0      |
| Silver, total               | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |
| Trans-1,2-dichloroethylene  | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5        | <5        |
| Trichloroethylene           | <1        | <1        | <1        |
| Trichlorofluoromethane      | <1        | <1        | <1        |
| Vanadium, total             | <20       | <20       | <20       |
| Vinyl acetate               | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <1        | <1        |
| Xylenes, total              | <2        | <2        | <2        |
| Zinc, total                 | <20.0     | <20.0     | <20.0     |

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



Table 16

Analytical Data Summary for MW94-19

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 | 9/19/2017 | 3/8/2018 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| 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      | <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  | 174.0     | 93.2      | 82.0      | 66.0      | 81.7      | 75.8     | 96.3      | 108.0     | 83.3     |
| 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  | 3.2       | <8        | <8        | .8        | 1.0       | <8       | 3.1       | <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  | 5.7       | <8        | <8        | 1.0       | .9        | <8       | 1.0       | 1.3       | <8       |
| Copper, total               | ug/L  | 21.3      | <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        | <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  | 39.7      | 4.2       | <4.0      | 6.0       | 10.5      | 6.2      | 10.0      | 8.1       | <4.0     |
| Selenium, total             | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4       |
| Silver, total               | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4       |
| 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       |
| Total suspended solids      | mg/L  |           | 207       | 29        |           |           |          |           |           |          |
| 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  | 49.3      | <8.0      | <8.0      | <8.0      | <8.0      | <8.0     | <8.0      | <8.0      | <8.0     |

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

Table 16

## Analytical Data Summary for MW94-19

| Constituents                | 9/24/2018 | 3/25/2019 |
|-----------------------------|-----------|-----------|
| 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 | <1        | <1        |
| 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)            | <5        | <5        |
| 2-hexanone (mbk)            | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5        | <5        |
| Acetone                     | <10       | <10       |
| Acrylonitrile               | <5        | <5        |
| Antimony, total             | <2        | <2        |
| Arsenic, total              | <4        | <4        |
| Barium, total               | 86.7      | 84.3      |
| Benzene                     | <1        | <1        |
| Beryllium, total            | <4        | <4        |
| Bromochloromethane          | <1        | <1        |
| Bromodichloromethane        | <1        | <1        |
| Bromoform                   | <1        | <1        |
| Bromomethane                | <1        | <1        |
| Cadmium, total              | <.8       | <.8       |
| Carbon disulfide            | <1        | <1        |
| Carbon tetrachloride        | <1        | <1        |
| Chlorobenzene               | <1        | <1        |
| Chloroethane                | <1        | <1        |
| Chloroform                  | <1        | <1        |
| Chloromethane               | <1        | <1        |
| Chromium, total             | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        |
| Cobalt, total               | <.8       | <.8       |
| Copper, total               | <4.0      | <4.0      |
| Dibromochloromethane        | <1        | <1        |
| Dibromomethane              | <1        | <1        |
| Ethylbenzene                | <1        | <1        |
| Lead, total                 | <4        | <4        |
| Methyl iodide               | <1        | <1        |
| Methylene chloride          | <5        | <5        |
| Nickel, total               | <4.0      | 8.5       |
| Selenium, total             | <4        | <4        |
| Silver, total               | <4        | <4        |
| Styrene                     | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        |
| Thallium, total             | <4        | <2        |
| Toluene                     | <1        | <1        |
| Total suspended solids      |           |           |
| Trans-1,2-dichloroethylene  | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5        |
| Trichloroethylene           | <1        | <1        |
| Trichlorofluoromethane      | <1        | <1        |
| Vanadium, total             | <20       | <20       |
| Vinyl acetate               | <5        | <5        |
| Vinyl chloride              | <1        | <1        |
| Xylenes, total              | <2        | <2        |
| Zinc, total                 | <8.0      | <8.0      |

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

Table 17

Analytical Data Summary for MW96-21

| Constituents                   | Units | 3/14/2014 | 9/18/2014 | 3/17/2017 | 9/20/2017 | 3/8/2018 | 9/24/2018 | 12/20/2018 | 3/25/2019 |
|--------------------------------|-------|-----------|-----------|-----------|-----------|----------|-----------|------------|-----------|
| (3 4)-methylphenol             | ug/L  |           |           |           | <8        |          | <8        |            |           |
| 1,1,1,2-tetrachloroethane      | ug/L  | <1        | <1        | <1        | <1        | <1       | <1        |            | <1        |
| 1,1,1-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       | <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        |
| Aldrin                         | ug/L  |           |           |           | <.05      |          | <.05      |            |           |
| Allyl chloride                 | ug/L  |           |           |           | <1        |          | <1        |            |           |
| Alpha-bhc                      | ug/L  |           |           |           | <.05      |          | <.05      |            |           |
| Anthracene                     | ug/L  |           |           |           | <8        |          | <8        |            |           |

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

Table 17

Analytical Data Summary for MW96-21

| Constituents                   | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 | 3/20/2023 | 9/12/2023 |
|--------------------------------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| (3 4)-methylphenol             |          |           |          |          |          |           |           |           | <8        |
| 1,1,1,2-tetrachloroethane      | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| 1,1,1-trichloroethane          | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane      | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| 1,1,2-trichloroethane          | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| 1,1-dichloroethane             | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| 1,1-dichloroethylene           | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| 1,1-dichloropropene            |          |           |          |          |          |           |           |           | <1        |
| 1,2,3-trichloropropane         | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| 1,2,4,5-tetrachlorobenzene     |          |           |          |          |          |           |           |           | <8        |
| 1,2,4-trichlorobenzene         |          |           |          |          |          |           |           |           | <1        |
| 1,2-dibromo-3-chloropropane    | <1       | <5        | <5       | <5       | <5       | <25       | <5        | <5        | <1        |
| 1,2-dibromoethane              | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| 1,2-dichlorobenzene            | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| 1,2-dichloroethane             | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| 1,2-dichloropropane            | <1       | <1        | <1       | <1       | <1       | <5        | <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       | <5        | <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       | <50       | <10       | <10       | <5        |
| 2-chloronaphthalene            |          |           |          |          |          |           |           |           | <8        |
| 2-chlorophenol                 |          |           |          |          |          |           |           |           | <8        |
| 2-hexanone (mbk)               | <5       | <5        | <5       | <5       | <5       | <25       | <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       | <25       | <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      | <50       | <10       | <10       | <10       |
| Acetonitrile                   |          |           |          |          |          |           |           |           | <10       |
| Acetophenone                   |          |           |          |          |          |           |           |           | <8        |
| Acrolein                       |          |           |          |          |          |           |           |           | <10       |
| Acrylonitrile                  | <5       | <5        | <5       | <5       | <5       | <25       | <5        | <5        | <5        |
| Aldrin                         |          |           |          |          |          |           |           |           | <.05      |
| Allyl chloride                 |          |           |          |          |          |           |           |           | <1        |
| Alpha-bhc                      |          |           |          |          |          |           |           |           | <.05      |
| Anthracene                     |          |           |          |          |          |           |           |           | <8        |

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

Table 17

## Analytical Data Summary for MW96-21

| Constituents                   | 3/12/2024 | 9/30/2024 |
|--------------------------------|-----------|-----------|
| (3,4)-methylphenol             | <.8       |           |
| 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       |           |
| 1,2,3-trichloropropane         | <.1       | <.1       |
| 1,2,4,5-tetrachlorobenzene     | <.8       |           |
| 1,2,4-trichlorobenzene         | <.1       |           |
| 1,2-dibromo-3-chloropropane    | <.1       | <.5       |
| 1,2-dibromoethane              | <.1       | <.1       |
| 1,2-dichlorobenzene            | <.1       | <.1       |
| 1,2-dichloroethane             | <.1       | <.1       |
| 1,2-dichloropropane            | <.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       |
| 1,4-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      |
| 2-chloronaphthalene            | <.8       |           |
| 2-chlorophenol                 | <.8       |           |
| 2-hexanone (mbk)               | <.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       |
| 4-nitroaniline                 | <.8       |           |
| 4-nitrophenol                  | <.8       |           |
| 5-nitro-o-toluidine            | <.8       |           |
| 7,12-dimethylbenz(a)anthracene | <.8       |           |
| Acenaphthene                   | <.8       |           |
| Acenaphthylene                 | <.8       |           |
| Acetone                        | <.10      | <.10      |
| Acetonitrile                   | <.10      |           |
| Acetophenone                   | <.8       |           |
| Acrolein                       | <.10      |           |
| Acrylonitrile                  | <.5       | <.5       |
| Aldrin                         | <.05      |           |
| Allyl chloride                 | <.1       |           |
| Alpha-bhc                      | <.05      |           |
| Anthracene                     | <.8       |           |

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

Table 17

## Analytical Data Summary for MW96-21

| Constituents                 | Units | 3/14/2014 | 9/18/2014 | 3/17/2017 | 9/20/2017 | 3/8/2018 | 9/24/2018 | 12/20/2018 | 3/25/2019 |
|------------------------------|-------|-----------|-----------|-----------|-----------|----------|-----------|------------|-----------|
| 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  | 7.1       | 30.7      | 8.8       | 13.1      | 12.7     |           | 13.6       | 11.7      |
| Azobenzene                   | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Barium, total                | ug/L  | 238       | 441       | 196       | 285       | 267      |           | 245        | 267       |
| 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     |           | <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        |
| 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       | 2.5       | <.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     |           | <8.0       | <8.0      |
| Chrysene                     | ug/L  |           |           |           | <8        |          | <8        |            |           |
| 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  | <4.0      | 2.5       | 1.8       | <.8       | <.8      |           | 1.1        | 1.0       |
| Copper, total                | ug/L  | <4.0      | 5.9       | <4.0      | <4.0      | <4.0     |           | <4.0       | <4.0      |
| 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      |            |           |
| Heptachlor epoxide           | ug/L  |           |           |           | <.05      |          | <.05      |            |           |
| Hexachlorobenzene            | ug/L  |           |           |           | <.05      |          | <.05      |            |           |

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

Table 17

Analytical Data Summary for MW96-21

| Constituents                 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 | 3/20/2023 | 9/12/2023 |
|------------------------------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| Antimony, total              | <2       | <2        | <2       | <2       | <2       | <2        | <2        | <2        | <2        |
| Arochlor 1016                |          |           |          |          |          |           |           |           | <.2       |
| Arochlor 1221                |          |           |          |          |          |           |           |           | <.2       |
| Arochlor 1232                |          |           |          |          |          |           |           |           | <.2       |
| Arochlor 1242                |          |           |          |          |          |           |           |           | <.2       |
| Arochlor 1248                |          |           |          |          |          |           |           |           | <.2       |
| Arochlor 1254                |          |           |          |          |          |           |           |           | <.2       |
| Arochlor 1260                |          |           |          |          |          |           |           |           | <.2       |
| Arsenic, total               | 16.7     | 27.9      | 21.7     | 17.0     | 29.3     | 80.6      | 13.3      | 45.4      | 12.7      |
| Azobenzene                   |          |           |          |          |          |           |           |           | <.8       |
| Barium, total                | 295      | 318       | 263      | 253      | 275      | 1990      | 248       | 421       | 224       |
| Benzene                      | <1       | <1        | <1       | <1       | <1       | <5        | <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     | 6.2       | <4.0      | <4.0      | <4.0      |
| Beta-bhc                     |          |           |          |          |          |           |           |           | <.05      |
| Bis (2-chloroethoxy) methane |          |           |          |          |          |           |           |           | <.8       |
| Bis(2-chloroethyl) ether     |          |           |          |          |          |           |           |           | <.8       |
| Bis(2-chloroisopropyl) ether |          |           |          |          |          |           |           |           | <.8       |
| Bis(2-ethylhexyl) phthalate  |          |           |          |          |          |           |           |           | <.6       |
| Bromochloromethane           | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Bromodichloromethane         | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Bromoform                    | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Bromomethane                 | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Butyl benzyl phthalate       |          |           |          |          |          |           |           |           | <.8       |
| Cadmium, total               | <.8      | <.8       | <.8      | <.8      | <.8      | 4.4       | <.8       | <.8       | <.8       |
| Carbon disulfide             | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Carbon tetrachloride         | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Chlordane                    |          |           |          |          |          |           |           |           | <.1       |
| Chlorobenzene                | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Chlorobenzilate              |          |           |          |          |          |           |           |           | <.8       |
| Chloroethane                 | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Chloroform                   | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Chloromethane                | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Chloroprene                  |          |           |          |          |          |           |           |           | <1        |
| Chromium, total              | <8.0     | <8.0      | <8.0     | <8.0     | <8.0     | 148.0     | <8.0      | 10.2      | <8.0      |
| Chrysene                     |          |           |          |          |          |           |           |           | <.8       |
| Cis-1,2-dichloroethylene     | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Cis-1,3-dichloropropene      | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Cobalt, total                | 2.5      | .8        | <.4      | <.4      | .4       | 79.4      | 2.5       | 4.3       | .8        |
| Copper, total                | 6.7      | 5.5       | <4.0     | 4.2      | <4.0     | 190.0     | 5.2       | 10.4      | <4.0      |
| Cyanide, total               |          |           |          |          |          |           |           |           | <.005     |
| Delta-bhc                    |          |           |          |          |          |           |           |           | <.05      |
| Diallate                     |          |           |          |          |          |           |           |           | <.8       |
| Dibenzo(a,h)anthracene       |          |           |          |          |          |           |           |           | <.8       |
| Dibenzofuran                 |          |           |          |          |          |           |           |           | <.8       |
| Dibromochloromethane         | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Dibromomethane               | <1       | <1        | <1       | <1       | <1       | <5        | <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       | <5        | <1        | <1        | <1        |
| Famphur                      |          |           |          |          |          |           |           |           | <.4       |
| Fluoranthene                 |          |           |          |          |          |           |           |           | <.8       |
| Fluorene                     |          |           |          |          |          |           |           |           | <.8       |
| Gamma-bhc (lindane)          |          |           |          |          |          |           |           |           | <.05      |
| Heptachlor                   |          |           |          |          |          |           |           |           | <.05      |
| Heptachlor epoxide           |          |           |          |          |          |           |           |           | <.05      |
| Hexachlorobenzene            |          |           |          |          |          |           |           |           | <.05      |

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

Table 17

## Analytical Data Summary for MW96-21

| Constituents                 | 3/12/2024 | 9/30/2024 |
|------------------------------|-----------|-----------|
| Antimony, total              |           | <2        |
| Arochlor 1016                | <.2       |           |
| Arochlor 1221                | <.2       |           |
| Arochlor 1232                | <.2       |           |
| Arochlor 1242                | <.2       |           |
| Arochlor 1248                | <.2       |           |
| Arochlor 1254                | <.2       |           |
| Arochlor 1260                | <.2       |           |
| Arsenic, total               |           | 27.0      |
| Azobenzene                   | <8        |           |
| Barium, total                |           | 369       |
| Benzene                      | <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      |
| Beta-bhc                     | <.05      |           |
| Bis (2-chloroethoxy) methane | <8        |           |
| Bis(2-chloroethyl) ether     | <8        |           |
| Bis(2-chloroisopropyl) ether | <8        |           |
| Bis(2-ethylhexyl) phthalate  | <6        |           |
| Bromochloromethane           | <1        | <1        |
| Bromodichloromethane         | <1        | <1        |
| Bromoform                    | <1        | <1        |
| Bromomethane                 | <1        | <1        |
| Butyl benzyl phthalate       | <8        |           |
| Cadmium, total               |           | <.8       |
| Carbon disulfide             | <1        | <1        |
| Carbon tetrachloride         | <1        | <1        |
| Chlordane                    | <.1       |           |
| Chlorobenzene                | <1        | <1        |
| Chlorobenzilate              | <8        |           |
| Chloroethane                 | <1        | <1        |
| Chloroform                   | <1        | <1        |
| Chloromethane                | <1        | <1        |
| Chloroprene                  | <1        |           |
| Chromium, total              |           | 9.5       |
| Chrysene                     | <8        |           |
| Cis-1,2-dichloroethylene     | <1        | <1        |
| Cis-1,3-dichloropropene      | <1        | <1        |
| Cobalt, total                |           | 4.0       |
| Copper, total                |           | 11.4      |
| Cyanide, total               | <.005     |           |
| Delta-bhc                    | <.05      |           |
| Diallate                     | <8        |           |
| Dibenzo(a,h)anthracene       | <8        |           |
| Dibenzofuran                 | <8        |           |
| Dibromochloromethane         | <1        | <1        |
| Dibromomethane               | <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        |
| Famphur                      | <.4       |           |
| Fluoranthene                 | <8        |           |
| Fluorene                     | <8        |           |
| Gamma-bhc (lindane)          | <.05      |           |
| Heptachlor                   | <.05      |           |
| Heptachlor epoxide           | <.05      |           |
| Hexachlorobenzene            | <.05      |           |

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



Table 17

## Analytical Data Summary for MW96-21

| Constituents                    | Units | 3/14/2014 | 9/18/2014 | 3/17/2017 | 9/20/2017 | 3/8/2018 | 9/24/2018 | 12/20/2018 | 3/25/2019 |
|---------------------------------|-------|-----------|-----------|-----------|-----------|----------|-----------|------------|-----------|
| 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                      | ug/L  |           |           |           | <1000     |          | <1000     |            |           |
| Isodrin                         | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Isophorone                      | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Isosafrole                      | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Kepone                          | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Lead, total                     | ug/L  | <4.0      | 8.4       | <4.0      | <4.0      | <4.0     |           | <4.0       | <4.0      |
| Mercury, total                  | ug/L  |           |           |           | <.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  | <4.0      | 7.5       | 6.3       | <4.0      | <4.0     |           | <4.0       | <4.0      |
| Nitrobenzene                    | ug/L  |           |           |           | <8        |          | <8        |            |           |
| N-nitrosodiethylamine           | ug/L  |           |           |           | <8        |          | <8        |            |           |
| N-nitrosodimethylamine          | ug/L  |           |           |           | <8        |          | <8        |            |           |
| N-nitrosodi-n-butylamine        | ug/L  |           |           |           | <8        |          | <8        |            |           |
| N-nitroso-di-n-propylamine      | ug/L  |           |           |           | <8        |          | <8        |            |           |
| N-nitrosodiphenylamine          | ug/L  |           |           |           | <8        |          | <8        |            |           |
| N-nitrosomethylethylamine       | ug/L  |           |           |           | <8        |          | <8        |            |           |
| N-nitrosopiperidine             | ug/L  |           |           |           | <8        |          | <8        |            |           |
| N-nitrosopyrrolidine            | ug/L  |           |           |           | <8        |          | <8        |            |           |
| O,o,o-triethyl phosphorothioate | ug/L  |           |           |           | <.4       |          | <.4       |            |           |
| O-toluidine                     | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Parathion                       | ug/L  |           |           |           | <.4       |          | <.4       |            |           |
| P-dimethylaminoazobenzene       | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Pentachlorobenzene              | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Pentachloronitrobenzene (pcnb)  | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Pentachlorophenol               | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Phenacetin                      | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Phenanthrene                    | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Phenol                          | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Phorate                         | ug/L  |           |           |           | <.4       |          | <.4       |            |           |
| Pronamide                       | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Propionitrile                   | ug/L  |           |           |           | <10       |          | <10       |            |           |
| Pyrene                          | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Safrole                         | ug/L  |           |           |           | <8        |          | <8        |            |           |
| Selenium, total                 | ug/L  | <4.0      | <4.0      | <4.0      | <4.0      | <4.0     |           | <4.0       | <4.0      |
| Silver, total                   | ug/L  | <4        | <4        | <4        | <4        | <4       |           | <4         | <4        |
| Styrene                         | ug/L  | <1        | <1        | <1        | <1        | <1       | <1        |            | <1        |
| Sulfide, total                  | mg/L  |           |           |           | <1.00     |          | .11       |            |           |
| Tetrachloroethylene             | ug/L  | <1        | <1        | <1        | <1        | <1       | <1        |            | <1        |
| Thallium, total                 | ug/L  | <4        | <4        | <4        | <4        | <4       |           | <4         | <2        |
| Thionazin                       | ug/L  |           |           |           | <.4       |          | <.4       |            |           |
| Tin, total                      | ug/L  |           |           |           | <20       |          |           |            |           |
| Toluene                         | ug/L  | <1        | <1        | <1        | <1        | <1       | <1        |            | <1        |
| Total suspended solids          | mg/L  |           | 542       |           |           |          |           |            |           |
| Toxaphene                       | ug/L  |           |           |           | <.2       |          | <.2       |            |           |
| 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  | <8.0      | 22.0      | <8.0      | <8.0      | <8.0     |           | 31.0       | 20.6      |

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

Table 17

Analytical Data Summary for MW96-21

| Constituents                    | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 | 3/20/2023 | 9/12/2023 |
|---------------------------------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| Hexachlorobutadiene             |          |           |          |          |          |           |           |           | <8        |
| Hexachlorocyclopentadiene       |          |           |          |          |          |           |           |           | <8        |
| Hexachloroethane                |          |           |          |          |          |           |           |           | <8        |
| Hexachloropropene               |          |           |          |          |          |           |           |           | <8        |
| Indeno(1,2,3-cd)pyrene          |          |           |          |          |          |           |           |           | <8        |
| Isobutanol                      |          |           |          |          |          |           |           |           | <1000     |
| Isodrin                         |          |           |          |          |          |           |           |           | <8        |
| Isophorone                      |          |           |          |          |          |           |           |           | <8        |
| Isosafrole                      |          |           |          |          |          |           |           |           | <8        |
| Kepone                          |          |           |          |          |          |           |           |           | <8        |
| Lead, total                     | <4.0     | <4.0      | <4.0     | <4.0     | <4.0     | 171.0     | <4.0      | 6.7       | <4.0      |
| Mercury, total                  |          |           |          |          |          |           |           |           | <.5       |
| Methacrylonitrile               |          |           |          |          |          |           |           |           | <1        |
| Methapyrene                     |          |           |          |          |          |           |           |           | <8        |
| Methoxychlor                    |          |           |          |          |          |           |           |           | <.05      |
| Methyl iodide                   | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <2        |
| Methyl methacrylate             |          |           |          |          |          |           |           |           | <1        |
| Methyl methanesulfonate         |          |           |          |          |          |           |           |           | <8        |
| Methyl parathion                |          |           |          |          |          |           |           |           | <.4       |
| Methylene chloride              | <5       | <5        | <5       | <5       | <5       | <25       | <5        | <5        | <5        |
| Naphthalene                     |          |           |          |          |          |           |           |           | <8        |
| Nickel, total                   | 6.7      | <4.0      | <4.0     | <4.0     | <4.0     | 195.0     | <4.0      | 12.4      | <4.0      |
| Nitrobenzene                    |          |           |          |          |          |           |           |           | <8        |
| N-nitrosodiethylamine           |          |           |          |          |          |           |           |           | <8        |
| N-nitrosodimethylamine          |          |           |          |          |          |           |           |           | <8        |
| N-nitrosodi-n-butylamine        |          |           |          |          |          |           |           |           | <8        |
| N-nitroso-di-n-propylamine      |          |           |          |          |          |           |           |           | <8        |
| N-nitrosodiphenylamine          |          |           |          |          |          |           |           |           | <8        |
| N-nitrosomethylethylamine       |          |           |          |          |          |           |           |           | <8        |
| N-nitrosopiperidine             |          |           |          |          |          |           |           |           | <8        |
| N-nitrosopyrrolidine            |          |           |          |          |          |           |           |           | <8        |
| O,o,o-triethyl phosphorothioate |          |           |          |          |          |           |           |           | <.4       |
| O-toluidine                     |          |           |          |          |          |           |           |           | <8        |
| Parathion                       |          |           |          |          |          |           |           |           | <.4       |
| P-dimethylaminoazobenzene       |          |           |          |          |          |           |           |           | <8        |
| Pentachlorobenzene              |          |           |          |          |          |           |           |           | <8        |
| Pentachloronitrobenzene (pcnb)  |          |           |          |          |          |           |           |           | <8        |
| Pentachlorophenol               |          |           |          |          |          |           |           |           | <8        |
| Phenacetin                      |          |           |          |          |          |           |           |           | <8        |
| Phenanthrene                    |          |           |          |          |          |           |           |           | <8        |
| Phenol                          |          |           |          |          |          |           |           |           | <8        |
| Phorate                         |          |           |          |          |          |           |           |           | <.4       |
| Pronamide                       |          |           |          |          |          |           |           |           | <8        |
| Propionitrile                   |          |           |          |          |          |           |           |           | <10       |
| Pyrene                          |          |           |          |          |          |           |           |           | <8        |
| Safrole                         |          |           |          |          |          |           |           |           | <8        |
| Selenium, total                 | <4.0     | <4.0      | <4.0     | <4.0     | <4.0     | 13.7      | <4.0      | <4.0      | <4.0      |
| Silver, total                   | <4       | <4        | <4       | <4       | <4       | <4        | <4        | <4        | <4        |
| Styrene                         | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Sulfide, total                  |          |           |          |          |          |           |           |           | <.10      |
| Tetrachloroethylene             | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Thallium, total                 | <2       | <2        | <2       | <2       | <2       | 2         | <2        | <2        | <2        |
| Thionazin                       |          |           |          |          |          |           |           |           | <.4       |
| Tin, total                      |          |           |          |          |          |           |           |           | <20       |
| Toluene                         | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Total suspended solids          |          |           |          |          |          |           |           |           | <.2       |
| Toxaphene                       |          |           |          |          |          |           |           |           | <1        |
| Trans-1,2-dichloroethylene      | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Trans-1,3-dichloropropene       | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene     | <5       | <5        | <5       | <5       | <5       | <25       | <5        | <5        | <5        |
| Trichloroethylene               | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Trichlorofluoromethane          | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Vanadium, total                 | <20      | <20       | <20      | <20      | <20      | 216       | <20       | <20       | <20       |
| Vinyl acetate                   | <5       | <5        | <5       | <5       | <5       | <25       | <5        | <5        | <5        |
| Vinyl chloride                  | <1       | <1        | <1       | <1       | <1       | <5        | <1        | <1        | <1        |
| Xylenes, total                  | <2       | <2        | <2       | <2       | <2       | <10       | <2        | <2        | <2        |
| Zinc, total                     | 18.5     | <20.0     | <20.0    | <20.0    | <20.0    | 399.0     | <20.0     | 26.2      | <20.0     |

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

Table 17

## Analytical Data Summary for MW96-21

| Constituents                    | 3/12/2024 | 9/30/2024 |
|---------------------------------|-----------|-----------|
| Hexachlorobutadiene             | <8        |           |
| Hexachlorocyclopentadiene       | <8        |           |
| Hexachloroethane                | <8        |           |
| Hexachloropropene               | <8        |           |
| Indeno(1,2,3-cd)pyrene          | <8        |           |
| Isobutanol                      | <1000     |           |
| Isodrin                         | <8        |           |
| Isophorone                      | <8        |           |
| Isosafrole                      | <8        |           |
| Kepone                          | <8        |           |
| Lead, total                     |           | 6.2       |
| Mercury, total                  |           |           |
| Methacrylonitrile               | <1        |           |
| Methapyrilene                   | <8        |           |
| Methoxychlor                    | <.05      |           |
| Methyl iodide                   | <2        | <1        |
| Methyl methacrylate             | <1        |           |
| Methyl methanesulfonate         | <8        |           |
| Methyl parathion                | <.4       |           |
| Methylene chloride              | <.5       | <5        |
| Naphthalene                     | <8        |           |
| Nickel, total                   |           | 11.3      |
| Nitrobenzene                    | <8        |           |
| N-nitrosodiethylamine           | <8        |           |
| N-nitrosodimethylamine          | <8        |           |
| N-nitrosodi-n-butylamine        | <8        |           |
| N-nitroso-di-n-propylamine      | <8        |           |
| N-nitrosodiphenylamine          | <8        |           |
| N-nitrosomethylethylamine       | <8        |           |
| N-nitrosopiperidine             | <8        |           |
| N-nitrosopyrrolidine            | <8        |           |
| O,o,o-triethyl phosphorothioate | <.4       |           |
| O-toluidine                     | <8        |           |
| Parathion                       | <.4       |           |
| P-dimethylaminoazobenzene       | <8        |           |
| Pentachlorobenzene              | <8        |           |
| Pentachloronitrobenzene (pcnb)  | <8        |           |
| Pentachlorophenol               | <8        |           |
| Phenacetin                      | <8        |           |
| Phenanthrene                    | <8        |           |
| Phenol                          | <8        |           |
| Phorate                         | <.4       |           |
| Pronamide                       | <8        |           |
| Propionitrile                   | <10       |           |
| Pyrene                          | <8        |           |
| Safrole                         | <8        |           |
| Selenium, total                 |           | <4.0      |
| Silver, total                   |           | <4        |
| Styrene                         | <1        | <1        |
| Sulfide, total                  | <.15      |           |
| Tetrachloroethylene             | <1        | <1        |
| Thallium, total                 |           | <2        |
| Thionazin                       | <.4       |           |
| Tin, total                      |           |           |
| Toluene                         | <1        | <1        |
| Total suspended solids          |           |           |
| Toxaphene                       | <.2       |           |
| 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       |
| Vinyl acetate                   | <5        | <5        |
| Vinyl chloride                  | <1        | <1        |
| Xylenes, total                  | <2        | <2        |
| Zinc, total                     |           | 34.1      |

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

Table 18

## Analytical Data Summary for MW96-23

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/10/2015 | 11/9/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 | 9/19/2017 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|
| 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      | <2.0     | <2.0      | <2.0      |
| Arsenic, total              | ug/L  | 20.2      | 38.5      | 33.6      | 29.3      | 29.0      | 30.0      | 24.6     | 30.4      | 19.3      |
| Barium, total               | ug/L  | 637       | 784       | 697       | 668       |           | 656       | 639      | 642       | 602       |
| Benzene                     | ug/L  | <1        | <1        | <1        | <1        |           | <1        | <1       | <1        | <1        |
| Beryllium, total            | ug/L  | <4        | <4        | <4        | <4        |           | <4        | <4       | <4        | <4        |
| Bis(2-ethylhexyl) phthalate | ug/L  | <10       | <10       | <10       | <10       |           | <10       | <10      | <10       | <10       |
| Bromochloromethane          | ug/L  | <1        | <1        | <1        | <1        |           | <1        | <1       | <1        | <1        |
| Bromodichloromethane        | ug/L  | <1        | <1        | <1        | <1        |           | <1        | <1       | <1        | <1        |
| Bromoform                   | ug/L  | <1        | <1        | <1        | <1        |           | <1        | <1       | <1        | <1        |
| Bromomethane                | ug/L  | <1        | <1        | <1        | <1        |           | <1        | <1       | <1        | <1        |
| 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  | <4.0      | 3.0       | <.8       | <.8       |           | <.8       | <.8      | <.8       | <.8       |
| Copper, total               | ug/L  | <4.0      | 8.8       | <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  | <4.0      | 4.6       | <4.0      | <4.0      |           | <4.0      | <4.0     | <4.0      | <4.0      |
| 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      | 9.4       | <4.0      | <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        |
| Styrene                     | ug/L  | <1        | <1        | <1        | <1        |           | <1        | <1       | <1        | <1        |
| Tetrachloroethylene         | ug/L  | <1        | <1        | <1        | <1        |           | <1        | <1       | <1        | <1        |
| Thallium, total             | ug/L  | <4        | <4        | <4        | <4        |           | <4        | <4       | <4        | <4        |
| Toluene                     | ug/L  | <1        | <1        | <1        | <1        |           | <1        | <1       | <1        | <1        |
| Total suspended solids      | mg/L  |           | 266       | 33        |           |           |           |          |           |           |
| 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  | 12.7      | 27.2      | <8.0      | <8.0      |           | <8.0      | <8.0     | <8.0      | <8.0      |

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

Table 18

## Analytical Data Summary for MW96-23

| Constituents                | 3/8/2018 | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 |
|-----------------------------|----------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,1,1-trichloroethane       | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,1,2-trichloroethane       | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,1-dichloroethane          | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,1-dichloroethylene        | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,2,3-trichloropropane      | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <1       | <1        | <1        | <1       | <5        | <5       | <5       | <5       | <5        | <5        |
| 1,2-dibromoethane           | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,2-dichlorobenzene         | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,2-dichloroethane          | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,2-dichloropropane         | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 1,4-dichlorobenzene         | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| 2-butanone (mek)            | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <10       | <10       |
| 2-hexanone (mbk)            | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        |
| Acetone                     | <10      | <10       | <10       | <10      | <10       | <10      | <10      | <10      | <10       | <10       |
| Acrylonitrile               | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        |
| Antimony, total             | <2.0     | <2.0      | <2.0      | <2.0     | <2.0      | <2.0     | <2.0     | <2.0     | 2.3       | <2.0      |
| Arsenic, total              | 24.0     | 15.4      | 34.5      | 35.8     | 31.4      | 30.5     | 35.8     | 25.3     | 32.2      | 30.1      |
| Barium, total               | 616      | 522       | 722       | 726      | 700       | 631      | 696      | 582      | 735       | 653       |
| Benzene                     | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Beryllium, total            | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        |
| Bis(2-ethylhexyl) phthalate |          |           |           |          |           |          |          |          |           |           |
| 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      | 1.0       | <.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     | 13.8      | <8.0      |
| Cis-1,2-dichloroethylene    | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Cis-1,3-dichloropropene     | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Cobalt, total               | <.8      | <.8       | <.8       | <.8      | <.8       | <.4      | <.4      | <.4      | 4.8       | 3.0       |
| Copper, total               | <4.0     | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | 6.1      | <4.0     | 15.3      | <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                 | 5.3      | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | <4.0     | <4.0     | 7.4       | <4.0      |
| 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     | 15.0      | <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        |
| Styrene                     | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Tetrachloroethylene         | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Thallium, total             | <4       | <4        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        |
| Toluene                     | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Total suspended solids      |          |           |           |          |           |          |          |          |           |           |
| Trans-1,2-dichloroethylene  | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Trans-1,3-dichloropropene   | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        |
| Trichloroethylene           | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Trichlorofluoromethane      | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Vanadium, total             | <20.0    | <20.0     | <20.0     | <20.0    | <20.0     | <20.0    | <20.0    | <20.0    | 21.2      | <20.0     |
| Vinyl acetate               | <5       | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        |
| Vinyl chloride              | <1       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Xylenes, total              | <2       | <2        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        |
| Zinc, total                 | <8.0     | <8.0      | <8.0      | <8.0     | <20.0     | <20.0    | <20.0    | <20.0    | 42.8      | <20.0     |

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

Table 18

## Analytical Data Summary for MW96-23

| Constituents                | 3/20/2023 | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <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             | <2.0      | <2.0      | <2.0      | <2.0      |
| Arsenic, total              | 28.1      | 32.5      | 33.0      | 39.2      |
| Barium, total               | 624       | 681       | 644       | 632       |
| Benzene                     | <1        | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        | <4        |
| Bis(2-ethylhexyl) phthalate |           |           |           |           |
| Bromochloromethane          | <1        | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8       | <.8       |
| 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      |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        | <1        |
| Cobalt, total               | <.4       | <.4       | <.4       | <.4       |
| Copper, total               | <4.0      | <4.0      | <4.0      | <4.0      |
| Dibromochloromethane        | <1        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        | <1        |
| Lead, total                 | <4.0      | <4.0      | <4.0      | <4.0      |
| Methyl iodide               | <1        | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        | <5        |
| Nickel, total               | <4.0      | <4.0      | <4.0      | <4.0      |
| Selenium, total             | <4        | <4        | <4        | <4        |
| Silver, total               | <4        | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |           |
| 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     |
| Vinyl acetate               | <5        | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <1        | <1        | <1        |
| Xylenes, total              | <2        | <2        | <2        | <2        |
| Zinc, total                 | <20.0     | <20.0     | <20.0     | <20.0     |

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

Table 19

## Analytical Data Summary for MW96-24

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 | 9/20/2017 | 3/8/2018 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| 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      | <10       | <10       | <10      |
| Acrylonitrile               | ug/L  | <5        | <5        | <5        | <5        | <5        | <5       | <5        | <5        | <5       |
| Antimony, total             | ug/L  | <2        | <2        | <2        | <2        | <2        | <2       | <2        | <2        | <2       |
| Arsenic, total              | ug/L  | <4.0      | <4.0      | <4.0      | <4.0      | <4.0      | <4.0     | <4.0      | <4.0      | <4.0     |
| Barium, total               | ug/L  | 497       | 863       | 566       | 546       | 605       | 540      | 443       | 612       | 613      |
| 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       | 1.3       | <.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  | <4.0      | .8        | <.8       | <.8       | <.8       | <.8      | <.8       | <.8       | <.8      |
| Copper, total               | ug/L  | <4.0      | 5.4       | <4.0      | <4.0      | <4.0      | <4.0     | <4.0      | <4.0      | <4.0     |
| Dibromochloromethane        | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Dibromomethane              | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Ethylbenzene                | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Lead, total                 | ug/L  | <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      | 5.7       | <4.0      | <4.0      | <4.0      | <4.0     | <4.0      | <4.0      | <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       |
| 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       |
| Total suspended solids      | mg/L  |           | 250       | 44        |           |           |          |           |           |          |
| 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      | 14.1      | <8.0      | <8.0      | <8.0      | <8.0     | <8.0      | <8.0      | <8.0     |

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

Table 19

Analytical Data Summary for MW96-24

| Constituents                | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 12/3/2021 | 3/28/2022 | 9/14/2022 |
|-----------------------------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|
| 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       | <10       | <10      | <10       | <10      | <10      | <10      |           | <10       | <10       |
| Acrylonitrile               | <5        | <5        | <5       | <5        | <5       | <5       | <5       |           | <5        | <5        |
| Antimony, total             | <2        | <2        | <2       | <2        | <2       | <2       | <2       |           | <2        | <2        |
| Arsenic, total              | <4.0      | <4.0      | <4.0     | <4.0      | 4.0      | <4.0     | 6.7      |           | <4.0      | <4.0      |
| Barium, total               | 488       | 575       | 606      | 503       | 537      | 499      | 1050     | 434       | 534       | 561       |
| Benzene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4       | <4        | <4       | <4       | <4       |           | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Bromoform                   | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Bromomethane                | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8      | <.8       | <.8      | <.8      | <.8      |           | <.8       | <.8       |
| Carbon disulfide            | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Carbon tetrachloride        | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Chlorobenzene               | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Chloroethane                | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Chloroform                  | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Chloromethane               | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Chromium, total             | <8        | <8        | <8       | <8        | <8       | <8       | <8       |           | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Cobalt, total               | <.8       | <.8       | <.8      | <.8       | <.4      | <.4      | <.4      |           | .6        | 2.7       |
| Copper, total               | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | 6.3      | <4.0     |           | <4.0      | <4.0      |
| Dibromochloromethane        | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Lead, total                 | <4        | <4        | <4       | <4        | <4       | <4       | <4       |           | <4        | <4        |
| Methyl iodide               | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5       | <5        | <5       | <5       | <5       |           | <5        | <5        |
| Nickel, total               | <4.0      | 5.3       | <4.0     | <4.0      | <4.0     | <4.0     | <4.0     |           | <4.0      | <4.0      |
| Selenium, total             | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | <4.0     | 5.5      |           | <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        |
| Tetrachloroethylene         | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Thallium, total             | <4        | <2        | <2       | <2        | <2       | <2       | <2       |           | <2        | <2        |
| Toluene                     | <1        | <1        | <1       | <1        | <1       | <1       | <1       |           | <1        | <1        |
| Total suspended solids      |           |           |          |           |          |          |          |           |           |           |
| 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      | <8.0      | <8.0     | <20.0     | <20.0    | <20.0    | <20.0    |           | <20.0     | <20.0     |

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



Table 19

## Analytical Data Summary for MW96-24

| Constituents                | 3/20/2023 | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <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             | <2        | <2        | <2        | <2        |
| Arsenic, total              | <4.0      | <4.0      | <4.0      | <4.0      |
| Barium, total               | 618       | 576       | 541       | 559       |
| Benzene                     | <1        | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8       | <.8       |
| 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        | <8        | <8        | <8        |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        | <1        |
| Cobalt, total               | <.4       | <.4       | <.4       | <.4       |
| Copper, total               | <4.0      | <4.0      | <4.0      | <4.0      |
| Dibromochloromethane        | <1        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        | <1        |
| Lead, total                 | <4        | <4        | <4        | <4        |
| Methyl iodide               | <1        | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        | <5        |
| Nickel, total               | <4.0      | <4.0      | <4.0      | <4.0      |
| Selenium, total             | <4.0      | <4.0      | <4.0      | <4.0      |
| Silver, total               | <4        | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |           |
| Trans-1,2-dichloroethylene  | <1        | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5        | <5        | <5        |
| Trichloroethylene           | <1        | <1        | <1        | <1        |
| Trichlorofluoromethane      | <1        | <1        | <1        | <1        |
| Vanadium, total             | <20       | <20       | <20       | <20       |
| Vinyl acetate               | <5        | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <1        | <1        | <1        |
| Xylenes, total              | <2        | <2        | <2        | <2        |
| Zinc, total                 | <20.0     | <20.0     | <20.0     | <20.0     |

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

Table 20

## Analytical Data Summary for MW98-25

| Constituents                   | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/18/2017 | 9/19/2017 | 3/8/2018 |
|--------------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| (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  | <1.0      | <1.0      | <1.0      | <1.0      | <1.0      | <1.0     | <1.0      | <1.0      | <1.0     |
| 1,1-dichloroethylene           | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| 1,1-dichloropropene            | ug/L  |           |           |           |           |           |          | <1        |           |          |
| 1,2,3-trichloropropane         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| 1,2,4,5-tetrachlorobenzene     | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 1,2,4-trichlorobenzene         | ug/L  |           |           |           |           |           |          | <1        |           |          |
| 1,2-dibromo-3-chloropropane    | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| 1,2-dibromoethane              | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| 1,2-dichlorobenzene            | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| 1,2-dichloroethane             | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| 1,2-dichloropropane            | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| 1,2-dinitrobenzene             | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 1,3,5-trinitrobenzene          | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 1,3-dichlorobenzene            | ug/L  |           |           |           |           |           |          | <1        |           |          |
| 1,3-dichloropropane            | ug/L  |           |           |           |           |           |          | <1        |           |          |
| 1,3-dinitrobenzene             | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 1,4-dichlorobenzene            | ug/L  | <1.0      | <1.0      | <1.0      | <1.0      | <1.0      | 2.1      | 2.0       | 1.7       | <1.0     |
| 1,4-naphthoquinone             | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 1,4-phenylenediamine           | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 1-naphthylamine                | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2,2-dichloropropane            | ug/L  |           |           |           |           |           |          | <1        |           |          |
| 2,3,4,6-tetrachlorophenol      | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2,4,5-t                        | ug/L  |           |           |           |           |           |          | <5        |           |          |
| 2,4,5-tp (silvex)              | ug/L  |           |           |           |           |           |          | <5        |           |          |
| 2,4,5-trichlorophenol          | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2,4,6-trichlorophenol          | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2,4-d                          | ug/L  |           |           |           |           |           |          | <2        |           |          |
| 2,4-dichlorophenol             | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2,4-dimethylphenol             | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2,4-dinitrophenol              | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2,4-dinitrotoluene             | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2,6-dichlorophenol             | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2,6-dinitrotoluene             | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2-acetylaminofluorene          | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2-butanone (mek)               | ug/L  | <5        | <5        | <5        | <5        | <5        | <5       | <5        | <5        | <5       |
| 2-chloronaphthalene            | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2-chlorophenol                 | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2-hexanone (mbk)               | ug/L  | <5        | <5        | <5        | <5        | <5        | <5       | <5        | <5        | <5       |
| 2-methylnaphthalene            | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2-methylphenol                 | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2-naphthylamine                | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2-nitroaniline                 | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 2-nitrophenol                  | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 3,3'-dichlorobenzidine         | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 3,3'-dimethylbenzidine         | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 3-methylcholanthrene           | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 3-nitroaniline                 | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 4,4'-ddd                       | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| 4,4'-dde                       | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| 4,4'-ddt                       | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| 4,6-dinitro-2-methylphenol     | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 4-aminobiphenyl                | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 4-bromophenyl phenyl ether     | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 4-chloro-3-methylphenol        | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 4-chloroaniline                | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 4-chlorophenyl phenyl ether    | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 4-methyl-2-pentanone (mibk)    | ug/L  | <5        | <5        | <5        | <5        | <5        | <5       | <5        | <5        | <5       |
| 4-nitroaniline                 | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 4-nitrophenol                  | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 5-nitro-o-toluidine            | ug/L  |           |           |           |           |           |          | <8        |           |          |
| 7,12-dimethylbenz(a)anthracene | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Acenaphthene                   | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Acenaphthylene                 | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Acetone                        | ug/L  | <10.0     | <10.0     | <10.0     | <10.0     | <10.0     | <10.0    | <10.0     | <10.0     | 46.5     |
| Acetonitrile                   | ug/L  |           |           |           |           |           |          | <10       |           |          |
| Acetophenone                   | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Acrolein                       | ug/L  |           |           |           |           |           |          | <10       |           |          |
| Acrylonitrile                  | ug/L  | <5        | <5        | <5        | <5        | <5        | <5       | <5        | <5        | <5       |
| Aldrin                         | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Allyl chloride                 | ug/L  |           |           |           |           |           |          | <1        |           |          |
| Alpha-bhc                      | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Anthracene                     | ug/L  |           |           |           |           |           |          | <8        |           |          |

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

Table 20

Analytical Data Summary for MW98-25

| Constituents                   | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 |
|--------------------------------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|
| (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             | <1.0      | <1.0      | <1.0     | <1.0      | 1.1      | 1.8      | 2.3      | 1.5       | <1.0      |
| 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       | <5        | <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            | 2.9       | <1.0      | <1.0     | <1.0      | 1.3      | 1.1      | 2.0      | 1.2       | <1.0      |
| 1,4-naphthoquinone             |           |           |          |           |          |          |          |           | <8        |
| 1,4-phenylenediamine           |           |           |          |           |          |          |          |           | <8        |
| 1-naphthylamine                |           |           |          |           |          |          |          |           | <8        |
| 2,2-dichloropropane            |           |           |          |           |          |          |          |           | <1        |
| 2,3,4,6-tetrachlorophenol      |           |           |          |           |          |          |          |           | <8        |
| 2,4,5-t                        |           |           |          |           |          |          |          |           | <5        |
| 2,4,5-tp (silvex)              |           |           |          |           |          |          |          |           | <5        |
| 2,4,5-trichlorophenol          |           |           |          |           |          |          |          |           | <8        |
| 2,4,6-trichlorophenol          |           |           |          |           |          |          |          |           | <8        |
| 2,4-d                          |           |           |          |           |          |          |          |           | <2        |
| 2,4-dichlorophenol             |           |           |          |           |          |          |          |           | <8        |
| 2,4-dimethylphenol             |           |           |          |           |          |          |          |           | <8        |
| 2,4-dinitrophenol              |           |           |          |           |          |          |          |           | <8        |
| 2,4-dinitrotoluene             |           |           |          |           |          |          |          |           | <8        |
| 2,6-dichlorophenol             |           |           |          |           |          |          |          |           | <8        |
| 2,6-dinitrotoluene             |           |           |          |           |          |          |          |           | <8        |
| 2-acetylaminofluorene          |           |           |          |           |          |          |          |           | <8        |
| 2-butanone (mek)               | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <10       | <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      |
| Anthracene                     |           |           |          |           |          |          |          |           | <8        |

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

Table 20

## Analytical Data Summary for MW98-25

| Constituents                   | 3/20/2023 | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|--------------------------------|-----------|-----------|-----------|-----------|
| (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             | 1.7       | 1.6       | 1.1       | 1.2       |
| 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            | 1.2       | 2.4       | 1.6       | 1.8       |
| 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                      |           |           |           |           |
| Anthracene                     |           |           |           |           |

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

Table 20

## Analytical Data Summary for MW98-25

| Constituents                 | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/18/2017 | 9/19/2017 | 3/8/2018 |
|------------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| Antimony, total              | ug/L  | <2        | <2        | <2        | <2        | <2        | <2       | <2        | <2        | <2       |
| Arochlor 1016                | ug/L  |           |           |           |           |           |          | <.1       |           |          |
| Arochlor 1221                | ug/L  |           |           |           |           |           |          | <.2       |           |          |
| Arochlor 1232                | ug/L  |           |           |           |           |           |          | <.2       |           |          |
| Arochlor 1242                | ug/L  |           |           |           |           |           |          | <.2       |           |          |
| Arochlor 1248                | ug/L  |           |           |           |           |           |          | <.2       |           |          |
| Arochlor 1254                | ug/L  |           |           |           |           |           |          | <.1       |           |          |
| Arochlor 1260                | ug/L  |           |           |           |           |           |          | <.1       |           |          |
| Arsenic, total               | ug/L  | <4.0      | 9.6       | 18.9      | 8.7       | 8.7       | <4.0     | 4.0       | 4.3       | 6.8      |
| Azobenzene                   | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Barium, total                | ug/L  | 82.6      | 98.8      | 141.0     | 89.3      | 105.0     | 100.0    | 53.3      | 61.5      | 58.9     |
| Benzene                      | ug/L  | 1.0       | 5.6       | <1.0      | 1.3       | <1.0      | 1.4      | <1.0      | <1.0      | 1.9      |
| Benzo(a)anthracene           | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Benzo(a)pyrene               | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Benzo(b)fluoranthene         | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Benzo(g,h,i)perylene         | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Benzo(k)fluoranthene         | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Benzyl alcohol               | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Beryllium, total             | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4       |
| Beta-bhc                     | ug/L  | .07       | <.05      | <.05      | <.05      | <.05      | <.05     | <.05      | <.05      |          |
| Bis (2-chloroethoxy) methane | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Bis(2-chloroethyl) ether     | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Bis(2-chloroisopropyl) ether | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Bis(2-ethylhexyl) phthalate  | ug/L  | <10       | <10       | <10       | <10       | <10       | <10      | <8        | 6         |          |
| Bromochloromethane           | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Bromodichloromethane         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Bromoform                    | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Bromomethane                 | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Butyl benzyl phthalate       | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Cadmium, total               | ug/L  | <.8       | .9        | <.8       | <.8       | <.8       | <.8      | <.8       | <.8       | <.8      |
| Carbon disulfide             | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Carbon tetrachloride         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Chlordane                    | ug/L  |           |           |           |           |           |          | <.1       |           |          |
| Chlorobenzene                | ug/L  | <1.0      | 1.3       | <1.0      | <1.0      | <1.0      | <1.0     | <1.0      | <1.0      | <1.0     |
| Chlorobenzilate              | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Chloroethane                 | ug/L  | 2.0       | <1.0      | <1.0      | <1.0      | 1.9       | 1.0      | <1.0      | <1.0      | 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      | <1.0     | <1.0      | <1.0      | <1.0     |
| Chloroprene                  | ug/L  |           |           |           |           |           |          | <1        |           |          |
| Chromium, total              | ug/L  | <8.0      | 10.4      | <8.0      | <8.0      | <8.0      | <8.0     | <8.0      | <8.0      | <8.0     |
| Chrysene                     | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Cis-1,2-dichloroethylene     | ug/L  | 4.8       | 4.5       | 5.1       | 1.4       | 5.1       | 2.9      | 2.1       | 1.3       | 2.5      |
| Cis-1,3-dichloropropene      | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Cobalt, total                | ug/L  | 14.5      | 19.0      | 5.4       | 13.0      | 4.7       | 29.1     | 14.6      | 6.2       | 10.3     |
| Copper, total                | ug/L  | <4.0      | <4.0      | <4.0      | <4.0      | <4.0      | 5.0      | <4.0      | <4.0      | <4.0     |
| Cyanide, total               | mg/L  |           |           |           |           |           |          | <.005     |           |          |
| Delta-bhc                    | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Diallate                     | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Dibenzo(a,h)anthracene       | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Dibenzofuran                 | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Dibromochloromethane         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Dibromomethane               | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Dichlorodifluoromethane      | ug/L  | 1.5       | 24.3      | <1.0      | 14.7      | <1.0      | 6.6      | 18.8      | 6.9       | 38.4     |
| Dieldrin                     | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Diethyl phthalate            | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Dimethoate                   | ug/L  |           |           |           |           |           |          | <.4       |           |          |
| Dimethylphthalate            | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Di-n-butyl phthalate         | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Di-n-octyl phthalate         | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Dinoseb                      | ug/L  |           |           |           |           |           |          | <.5       |           |          |
| Diphenylamine                | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Disulfoton                   | ug/L  |           |           |           |           |           |          | <.4       |           |          |
| Endosulfan i                 | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Endosulfan ii                | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Endosulfan sulfate           | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Endrin                       | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Endrin aldehyde              | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Ethyl methacrylate           | ug/L  |           |           |           |           |           |          | <10       |           |          |
| Ethyl methanesulfonate       | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Ethylbenzene                 | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Famphur                      | ug/L  |           |           |           |           |           |          | <.4       |           |          |
| Fluoranthene                 | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Fluorene                     | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Gamma-bhc (lindane)          | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Heptachlor                   | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Heptachlor epoxide           | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Hexachlorobenzene            | ug/L  |           |           |           |           |           |          | <.05      |           |          |

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

Table 20

Analytical Data Summary for MW98-25

| Constituents                 | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 |
|------------------------------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|
| Antimony, total              | <2        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        |
| Arochlor 1016                |           |           |          |           |          |          |          |           | <.1       |
| Arochlor 1221                |           |           |          |           |          |          |          |           | <.2       |
| Arochlor 1232                |           |           |          |           |          |          |          |           | <.2       |
| Arochlor 1242                |           |           |          |           |          |          |          |           | <.2       |
| Arochlor 1248                |           |           |          |           |          |          |          |           | <.2       |
| Arochlor 1254                |           |           |          |           |          |          |          |           | <.1       |
| Arochlor 1260                |           |           |          |           |          |          |          |           | <.1       |
| Arsenic, total               | 4.4       | <4.0      | 7.9      | 18.4      | 6.5      | 9.8      | 6.0      | 29.1      | 6.6       |
| Azobenzene                   |           |           |          |           |          |          |          |           | <8        |
| Barium, total                | 62.3      | 46.0      | 56.5     | 81.3      | 63.5     | 81.1     | 84.4     | 140.0     | 83.4      |
| Benzene                      | <1.0      | <1.0      | <1.0     | <1.0      | <1.0     | 1.6      | 2.7      | 1.3       | <1.0      |
| Benzo(a)anthracene           |           |           |          |           |          |          |          |           | <8        |
| Benzo(a)pyrene               |           |           |          |           |          |          |          |           | <8        |
| Benzo(b)fluoranthene         |           |           |          |           |          |          |          |           | <8        |
| Benzo(g,h,i)perylene         |           |           |          |           |          |          |          |           | <8        |
| Benzo(k)fluoranthene         |           |           |          |           |          |          |          |           | <8        |
| Benzyl alcohol               |           |           |          |           |          |          |          |           | <8        |
| Beryllium, total             | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        | <4        |
| Beta-bhc                     |           |           |          |           |          |          |          |           | <.05      |
| Bis (2-chloroethoxy) methane |           |           |          |           |          |          |          |           | <8        |
| Bis(2-chloroethyl) ether     |           |           |          |           |          |          |          |           | <8        |
| Bis(2-chloroisopropyl) ether |           |           |          |           |          |          |          |           | <8        |
| Bis(2-ethylhexyl) phthalate  |           |           |          |           |          |          |          |           | <6        |
| Bromochloromethane           | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Bromodichloromethane         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Bromoform                    | <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                | <1.0      | <1.0      | <1.0     | <1.0      | <1.0     | <1.0     | 1.0      | <1.0      | <1.0      |
| Chlorobenzilate              |           |           |          |           |          |          |          |           | <8        |
| Chloroethane                 | <1.0      | <1.0      | <1.0     | <1.0      | <1.0     | <1.0     | 1.5      | <1.0      | <1.0      |
| Chloroform                   | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Chloromethane                | <1.0      | <1.0      | <1.0     | <1.0      | <1.0     | <1.0     | <1.0     | <1.0      | <1.0      |
| 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     | 2.3       | 1.0       | <1.0     | <1.0      | 2.0      | 2.5      | 3.4      | 2.5       | <1.0      |
| Cis-1,3-dichloropropene      | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Cobalt, total                | 11.6      | 13.9      | 8.5      | 22.2      | 7.6      | 11.7     | 12.8     | 10.9      | 19.4      |
| Copper, total                | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | 78.0     | <4.0     | <4.0      | <4.0      |
| Cyanide, total               |           |           |          |           |          |          |          |           | <.005     |
| Delta-bhc                    |           |           |          |           |          |          |          |           | <.05      |
| Diallate                     |           |           |          |           |          |          |          |           | <8        |
| Dibenzo(a,h)anthracene       |           |           |          |           |          |          |          |           | <8        |
| Dibenzofuran                 |           |           |          |           |          |          |          |           | <8        |
| Dibromochloromethane         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Dibromomethane               | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Dichlorodifluoromethane      | 1.6       | 3.8       | <1.0     | 19.4      | 1.2      | 8.6      | 4.8      | 1.7       | <1.0      |
| Dieldrin                     |           |           |          |           |          |          |          |           | <.05      |
| Diethyl phthalate            |           |           |          |           |          |          |          |           | <8        |
| Dimethoate                   |           |           |          |           |          |          |          |           | <.4       |
| Dimethylphthalate            |           |           |          |           |          |          |          |           | <8        |
| Di-n-butyl phthalate         |           |           |          |           |          |          |          |           | <8        |
| Di-n-octyl phthalate         |           |           |          |           |          |          |          |           | <8        |
| Dinoseb                      |           |           |          |           |          |          |          |           | <.5       |
| Diphenylamine                |           |           |          |           |          |          |          |           | <8        |
| Disulfoton                   |           |           |          |           |          |          |          |           | <.4       |
| Endosulfan i                 |           |           |          |           |          |          |          |           | <.05      |
| Endosulfan ii                |           |           |          |           |          |          |          |           | <.05      |
| Endosulfan sulfate           |           |           |          |           |          |          |          |           | <.05      |
| Endrin                       |           |           |          |           |          |          |          |           | <.05      |
| Endrin aldehyde              |           |           |          |           |          |          |          |           | <.05      |
| 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      |
| Heptachlor epoxide           |           |           |          |           |          |          |          |           | <.05      |
| Hexachlorobenzene            |           |           |          |           |          |          |          |           | <.05      |

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

Table 20

## Analytical Data Summary for MW98-25

| Constituents                 | 3/20/2023 | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|------------------------------|-----------|-----------|-----------|-----------|
| Antimony, total              | <2        | <2        | <2        | <2        |
| Arochlor 1016                |           |           |           |           |
| Arochlor 1221                |           |           |           |           |
| Arochlor 1232                |           |           |           |           |
| Arochlor 1242                |           |           |           |           |
| Arochlor 1248                |           |           |           |           |
| Arochlor 1254                |           |           |           |           |
| Arochlor 1260                |           |           |           |           |
| Arsenic, total               | 14.1      | 7.8       | 16.7      | 6.6       |
| Azobenzene                   |           |           |           |           |
| Barium, total                | 95.4      | 88.2      | 110.0     | 90.2      |
| Benzene                      | <1.0      | 1.4       | <1.0      | <1.0      |
| Benzo(a)anthracene           |           |           |           |           |
| Benzo(a)pyrene               |           |           |           |           |
| Benzo(b)fluoranthene         |           |           |           |           |
| Benzo(g,h,i)perylene         |           |           |           |           |
| Benzo(k)fluoranthene         |           |           |           |           |
| Benzyl alcohol               |           |           |           |           |
| Beryllium, total             | <4        | <4        | <4        | <4        |
| Beta-bhc                     |           |           |           |           |
| Bis (2-chloroethoxy) methane |           |           |           |           |
| Bis(2-chloroethyl) ether     |           |           |           |           |
| Bis(2-chloroisopropyl) ether |           |           |           |           |
| Bis(2-ethylhexyl) phthalate  |           |           |           |           |
| Bromochloromethane           | <1        | <1        | <1        | <1        |
| Bromodichloromethane         | <1        | <1        | <1        | <1        |
| Bromoform                    | <1        | <1        | <1        | <1        |
| Bromomethane                 | <1        | <1        | <1        | <1        |
| Butyl benzyl phthalate       |           |           |           |           |
| Cadmium, total               | <.8       | <.8       | <.8       | <.8       |
| Carbon disulfide             | <1        | <1        | <1        | <1        |
| Carbon tetrachloride         | <1        | <1        | <1        | <1        |
| Chlordane                    |           |           |           |           |
| Chlorobenzene                | <1.0      | 1.3       | <1.0      | 1.0       |
| Chlorobenzilate              |           |           |           |           |
| Chloroethane                 | 1.7       | 1.5       | 1.4       | 1.0       |
| Chloroform                   | <1        | <1        | <1        | <1        |
| Chloromethane                | <1.0      | <1.0      | <1.0      | 1.8       |
| Chloroprene                  |           |           |           |           |
| Chromium, total              | <8.0      | <8.0      | <8.0      | <8.0      |
| Chrysene                     |           |           |           |           |
| Cis-1,2-dichloroethylene     | 2.3       | 2.8       | 1.4       | 2.0       |
| Cis-1,3-dichloropropene      | <1        | <1        | <1        | <1        |
| Cobalt, total                | 11.2      | 15.2      | 10.7      | 11.0      |
| Copper, total                | <4.0      | 4.9       | <4.0      | <4.0      |
| Cyanide, total               |           |           |           |           |
| Delta-bhc                    |           |           |           |           |
| Diallate                     |           |           |           |           |
| Dibenzo(a,h)anthracene       |           |           |           |           |
| Dibenzofuran                 |           |           |           |           |
| Dibromochloromethane         | <1        | <1        | <1        | <1        |
| Dibromomethane               | <1        | <1        | <1        | <1        |
| Dichlorodifluoromethane      | 3.3       | 2.1       | <1.0      | <1.0      |
| Dieldrin                     |           |           |           |           |
| Diethyl phthalate            |           |           |           |           |
| Dimethoate                   |           |           |           |           |
| Dimethylphthalate            |           |           |           |           |
| Di-n-butyl phthalate         |           |           |           |           |
| Di-n-octyl phthalate         |           |           |           |           |
| Dinoseb                      |           |           |           |           |
| Diphenylamine                |           |           |           |           |
| Disulfoton                   |           |           |           |           |
| Endosulfan i                 |           |           |           |           |
| Endosulfan ii                |           |           |           |           |
| Endosulfan sulfate           |           |           |           |           |
| Endrin                       |           |           |           |           |
| Endrin aldehyde              |           |           |           |           |
| Ethyl methacrylate           |           |           |           |           |
| Ethyl methanesulfonate       |           |           |           |           |
| Ethylbenzene                 | <1        | <1        | <1        | <1        |
| Famphur                      |           |           |           |           |
| Fluoranthene                 |           |           |           |           |
| Fluorene                     |           |           |           |           |
| Gamma-bhc (lindane)          |           |           |           |           |
| Heptachlor                   |           |           |           |           |
| Heptachlor epoxide           |           |           |           |           |
| Hexachlorobenzene            |           |           |           |           |

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

Table 20

## Analytical Data Summary for MW98-25

| Constituents                    | Units | 3/13/2014 | 9/18/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/18/2017 | 9/19/2017 | 3/8/2018 |
|---------------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| Hexachlorobutadiene             | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Hexachlorocyclopentadiene       | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Hexachloroethane                | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Hexachloropropene               | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Indeno(1,2,3-cd)pyrene          | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Isobutanol                      | ug/L  |           |           |           |           |           |          | <1000     |           |          |
| Isodrin                         | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Isophorone                      | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Isosafrole                      | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Kepone                          | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Lead, total                     | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4       |
| Mercury, total                  | ug/L  |           |           |           |           |           |          | <5        |           |          |
| Methacrylonitrile               | ug/L  |           |           |           |           |           |          | <1        |           |          |
| Methapyrilene                   | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Methoxychlor                    | ug/L  |           |           |           |           |           |          | <.05      |           |          |
| Methyl iodide                   | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Methyl methacrylate             | ug/L  |           |           |           |           |           |          | <1        |           |          |
| Methyl methanesulfonate         | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Methyl parathion                | ug/L  |           |           |           |           |           |          | <.4       |           |          |
| Methylene chloride              | ug/L  | <5        | <5        | <5        | <5        | <5        | <5       | <5        | <5        | <5       |
| Naphthalene                     | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Nickel, total                   | ug/L  | 51.0      | 48.1      | 41.6      | 36.2      | 37.9      | 81.7     | 34.3      | 17.0      | 20.1     |
| Nitrobenzene                    | ug/L  |           |           |           |           |           |          | <8        |           |          |
| N-nitrosodiethylamine           | ug/L  |           |           |           |           |           |          | <8        |           |          |
| N-nitrosodimethylamine          | ug/L  |           |           |           |           |           |          | <8        |           |          |
| N-nitrosodi-n-butylamine        | ug/L  |           |           |           |           |           |          | <8        |           |          |
| N-nitroso-di-n-propylamine      | ug/L  |           |           |           |           |           |          | <8        |           |          |
| N-nitrosodiphenylamine          | ug/L  |           |           |           |           |           |          | <8        |           |          |
| N-nitrosomethylethylamine       | ug/L  |           |           |           |           |           |          | <8        |           |          |
| N-nitrosopiperidine             | ug/L  |           |           |           |           |           |          | <8        |           |          |
| N-nitrosopyrrolidine            | ug/L  |           |           |           |           |           |          | <8        |           |          |
| O,o,o-triethyl phosphorothioate | ug/L  |           |           |           |           |           |          | <.4       |           |          |
| O-toluidine                     | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Parathion                       | ug/L  |           |           |           |           |           |          | <.4       |           |          |
| P-dimethylaminoazobenzene       | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Pentachlorobenzene              | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Pentachloronitrobenzene (pcnb)  | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Pentachlorophenol               | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Phenacetin                      | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Phenanthrene                    | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Phenol                          | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Phorate                         | ug/L  |           |           |           |           |           |          | <.4       |           |          |
| Pronamide                       | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Propionitrile                   | ug/L  |           |           |           |           |           |          | <10       |           |          |
| Pyrene                          | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Safrole                         | ug/L  |           |           |           |           |           |          | <8        |           |          |
| Selenium, total                 | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4       |
| Silver, total                   | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4       |
| Styrene                         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Sulfide, total                  | mg/L  |           |           |           |           |           |          | <.1       |           |          |
| Tetrachloroethylene             | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Thallium, total                 | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4       |
| Thionazin                       | ug/L  |           |           |           |           |           |          | <.4       |           |          |
| Tin, total                      | ug/L  |           |           |           |           |           |          | <20       |           |          |
| Toluene                         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1       |
| Total suspended solids          | mg/L  |           | 69        | 41        |           |           |          |           |           |          |
| 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  | <1.0      | 3.2       | <1.0      | <1.0      | <1.0      | 4.4      | 4.3       | 1.6       | 2.5      |
| 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        | <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      | 15.6      | <8.0      | <8.0      | <8.0      | 17.7     | <8.0      | <8.0      | <8.0     |

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



Table 20

## Analytical Data Summary for MW98-25

| Constituents                    | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 | 9/14/2022 |
|---------------------------------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|
| Hexachlorobutadiene             |           |           |          |           |          |          |          |           | <8        |
| Hexachlorocyclopentadiene       |           |           |          |           |          |          |          |           | <8        |
| Hexachloroethane                |           |           |          |           |          |          |          |           | <8        |
| Hexachloropropene               |           |           |          |           |          |          |          |           | <8        |
| Indeno(1,2,3-cd)pyrene          |           |           |          |           |          |          |          |           | <8        |
| Isobutanol                      |           |           |          |           |          |          |          |           | <1000     |
| 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                   | 24.6      | 21.2      | 9.0      | 29.9      | 10.5     | 16.7     | 20.4     | 21.9      | 24.3      |
| 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        |
| 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        | <2        | <2       | <2        | <2       | <2       | <2       | <2        | <2        |
| Thionazin                       |           |           |          |           |          |          |          |           | <.4       |
| Tin, total                      |           |           |          |           |          |          |          |           | <20       |
| Toluene                         | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Total suspended solids          |           |           |          |           |          |          |          |           | <.2       |
| Toxaphene                       |           |           |          |           |          |          |          |           | <.2       |
| Trans-1,2-dichloroethylene      | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Trans-1,3-dichloropropene       | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Trans-1,4-dichloro-2-butene     | <5        | <5        | <5       | <5        | <5       | <5       | <5       | <5        | <5        |
| Trichloroethylene               | <1        | <1        | <1       | <1        | <1       | <1       | <1       | <1        | <1        |
| Trichlorofluoromethane          | <1.0      | <1.0      | <1.0     | 6.0       | 1.0      | 2.6      | <1.0     | 1.0       | <1.0      |
| 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      | <8.0      | 11.0     | <20.0     | <20.0    | <20.0    | <20.0    | <20.0     | <20.0     |

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

Table 20

## Analytical Data Summary for MW98-25

| Constituents                    | 3/20/2023 | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|---------------------------------|-----------|-----------|-----------|-----------|
| Hexachlorobutadiene             |           |           |           |           |
| Hexachlorocyclopentadiene       |           |           |           |           |
| Hexachloroethane                |           |           |           |           |
| Hexachloropropene               |           |           |           |           |
| Indeno(1,2,3-cd)pyrene          |           |           |           |           |
| Isobutanol                      |           |           |           |           |
| Isodrin                         |           |           |           |           |
| Isophorone                      |           |           |           |           |
| Isosafrole                      |           |           |           |           |
| Kepone                          |           |           |           |           |
| Lead, total                     | <4        | <4        | <4        | <4        |
| 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                   | 23.4      | 35.7      | 23.6      | 26.5      |
| 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        |
| Silver, total                   | <4        | <4        | <4        | <4        |
| Styrene                         | <1        | <1        | <1        | <1        |
| Sulfide, total                  |           |           |           |           |
| Tetrachloroethylene             | <1        | <1        | <1        | <1        |
| Thallium, total                 | <2        | <2        | <2        | <2        |
| Thionazin                       |           |           |           |           |
| Tin, total                      |           |           |           |           |
| Toluene                         | <1        | <1        | <1        | <1        |
| Total suspended solids          |           |           |           |           |
| Toxaphene                       |           |           |           |           |
| 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          | 1.2       | 1.1       | 1.0       | <1.0      |
| Vanadium, total                 | <20       | <20       | <20       | <20       |
| Vinyl acetate                   | <5        | <5        | <5        | <5        |
| Vinyl chloride                  | <1        | <1        | <1        | <1        |
| Xylenes, total                  | <2        | <2        | <2        | <2        |
| Zinc, total                     | <20.0     | <20.0     | <20.0     | <20.0     |

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

Table 21

## Analytical Data Summary for MW98-28

| Constituents                | Units | 3/13/2014 | 9/18/2014 | 11/13/2014 | 3/17/2015 | 6/29/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/17/2017 |
|-----------------------------|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|----------|-----------|
| 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  | <2.0      | <2.0      | 2.5        | <2.0      | <2.0      | <2.0      | <2.0      | <2.0     | <2.0      |
| Arsenic, total              | ug/L  | <4.0      | 18.9      | <4.0       | <4.0      | 9.5       | <4.0      | <4.0      | <4.0     | <4.0      |
| Barium, total               | ug/L  | 220       | 536       | 105        | 98        | 305       | 107       | 109       | 144      | 125       |
| 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        | 11.8      | <8         | <8        | 1.1       | <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      | 43.4      | <8.0       | <8.0      | 24.9      | <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  | <4.0      | 81.5      | <8         | <8        | 27.3      | <8        | <8        | 1.0      | <8        |
| Copper, total               | ug/L  | <4.0      | 97.9      | <4.0       | <4.0      | 29.9      | <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  | <4.0      | 38.1      | <4.0       | <4.0      | 15.6      | <4.0      | <4.0      | <4.0     | <4.0      |
| Methyl iodide               | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <1       | <1        |
| Methylene chloride          | ug/L  | <5        | <5        | <5         | <5        | <5        | <5        | <5        | <5       | <5        |
| Nickel, total               | ug/L  | 4.9       | 105.0     | <4.0       | <4.0      | 42.0      | <4.0      | <4.0      | <4.0     | 4.0       |
| Selenium, total             | ug/L  | <4        | 9         | <4         | <4        | <4        | <4        | <4        | <4       | <4        |
| Silver, total               | ug/L  | <4        | <4        | <4         | <4        | <4        | <4        | <4        | <4       | <4        |
| Styrene                     | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <1       | <1        |
| 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        |
| Total suspended solids      | mg/L  |           | 148       |            | 13        |           |           |           |          |           |
| Trans-1,2-dichloroethylene  | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <1       | <1        |
| Trans-1,3-dichloropropene   | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <1       | <1        |
| Trans-1,4-dichloro-2-butene | ug/L  | <5        | <5        | <5         | <5        | <5        | <5        | <5        | <5       | <5        |
| Trichloroethylene           | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <1       | <1        |
| Trichlorofluoromethane      | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <1       | <1        |
| Vanadium, total             | ug/L  | <20.0     | 87.6      | <20.0      | <20.0     | 40.6      | <20.0     | <20.0     | <20.0    | <20.0     |
| Vinyl acetate               | ug/L  | <5        | <5        | <5         | <5        | <5        | <5        | <5        | <5       | <5        |
| Vinyl chloride              | ug/L  | <1        | <1        | <1         | <1        | <1        | <1        | <1        | <1       | <1        |
| Xylenes, total              | ug/L  | <2        | <2        | <2         | <2        | <2        | <2        | <2        | <2       | <2        |
| Zinc, total                 | ug/L  | <8.0      | 127.0     | <20.0      | <8.0      | 59.4      | <8.0      | <8.0      | 8.2      | <8.0      |

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

Table 21

## Analytical Data Summary for MW98-28

| Constituents                | 9/19/2017 | 3/8/2018 | 9/24/2018 | 3/25/2019 | 9/3/2019 | 3/23/2020 | 9/4/2020 | 3/9/2021 | 9/7/2021 | 3/28/2022 |
|-----------------------------|-----------|----------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|
| 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        | <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        |
| 1,4-dichlorobenzene         | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| 2-butanone (mek)            | <5        | <5       |           | <5        | <5       | <5        | <5       | <5       | <5       | <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             | 4.5       | <2.0     | 2.1       | <2.0      | <2.0     | <2.0      | <2.0     | <2.0     | <2.0     | 2.3       |
| Arsenic, total              | <4.0      | <4.0     | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | 8.2      | <4.0     | <4.0      |
| Barium, total               | 181       | 172      | 169       | 113       | 143      | 119       | 156      | 341      | 147      | 254       |
| Benzene                     | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Beryllium, total            | <4        | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        |
| Bromochloromethane          | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Bromodichloromethane        | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Bromoform                   | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Bromomethane                | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Cadmium, total              | <.8       | <.8      | <.8       | <.8       | <.8      | <.8       | <.8      | <.8      | <.8      | <.8       |
| Carbon disulfide            | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Carbon tetrachloride        | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Chlorobenzene               | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Chloroethane                | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Chloroform                  | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Chloromethane               | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Chromium, total             | <8.0      | <8.0     | <8.0      | <8.0      | <8.0     | <8.0      | <8.0     | 18.6     | <8.0     | 12.7      |
| Cis-1,2-dichloroethylene    | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Cis-1,3-dichloropropene     | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Cobalt, total               | 4.4       | <.8      | 4.8       | .9        | .9       | 1.6       | .5       | 19.1     | .4       | 4.2       |
| Copper, total               | 5.4       | <4.0     | 5.1       | <4.0      | <4.0     | <4.0      | <4.0     | 104.0    | <4.0     | 7.6       |
| Dibromochloromethane        | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Dibromomethane              | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Ethylbenzene                | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Lead, total                 | <4.0      | <4.0     | <4.0      | <4.0      | <4.0     | <4.0      | <4.0     | 11.9     | <4.0     | <4.0      |
| Methyl iodide               | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Methylene chloride          | <5        | <5       |           | <5        | <5       | <5        | <5       | <5       | <5       | <5        |
| Nickel, total               | 10.2      | <4.0     | 7.6       | <4.0      | <4.0     | 6.3       | <4.0     | 33.6     | <4.0     | 17.4      |
| Selenium, total             | <4        | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        |
| Silver, total               | <4        | <4       | <4        | <4        | <4       | <4        | <4       | <4       | <4       | <4        |
| Styrene                     | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Tetrachloroethylene         | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Thallium, total             | <4        | <4       | <4        | <2        | <2       | <2        | <2       | <2       | <2       | <2        |
| Toluene                     | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Total suspended solids      |           |          |           |           |          |           |          |          |          |           |
| Trans-1,2-dichloroethylene  | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Trans-1,3-dichloropropene   | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5       |           | <5        | <5       | <5        | <5       | <5       | <5       | <5        |
| Trichloroethylene           | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Trichlorofluoromethane      | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Vanadium, total             | <20.0     | <20.0    | <20.0     | <20.0     | <20.0    | <20.0     | <20.0    | 29.2     | <20.0    | <20.0     |
| Vinyl acetate               | <5        | <5       |           | <5        | <5       | <5        | <5       | <5       | <5       | <5        |
| Vinyl chloride              | <1        | <1       |           | <1        | <1       | <1        | <1       | <1       | <1       | <1        |
| Xylenes, total              | <2        | <2       |           | <2        | <2       | <2        | <2       | <2       | <2       | <2        |
| Zinc, total                 | 11.1      | <8.0     | 13.2      | <8.0      | 10.6     | <20.0     | <20.0    | 37.6     | <20.0    | <20.0     |

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

Table 21

## Analytical Data Summary for MW98-28

| Constituents                | 9/14/2022 | 3/20/2023 | 9/12/2023 | 3/12/2024 | 9/30/2024 |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1        | <1        | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | <1        | <1        | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1        | <1        | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | <1        | <1        | <1        | <1        | <1        |
| 1,1-dichloroethane          | <1        | <1        | <1        | <1        | <1        |
| 1,1-dichloroethylene        | <1        | <1        | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | <1        | <1        | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <5        | <5        | <5        | <5        | <5        |
| 1,2-dibromoethane           | <1        | <1        | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | <1        | <1        | <1        | <1        | <1        |
| 1,2-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             | <2.0      | <2.0      | <2.0      | <2.0      | <2.0      |
| Arsenic, total              | <4.0      | <4.0      | <4.0      | <4.0      | <4.0      |
| Barium, total               | 236       | 226       | 277       | 246       | 270       |
| Benzene                     | <1        | <1        | <1        | <1        | <1        |
| Beryllium, total            | <4        | <4        | <4        | <4        | <4        |
| Bromochloromethane          | <1        | <1        | <1        | <1        | <1        |
| Bromodichloromethane        | <1        | <1        | <1        | <1        | <1        |
| Bromoform                   | <1        | <1        | <1        | <1        | <1        |
| Bromomethane                | <1        | <1        | <1        | <1        | <1        |
| Cadmium, total              | <.8       | <.8       | <.8       | <.8       | <.8       |
| 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      | <8.0      |
| Cis-1,2-dichloroethylene    | <1        | <1        | <1        | <1        | <1        |
| Cis-1,3-dichloropropene     | <1        | <1        | <1        | <1        | <1        |
| Cobalt, total               | 4.4       | 1.1       | 1.6       | .8        | 3.9       |
| Copper, total               | <4.0      | <4.0      | <4.0      | <4.0      | 4.8       |
| Dibromochloromethane        | <1        | <1        | <1        | <1        | <1        |
| Dibromomethane              | <1        | <1        | <1        | <1        | <1        |
| Ethylbenzene                | <1        | <1        | <1        | <1        | <1        |
| Lead, total                 | <4.0      | <4.0      | <4.0      | <4.0      | <4.0      |
| Methyl iodide               | <1        | <1        | <1        | <1        | <1        |
| Methylene chloride          | <5        | <5        | <5        | <5        | <5        |
| Nickel, total               | 4.8       | 6.6       | 8.2       | 5.8       | 10.1      |
| Selenium, total             | <4        | <4        | <4        | <4        | <4        |
| Silver, total               | <4        | <4        | <4        | <4        | <4        |
| Styrene                     | <1        | <1        | <1        | <1        | <1        |
| Tetrachloroethylene         | <1        | <1        | <1        | <1        | <1        |
| Thallium, total             | <2        | <2        | <2        | <2        | <2        |
| Toluene                     | <1        | <1        | <1        | <1        | <1        |
| Total suspended solids      |           |           |           |           |           |
| Trans-1,2-dichloroethylene  | <1        | <1        | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | <1        | <1        | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | <5        | <5        | <5        | <5        | <5        |
| Trichloroethylene           | <1        | <1        | <1        | <1        | <1        |
| Trichlorofluoromethane      | <1        | <1        | <1        | <1        | <1        |
| Vanadium, total             | <20.0     | <20.0     | <20.0     | <20.0     | <20.0     |
| Vinyl acetate               | <5        | <5        | <5        | <5        | <5        |
| Vinyl chloride              | <1        | <1        | <1        | <1        | <1        |
| Xylenes, total              | <2        | <2        | <2        | <2        | <2        |
| Zinc, total                 | <20.0     | <20.0     | <20.0     | <20.0     | <20.0     |

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

Table 22

## Analytical Data Summary for PEC-3

| Constituents                | Units | 3/28/2022 | 4/18/2022 | 9/30/2024 |
|-----------------------------|-------|-----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | ug/L  | <1        | <1        | <1        |
| 1,1,1-trichloroethane       | ug/L  | <1        | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | ug/L  | <1        | <1        | <1        |
| 1,1,2-trichloroethane       | ug/L  | <1        | <1        | <1        |
| 1,1-dichloroethane          | ug/L  | <1        | <1        | <1        |
| 1,1-dichloroethylene        | ug/L  | <1        | <1        | <1        |
| 1,2,3-trichloropropane      | ug/L  | <1        | <1        | <1        |
| 1,2-dibromo-3-chloropropane | ug/L  | <5        | <5        | <5        |
| 1,2-dibromoethane           | ug/L  | <1        | <1        | <1        |
| 1,2-dichlorobenzene         | ug/L  | <1        | <1        | <1        |
| 1,2-dichloroethane          | ug/L  | <1        | <1        | <1        |
| 1,2-dichloropropane         | ug/L  | <1        | <1        | <1        |
| 1,4-dichlorobenzene         | ug/L  | <1        | <1        | <1        |
| 2-butanone (mek)            | ug/L  | <10       | <10       | <10       |
| 2-hexanone (mbk)            | ug/L  | <5        | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | ug/L  | <5        | <5        | <5        |
| Acetone                     | ug/L  | <10       | <10       | <10       |
| Acrylonitrile               | ug/L  | <5        | <5        | <5        |
| Benzene                     | ug/L  | 1.5       | <1.0      | <1.0      |
| Bromochloromethane          | ug/L  | <1        | <1        | <1        |
| Bromodichloromethane        | ug/L  | <1        | <1        | <1        |
| Bromoform                   | ug/L  | <1        | <1        | <1        |
| Bromomethane                | ug/L  | <1        | <1        | <1        |
| Carbon disulfide            | ug/L  | <1        | <1        | <1        |
| Carbon tetrachloride        | ug/L  | <1        | <1        | <1        |
| Chlorobenzene               | ug/L  | <1        | <1        | <1        |
| Chloroethane                | ug/L  | <1        | <1        | <1        |
| Chloroform                  | ug/L  | <1        | <1        | <1        |
| Chloromethane               | ug/L  | <1        | <1        | <1        |
| Cis-1,2-dichloroethylene    | ug/L  | 3.2       | <1.0      | <1.0      |
| Cis-1,3-dichloropropene     | ug/L  | <1        | <1        | <1        |
| Dibromochloromethane        | ug/L  | <1        | <1        | <1        |
| Dibromomethane              | ug/L  | <1        | <1        | <1        |
| Ethylbenzene                | ug/L  | <1        | <1        | <1        |
| Methyl iodide               | ug/L  | <1        | <1        | <1        |
| Methylene chloride          | ug/L  | <5        | <5        | <5        |
| Styrene                     | ug/L  | <1        | <1        | <1        |
| Tetrachloroethylene         | ug/L  | <1        | <1        | <1        |
| Toluene                     | ug/L  | <1        | <1        | <1        |
| Trans-1,2-dichloroethylene  | ug/L  | <1        | <1        | <1        |
| Trans-1,3-dichloropropene   | ug/L  | <1        | <1        | <1        |
| Trans-1,4-dichloro-2-butene | ug/L  | <5        | <5        | <5        |
| Trichloroethylene           | ug/L  | <1        | <1        | <1        |
| Trichlorofluoromethane      | ug/L  | <1        | <1        | <1        |
| Vinyl acetate               | ug/L  | <5        | <5        | <5        |
| Vinyl chloride              | ug/L  | <1        | <1        | <1        |
| Xylenes, total              | ug/L  | <2        | <2        | <2        |

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

Table 23

## Analytical Data Summary for Sramp 1

| Constituents                | Units | 3/13/2014 | 9/19/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 | 3/18/2017 | 9/19/2017 | 3/25/2019 |
|-----------------------------|-------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| 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  | <1.0      | <1.0      | <1.0      | <1.0      | <1.0      | <1.0     | <1.0      | <1.0      | <1.0      |
| 1,1-dichloroethylene        | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1        |
| 1,2,3-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  | <1.0      | <1.0      | 2.2       | 6.4       | 3.9       | 4.6      | 2.7       | <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  | <10.0     | <10.0     | <10.0     | <10.0     | 82.1      | <10.0    | <10.0     | <10.0     | 19.3      |
| Acrylonitrile               | ug/L  | <5        | <5        | <5        | <5        | <5        | <5       | <5        | <5        | <5        |
| Antimony, total             | ug/L  | <2        | <2        | <2        | <2        | <2        | <2       | <2        | <2        | <2        |
| Arsenic, total              | ug/L  | <4.0      | <4.0      | 11.2      | 13.5      | 15.4      | 9.3      | 8.0       | <4.0      | 7.4       |
| Barium, total               | ug/L  | 81.2      | 63.8      | 95.1      | 76.2      | 105.0     | 174.0    | 155.0     | 140.0     | 133.0     |
| Benzene                     | ug/L  | <1.0      | <1.0      | 2.6       | 6.2       | 5.0       | 2.2      | 2.0       | <1.0      | 1.2       |
| Beryllium, total            | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4        |
| Beta-bhc                    | ug/L  | <.05      | <.05      | <.05      | <.05      | <.05      | <.05     | <.05      | <.05      | <.05      |
| Bis(2-ethylhexyl) phthalate | ug/L  | <10       | <10       | <10       | <10       | <10       | <10      | <10       | <6        | <1        |
| 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  | <1.0      | <1.0      | <1.0      | 2.4       | 1.9       | 1.4      | 1.1       | <1.0      | 1.5       |
| Chloroethane                | ug/L  | <1.0      | <1.0      | <1.0      | 1.4       | 1.9       | 2.0      | 1.6       | <1.0      | 2.6       |
| 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  | <1.0      | <1.0      | 1.4       | 2.7       | 2.5       | 2.8      | 2.1       | <1.0      | 4.0       |
| Cis-1,3-dichloropropene     | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1        |
| Cobalt, total               | ug/L  | <4.0      | 5.5       | 7.2       | 4.9       | 20.1      | 7.1      | 8.1       | 1.5       | 7.7       |
| 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        |
| Dichlorodifluoromethane     | ug/L  | <1.0      | <1.0      | 16.7      | 40.6      | 16.5      | 40.7     | 34.8      | 3.1       | 38.4      |
| Ethylbenzene                | ug/L  | <1.0      | <1.0      | <1.0      | <1.0      | 2.1       | <1.0     | <1.0      | <1.0      | <1.0      |
| 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  | 33.7      | 19.5      | 23.1      | 12.4      | 27.9      | 24.9     | 23.9      | 6.7       | 18.2      |
| Selenium, total             | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4        |
| Silver, total               | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <4        |
| Styrene                     | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1        |
| Tetrachloroethylene         | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1        |
| Thallium, total             | ug/L  | <4        | <4        | <4        | <4        | <4        | <4       | <4        | <4        | <2        |
| Toluene                     | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1        |
| Total suspended solids      | mg/L  |           | 6         | 62        |           |           |          |           |           |           |
| 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  | <1.0      | <1.0      | <1.0      | 7.3       | 39.1      | 24.2     | 17.9      | 2.1       | 22.5      |
| 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        | <5        |
| Vinyl chloride              | ug/L  | <1        | <1        | <1        | <1        | <1        | <1       | <1        | <1        | <1        |
| Xylenes, total              | ug/L  | <2.0      | <2.0      | <2.0      | <2.0      | 2.4       | <2.0     | <2.0      | <2.0      | <2.0      |
| Zinc, total                 | ug/L  | 285.0     | 44.1      | 20.7      | <8.0      | <8.0      | 9.9      | <8.0      | <8.0      | <8.0      |

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

Table 23

## Analytical Data Summary for Sramp 1

| Constituents                | 9/3/2019 | 3/9/2021 | 3/28/2022 | 3/20/2023 |
|-----------------------------|----------|----------|-----------|-----------|
| 1,1,1,2-tetrachloroethane   | <1       | <1       | <1        | <1        |
| 1,1,1-trichloroethane       | <1       | <1       | <1        | <1        |
| 1,1,2,2-tetrachloroethane   | <1       | <1       | <1        | <1        |
| 1,1,2-trichloroethane       | <1       | <1       | <1        | <1        |
| 1,1-dichloroethane          | <1.0     | 2.6      | 1.4       | 1.4       |
| 1,1-dichloroethylene        | <1       | <1       | <1        | <1        |
| 1,2,3-trichloropropane      | <1       | <1       | <1        | <1        |
| 1,2-dibromo-3-chloropropane | <1       | <5       | <5        | <5        |
| 1,2-dibromoethane           | <1       | <1       | <1        | <1        |
| 1,2-dichlorobenzene         | <1       | <1       | <1        | <1        |
| 1,2-dichloroethane          | <1       | <1       | <1        | <1        |
| 1,2-dichloropropane         | <1       | <1       | <1        | <1        |
| 1,4-dichlorobenzene         | <1.0     | 5.8      | 5.0       | 6.5       |
| 2-butanone (mek)            | <5       | <5       | <10       | <10       |
| 2-hexanone (mbk)            | <5       | <5       | <5        | <5        |
| 4-methyl-2-pentanone (mibk) | <5       | <5       | <5        | <5        |
| Acetone                     | <10.0    | <10.0    | 23.5      | <10.0     |
| Acrylonitrile               | <5       | <5       | <5        | <5        |
| Antimony, total             | <2       | <2       | <2        | <2        |
| Arsenic, total              | 43.1     | 4.7      | 6.1       | 7.2       |
| Barium, total               | 200.0    | 80.4     | 77.1      | 82.9      |
| Benzene                     | 1.2      | 5.7      | 4.8       | 5.7       |
| Beryllium, total            | <4       | <4       | <4        | <4        |
| Beta-bhc                    |          |          |           |           |
| Bis(2-ethylhexyl) phthalate |          |          |           |           |
| Bromochloromethane          | <1       | <1       | <1        | <1        |
| Bromodichloromethane        | <1       | <1       | <1        | <1        |
| Bromoform                   | <1       | <1       | <1        | <1        |
| Bromomethane                | <1       | <1       | <1        | <1        |
| Cadmium, total              | <.8      | <.8      | <.8       | <.8       |
| Carbon disulfide            | <1       | <1       | <1        | <1        |
| Carbon tetrachloride        | <1       | <1       | <1        | <1        |
| Chlorobenzene               | <1.0     | 1.7      | 1.4       | 1.7       |
| Chloroethane                | 2.5      | 2.6      | 1.6       | 2.0       |
| Chloroform                  | <1       | <1       | <1        | <1        |
| Chloromethane               | <1       | <1       | <1        | <1        |
| Chromium, total             | <8       | <8       | <8        | <8        |
| Cis-1,2-dichloroethylene    | 2.4      | 4.4      | 3.0       | 3.0       |
| Cis-1,3-dichloropropene     | <1       | <1       | <1        | <1        |
| Cobalt, total               | 8.9      | 2.7      | 2.1       | 1.8       |
| Copper, total               | <4       | <4       | <4        | <4        |
| Dibromochloromethane        | <1       | <1       | <1        | <1        |
| Dibromomethane              | <1       | <1       | <1        | <1        |
| Dichlorodifluoromethane     | <1.0     | 50.7     | 12.2      | 18.4      |
| Ethylbenzene                | <1.0     | 1.9      | <1.0      | <1.0      |
| Lead, total                 | <4       | <4       | <4        | <4        |
| Methyl iodide               | <1       | <1       | <1        | <1        |
| Methylene chloride          | <5       | <5       | <5        | <5        |
| Nickel, total               | 26.0     | 6.4      | 7.6       | 7.5       |
| Selenium, total             | <4       | <4       | <4        | <4        |
| Silver, total               | <4       | <4       | <4        | <4        |
| Styrene                     | <1       | <1       | <1        | <1        |
| Tetrachloroethylene         | <1       | <1       | <1        | <1        |
| Thallium, total             | <2       | <2       | <2        | <2        |
| Toluene                     | <1       | <1       | <1        | <1        |
| Total suspended solids      |          |          |           |           |
| 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      | <1.0     | 28.0     | 8.1       | 9.1       |
| Vanadium, total             | <20      | <20      | <20       | <20       |
| Vinyl acetate               | <5       | <5       | <5        | <5        |
| Vinyl chloride              | <1       | <1       | <1        | <1        |
| Xylenes, total              | <2.0     | <2.0     | <2.0      | <2.0      |
| Zinc, total                 | <8.0     | <20.0    | <20.0     | <20.0     |

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



Table 24

## Analytical Data Summary for SRAMP 2

| Constituents                | Units | 3/13/2014 | 6/10/2014 | 8/7/2014 | 9/19/2014 | 11/13/2014 | 3/17/2015 | 9/11/2015 | 3/16/2016 | 9/8/2016 |
|-----------------------------|-------|-----------|-----------|----------|-----------|------------|-----------|-----------|-----------|----------|
| 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  | 82.2      | <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       |
| 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  | 24.0      | 58.3      | 99.7     | 73.9      | 52.7       | 63.5      | 92.8      | 110.0     | 98.3     |
| 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       |
| Beta-bhc                    | ug/L  | <.05      |           |          |           |            |           | <.05      | <.05      | <.05     |
| Bis(2-ethylhexyl) phthalate | ug/L  | <10       |           |          |           |            |           | <10       | <10       | <10      |
| 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  | <4.0      | <4.0      | <4.0     | <4.0      | <4.0       | <4.0      | <4.0      | <4.0      | <4.0     |
| Copper, total               | ug/L  | 5.1       | <4.0      | <4.0     | <4.0      | 10.4       | <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       |
| Dichlorodifluoromethane     | ug/L  | <1        |           |          |           |            |           | <1        | <1        | <1       |
| Ethylbenzene                | ug/L  | <1.0      | <1.0      | <1.0     | <1.0      | <1.0       | <1.0      | <1.0      | <1.0      | <1.0     |
| 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      | 7.8       | 5.9      | 4.7       | 4.4        | 4.9       | <4.0      | 4.2       | 4.8      |
| Selenium, total             | ug/L  | <4        | <4        | <4       | <4        | <4         | <4        | <4        | <4        | <4       |
| Silver, total               | ug/L  | <4        | <4        | <4       | <4        | <4         | <4        | <4        | <4        | <4       |
| Styrene                     | ug/L  | <1        | <1        | <1       | <1        | <1         | <1        | <1        | <1        | <1       |
| 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       |
| Total suspended solids      | mg/L  |           |           |          | <2        |            | <2        |           |           |          |
| Trans-1,2-dichloroethylene  | ug/L  | <1        | <1        | <1       | <1        | <1         | <1        | <1        | <1        | <1       |
| Trans-1,3-dichloropropene   | ug/L  | <1        | <1        | <1       | <1        | <1         | <1        | <1        | <1        | <1       |
| Trans-1,4-dichloro-2-butene | ug/L  | <5        | <5        | <5       | <5        | <5         | <5        | <5        | <5        | <5       |
| Trichloroethylene           | ug/L  | <1        | <1        | <1       | <1        | <1         | <1        | <1        | <1        | <1       |
| Trichlorofluoromethane      | ug/L  | <1        | <1        | <1       | <1        | <1         | <1        | <1        | <1        | <1       |
| Vanadium, total             | ug/L  | <20       | <20       | <20      | <20       | <20        | <20       | <20       | <20       | <20      |
| Vinyl acetate               | ug/L  | <5        | <5        | <5       | <5        | <5         | <5        | <5        | <5        | <5       |
| Vinyl chloride              | ug/L  | <1        | <1        | <1       | <1        | <1         | <1        | <1        | <1        | <1       |
| Xylenes, total              | ug/L  | <2.0      | <2.0      | <2.0     | <2.0      | <2.0       | <2.0      | <2.0      | <2.0      | <2.0     |
| Zinc, total                 | ug/L  | 9.7       | <8.0      | 9.1      | <8.0      | <20.0      | <8.0      | <8.0      | <8.0      | <8.0     |

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

Table 24

Analytical Data Summary for SRAMP 2

| Constituents                | 3/18/2017 | 3/8/2018 | 9/24/2018 | 12/20/2018 | 3/25/2019 | 3/23/2020 | 3/9/2021 | 3/28/2022 | 3/20/2023 |
|-----------------------------|-----------|----------|-----------|------------|-----------|-----------|----------|-----------|-----------|
| 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        | <1       | <1        |            | <1        | <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        | <5       | <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                     | <10.0     | <10.0    | <10.0     |            | <10.0     | <10.0     | <10.0    | <10.0     | <10.0     |
| Acrylonitrile               | <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               | 86.9      | 61.0     | 84.1      |            | 81.3      | 77.9      | 36.6     | 50.2      |           |
| Benzene                     | <1        | <1       | <1        |            | <1        | <1        | <1       | <1        | <1        |
| Beryllium, total            | <4        | <4       | <4        |            | <4        | <4        | <4       | <4        | <4        |
| Beta-bhc                    | <.05      |          |           |            |           |           |          |           |           |
| Bis(2-ethylhexyl) phthalate | <10       |          |           |            |           |           |          |           |           |
| 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       | <.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        | <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       | 1.1      | <.8       |            | <.8       | <.8       | <.8      | <.8       | <.8       |
| Copper, total               | <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        |
| Dibromomethane              | <1        | <1       | <1        |            | <1        | <1        | <1       | <1        | <1        |
| Dichlorodifluoromethane     | <1        | <1       | <1        |            | <1        | <1        | <1       | <1        | <1        |
| Ethylbenzene                | <1.0      | <1.0     | 1.5       | <1.0       | <1.0      | <1.0      | <1.0     | <1.0      | <1.0      |
| Lead, total                 | <4        | <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               | 4.3       | 7.5      | 4.5       |            | 14.7      | <4.0      | <4.0     | 4.8       |           |
| Selenium, total             | <4        | <4       | <4        |            | <4        | <4        | <4       | <4        | <4        |
| Silver, total               | <4        | <4       | <4        |            | <4        | <4        | <4       | <4        | <4        |
| Styrene                     | <1        | <1       | <1        |            | <1        | <1        | <1       | <1        | <1        |
| Tetrachloroethylene         | <1        | <1       | <1        |            | <1        | <1        | <1       | <1        | <1        |
| Thallium, total             | <4        | <4       | <4        |            | <2        | <2        | <2       | <2        | <2        |
| Toluene                     | <1        | <1       | <1        |            | <1        | <1        | <1       | <1        | <1        |
| Total suspended solids      |           |          |           |            |           |           |          |           |           |
| 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              | <2.0      | <2.0     | 8.1       | <2.0       | <2.0      | <2.0      | <2.0     | <2.0      | <2.0      |
| Zinc, total                 | <8.0      | 13.3     | <8.0      |            | <8.0      | <20.0     | <20.0    | <20.0     | <20.0     |

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

Table 24

## Analytical Data Summary for SRAMP 2

| Constituents                | 3/12/2024 |
|-----------------------------|-----------|
| 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        |
| 1,2,3-trichloropropane      | <1        |
| 1,2-dibromo-3-chloropropane | <5        |
| 1,2-dibromoethane           | <1        |
| 1,2-dichlorobenzene         | <1        |
| 1,2-dichloroethane          | <1        |
| 1,2-dichloropropane         | <1        |
| 1,4-dichlorobenzene         | <1        |
| 2-butanone (mek)            | <10       |
| 2-hexanone (mbk)            | <5        |
| 4-methyl-2-pentanone (mibk) | <5        |
| Acetone                     | <10.0     |
| Acrylonitrile               | <5        |
| Antimony, total             |           |
| Arsenic, total              |           |
| Barium, total               |           |
| Benzene                     | <1        |
| Beryllium, total            |           |
| Beta-bhc                    |           |
| Bis(2-ethylhexyl) phthalate |           |
| Bromochloromethane          | <1        |
| Bromodichloromethane        | <1        |
| Bromoform                   | <1        |
| Bromomethane                | <1        |
| Cadmium, total              |           |
| Carbon disulfide            | <1        |
| Carbon tetrachloride        | <1        |
| Chlorobenzene               | <1        |
| Chloroethane                | <1        |
| Chloroform                  | <1        |
| Chloromethane               | <1        |
| Chromium, total             |           |
| Cis-1,2-dichloroethylene    | <1        |
| Cis-1,3-dichloropropene     | <1        |
| Cobalt, total               |           |
| Copper, total               |           |
| Dibromochloromethane        | <1        |
| Dibromomethane              | <1        |
| Dichlorodifluoromethane     | <1        |
| Ethylbenzene                | <1.0      |
| Lead, total                 |           |
| Methyl iodide               | <1        |
| Methylene chloride          | <5        |
| Nickel, total               |           |
| Selenium, total             |           |
| Silver, total               |           |
| Styrene                     | <1        |
| Tetrachloroethylene         | <1        |
| Thallium, total             |           |
| Toluene                     | <1        |
| Total suspended solids      |           |
| 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              | <1        |
| Xylenes, total              | <2.0      |
| Zinc, total                 |           |

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

Appendix D  
Statistical Report

## APPENDIX D.1 –Spring Statistical Evaluation

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**GROUND WATER STATISTICS**

**FOR THE**

**BOONE COUNTY SANITARY LANDFILL**

**First Semi-Annual Monitoring Event in 2024**

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**April 2024**

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## INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the first semi-annual monitoring event in 2024 at the Boone County Sanitary Landfill in Boone County, Iowa. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the Boone County Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10, USEPA Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance*”, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

### Ground Water Monitoring Program

The groundwater monitoring network for Boone County Sanitary Landfill includes upgradient wells MW88-2, MW91-8, MW98-28, MW02-15A, and MW02-30A, and downgradient detection sample points UD-3, GWD-1, MW88-3, MW91-10, MW94-18, MW94-19, MW96-21, MW96-23, and MW96-24. Detections of volatile organic compounds (VOCs) and statistical exceedances at wells along the north edge of the facility prompted a site remedial and mitigating action plan (SRAMP). Monitoring well MW98-25 situated along the north property line, has had verified VOC detections and inorganic exceedances. Sentinel wells SRAMP 1, SRAMP 2, MW06-37, MW06-38, and MW06-39 were installed to monitor the effectiveness of the SRAMP. Additional sample points (MW09-40 and MW09-42) have been added to monitor the downgradient zone to comply with the well spacing requirements of 113.10(2)e(2).

Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

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

*Organic Compounds:*

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

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

*Inorganic constituents:*

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

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

## STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The prediction limit method was applied to the Boone County Landfill data using the DUMPStat<sup>®</sup> 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. As an alternative to nonparametric prediction limits, Poisson prediction limits can be used for small data sets where the detection frequency is less than 25%. Since there was limited background, Poisson prediction limits were previously computed for those rarely detected parameters. Since the Unified Guidance recommends nonparametric limits over Poisson limits, nonparametric limits were used for the current comparisons



**Results of the Interwell Statistics**

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW88-2, MW91-8, MW98-28, MW02-15A, and MW02-30A during the period from September 2014 through the current data. A summary of the background data from monitoring wells MW88-2, MW91-8, MW98-28, MW02-15A, and MW02-30A, 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 MW09-40, MW88-3, MW91-10, MW94-18, MW96-23, MW96-24, MW21-43, MW98-25, MW06-37, MW06-38, MW06-39, and GU-4 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 Exceedances detected during the First Semi-Annual Monitoring Event in 2024**

| Well    | Trace Metal | Result, µg/L | Prediction Limit, µg/L | Prediction Limit Type | Verified/<br>Awaiting Verification |
|---------|-------------|--------------|------------------------|-----------------------|------------------------------------|
| MW98-25 | Cobalt      | 10.7         | 7.0000                 | Nonparametric         | Verified                           |
|         | Nickel      | 23.6         | 17.4000                | Nonparametric         | Verified                           |

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. With the exception of barium, these constituents are rarely detected in the upgradient wells. With the detection frequencies being less than 50% for all but barium, nonparametric site prediction limits are used for those trace metals.

Table 4 summarizes the results of the Shapiro-Wilk test. The background barium data failed a normal distribution so barium uses a nonparametric site prediction limit. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 3 standard deviation unit increases over background.

The verified exceedances were evaluated against the GWPS using confidence limits. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified

constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCL for cobalt at MW98-25 (9.358 µg/L) exceeds the Iowa Statewide standard of 2.1 µg/L. The remainder of the calculated 95% LCLs for the verified trace metals are all below the respective ground water standards.

### Volatil Organic Compounds

Volatil 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 Boone County Landfill during the first semi-annual monitoring event in 2024 are summarized below.

#### VOCs detected during the First Semi-Annual Monitoring Event in 2024

| Well    | VOC Detected                   | Result, µg/L | Reporting Limit, µg/L | Verified/<br>Awaiting Verification | Ground Water Standard |
|---------|--------------------------------|--------------|-----------------------|------------------------------------|-----------------------|
| MW98-25 | 1,1-Dichloroethane             | 1.1          | 1                     | Verified                           | 140 <sup>b</sup>      |
|         | 1,4-Dichlorobenzene            | 1.6          | 1                     | Verified                           | 75 <sup>a</sup>       |
|         | Chloroethane                   | 1.4          | 1                     | Verified                           | 2800 <sup>b</sup>     |
|         | <i>cis</i> -1,2-Dichloroethene | 1.4          | 1                     | Verified                           | 70 <sup>a</sup>       |
|         | Trichlorofluoromethane         | 1.0          | 1                     | Verified                           | 2000 <sup>b</sup>     |

a - USEPA MCL

b – Iowa Statewide Standard

Historical VOC detections are summarized in Attachment C.

The verified VOC detections were evaluated against the GWPS using confidence limits (Attachment D). The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the 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 the VOCs are all below the respective ground water standards.

### CONCLUSIONS

This report summarizes the statistical analyses used to evaluate the ground water data obtained during the first semi-annual monitoring event in 2024 at Boone County Sanitary Landfill. The ground water data obtained during the first semi-annual monitoring event in 2024 was compared to background using prediction limits. For the most current data, there is a verified site prediction limit exceedance detected for cobalt at MW98-25 and a verified site prediction limit exceedance detected for nickel at MW98-25.

The VOCs were compared to MCLs or PQLs, in lieu of statistical comparisons to historical concentrations. There are verified detections of several VOCs at MW98-25. None of the VOCs statistically exceeded the ground water quality standards.

**Attachment A**

Summary of the Data obtained during the First Semi-Annual Monitoring Event in 2024

Table 1

Analytical Data Summary for 3/12/2024

| Constituents                | Units | GU-4 | MW02-15A | MW02-30A | MW06-37 | MW06-38 | MW06-39 | MW09-40 | MW21-43 | MW88-2 | MW88-3 | MW91-10 | MW91-8 | MW94-18 |
|-----------------------------|-------|------|----------|----------|---------|---------|---------|---------|---------|--------|--------|---------|--------|---------|
| (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      |
| 1,1,1-trichloroethane       | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| 1,1,2,2-tetrachloroethane   | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| 1,1,2-trichloroethane       | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| 1,1-dichloroethane          | ug/L  | <1.0 | <1.0     | <1.0     | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0   | <1.0   | <1.0    | <1.0   | <1.0    |
| 1,1-dichloroethylene        | ug/L  | <1   | <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      |
| 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     | <5      |
| 1,2-dibromoethane           | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| 1,2-dichlorobenzene         | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| 1,2-dichloroethane          | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| 1,2-dichloropropane         | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| 1,2-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   | <1.0    |
| 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    | <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     | <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 3/12/2024

| Constituents                | MW96-21 | MW96-23 | MW96-24 | MW98-25 | MW98-28 | SRAMP 2 |
|-----------------------------|---------|---------|---------|---------|---------|---------|
| (3,4)-methylphenol          | <8      |         |         |         |         |         |
| 1,1,1,2-tetrachloroethane   | <1      | <1      | <1      | <1      | <1      | <1      |
| 1,1,1-trichloroethane       | <1      | <1      | <1      | <1      | <1      | <1      |
| 1,1,2,2-tetrachloroethane   | <1      | <1      | <1      | <1      | <1      | <1      |
| 1,1,2-trichloroethane       | <1      | <1      | <1      | <1      | <1      | <1      |
| 1,1-dichloroethane          | <1.0    | <1.0    | <1.0    | 1.1     | <1.0    | <1.0    |
| 1,1-dichloroethylene        | <1      | <1      | <1      | <1      | <1      | <1      |
| 1,1-dichloropropene         | <1      |         |         |         |         |         |
| 1,2,3-trichloropropane      | <1      | <1      | <1      | <1      | <1      | <1      |
| 1,2,4,5-tetrachlorobenzene  | <8      |         |         |         |         |         |
| 1,2,4-trichlorobenzene      | <1      |         |         |         |         |         |
| 1,2-dibromo-3-chloropropane | <1      | <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      |
| 1,2-dinitrobenzene          | <8      |         |         |         |         |         |
| 1,3,5-trinitrobenzene       | <8      |         |         |         |         |         |
| 1,3-dichlorobenzene         | <1      |         |         |         |         |         |
| 1,3-dichloropropane         | <1      |         |         |         |         |         |
| 1,3-dinitrobenzene          | <8      |         |         |         |         |         |
| 1,4-dichlorobenzene         | <1.0    | <1.0    | <1.0    | 1.6     | <1.0    | <1.0    |
| 1,4-naphthoquinone          | <8      |         |         |         |         |         |
| 1,4-phenylenediamine        | <8      |         |         |         |         |         |
| 1-naphthylamine             | <8      |         |         |         |         |         |
| 2,2-dichloropropane         | <1      |         |         |         |         |         |
| 2,3,4,6-tetrachlorophenol   | <8      |         |         |         |         |         |
| 2,4,5-t                     | <5      |         |         |         |         |         |
| 2,4,5-tp (silvex)           | <5      |         |         |         |         |         |
| 2,4,5-trichlorophenol       | <8      |         |         |         |         |         |
| 2,4,6-trichlorophenol       | <8      |         |         |         |         |         |
| 2,4-d                       | <2      |         |         |         |         |         |
| 2,4-dichlorophenol          | <8      |         |         |         |         |         |
| 2,4-dimethylphenol          | <8      |         |         |         |         |         |
| 2,4-dinitrophenol           | <8      |         |         |         |         |         |
| 2,4-dinitrotoluene          | <8      |         |         |         |         |         |
| 2,6-dichlorophenol          | <8      |         |         |         |         |         |
| 2,6-dinitrotoluene          | <8      |         |         |         |         |         |
| 2-acetylaminofluorene       | <8      |         |         |         |         |         |
| 2-butanone (mek)            | <5      | <10     | <10     | <10     | <10     | <10     |
| 2-chloronaphthalene         | <8      |         |         |         |         |         |
| 2-chlorophenol              | <8      |         |         |         |         |         |
| 2-hexanone (mbk)            | <5      | <5      | <5      | <5      | <5      | <5      |
| 2-methylnaphthalene         | <8      |         |         |         |         |         |
| 2-methylphenol              | <8      |         |         |         |         |         |
| 2-naphthylamine             | <8      |         |         |         |         |         |
| 2-nitroaniline              | <8      |         |         |         |         |         |
| 2-nitrophenol               | <8      |         |         |         |         |         |
| 3,3'-dichlorobenzidine      | <8      |         |         |         |         |         |
| 3,3'-dimethylbenzidine      | <8      |         |         |         |         |         |
| 3-methylcholanthrene        | <8      |         |         |         |         |         |
| 3-nitroaniline              | <8      |         |         |         |         |         |
| 4,4'-ddd                    | <.05    |         |         |         |         |         |
| 4,4'-dde                    | <.05    |         |         |         |         |         |

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Table 1

Analytical Data Summary for 3/12/2024

| Constituents                   | Units | GU-4  | MW02-15A | MW02-30A | MW06-37 | MW06-38 | MW06-39 | MW09-40 | MW21-43 | MW88-2 | MW88-3 | MW91-10 | MW91-8 | MW94-18 |
|--------------------------------|-------|-------|----------|----------|---------|---------|---------|---------|---------|--------|--------|---------|--------|---------|
| 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     | <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    | <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     | <5      |
| Aldrin                         | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Allyl chloride                 | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Alpha-bhc                      | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Anthracene                     | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Antimony, total                | ug/L  | <2    | <2       | <2       | <2      | <2      | <2      | <2      | <2      | <2     | <2     | <2      | <2     | <2      |
| Arochlor 1016                  | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Arochlor 1221                  | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Arochlor 1232                  | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Arochlor 1242                  | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Arochlor 1248                  | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Arochlor 1254                  | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Arochlor 1260                  | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Arsenic, total                 | ug/L  | <4.0  | <4.0     | 44.3     | <4.0    | <4.0    | <4.0    | <4.0    | 6.4     | 12.7   | <4.0   | <4.0    | <4.0   | <4.0    |
| Azobenzene                     | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Barium, total                  | ug/L  | 368.0 | 38.9     | 120.0    | 128.0   | 196.0   | 174.0   | 21.3    | 226.0   | 270.0  | 134.0  | 40.7    | 107.0  | 24.4    |
| Benzene                        | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Benzo(a)anthracene             | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Benzo(a)pyrene                 | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Benzo(b)fluoranthene           | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Benzo(g,h,i)perylene           | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Benzo(k)fluoranthene           | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Benzyl alcohol                 | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Beryllium, total               | ug/L  | <4    | <4       | <4       | <4      | <4      | <4      | <4      | <4      | <4     | <4     | <4      | <4     | <4      |
| Beta-bhc                       | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Bis (2-chloroethoxy) methane   | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Bis(2-chloroethyl) ether       | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Bis(2-chloroisopropyl) ether   | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Bis(2-ethylhexyl) phthalate    | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Bromochloromethane             | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Bromodichloromethane           | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Bromoforn                      | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Bromomethane                   | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Butyl benzyl phthalate         | ug/L  |       |          |          |         |         |         |         |         |        |        |         |        |         |
| Cadmium, total                 | ug/L  | <.8   | <.8      | <.8      | <.8     | <.8     | <.8     | <.8     | <.8     | <.8    | <.8    | <.8     | <.8    | <.8     |
| Carbon disulfide               | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |

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Table 1

Analytical Data Summary for 3/12/2024

| Constituents                   | MW96-21 | MW96-23 | MW96-24 | MW98-25 | MW98-28 | SRAMP 2 |
|--------------------------------|---------|---------|---------|---------|---------|---------|
| 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      |
| 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     |
| Acetonitrile                   | <10     |         |         |         |         |         |
| Acetophenone                   | <8      |         |         |         |         |         |
| Acrolein                       | <10     |         |         |         |         |         |
| Acrylonitrile                  | <5      | <5      | <5      | <5      | <5      | <5      |
| Aldrin                         | <.05    |         |         |         |         |         |
| Allyl chloride                 | <1      |         |         |         |         |         |
| Alpha-bhc                      | <.05    |         |         |         |         |         |
| Anthracene                     | <8      |         |         |         |         |         |
| Antimony, total                |         | <2      | <2      | <2      | <2      |         |
| Arochlor 1016                  | <2      |         |         |         |         |         |
| Arochlor 1221                  | <2      |         |         |         |         |         |
| Arochlor 1232                  | <2      |         |         |         |         |         |
| Arochlor 1242                  | <2      |         |         |         |         |         |
| Arochlor 1248                  | <2      |         |         |         |         |         |
| Arochlor 1254                  | <2      |         |         |         |         |         |
| Arochlor 1260                  | <2      |         |         |         |         |         |
| Arsenic, total                 |         | 33.0    | <4.0    | 16.7    | <4.0    |         |
| Azobenzene                     | <8      |         |         |         |         |         |
| Barium, total                  |         | 644.0   | 541.0   | 110.0   | 246.0   |         |
| Benzene                        | <1      | <1      | <1      | <1      | <1      | <1      |
| Benzo(a)anthracene             | <8      |         |         |         |         |         |
| Benzo(a)pyrene                 | <8      |         |         |         |         |         |
| Benzo(b)fluoranthene           | <8      |         |         |         |         |         |
| Benzo(g,h,i)perylene           | <8      |         |         |         |         |         |
| Benzo(k)fluoranthene           | <8      |         |         |         |         |         |
| Benzyl alcohol                 | <8      |         |         |         |         |         |
| Beryllium, total               |         | <4      | <4      | <4      | <4      |         |
| Beta-bhc                       | <.05    |         |         |         |         |         |
| Bis (2-chloroethoxy) methane   | <8      |         |         |         |         |         |
| Bis(2-chloroethyl) ether       | <8      |         |         |         |         |         |
| Bis(2-chloroisopropyl) ether   | <8      |         |         |         |         |         |
| Bis(2-ethylhexyl) phthalate    | <6      |         |         |         |         |         |
| Bromochloromethane             | <1      | <1      | <1      | <1      | <1      | <1      |
| Bromodichloromethane           | <1      | <1      | <1      | <1      | <1      | <1      |
| Bromoform                      | <1      | <1      | <1      | <1      | <1      | <1      |
| Bromomethane                   | <1      | <1      | <1      | <1      | <1      | <1      |
| Butyl benzyl phthalate         | <8      |         |         |         |         |         |
| Cadmium, total                 |         | <.8     | <.8     | <.8     | <.8     |         |
| Carbon disulfide               | <1      | <1      | <1      | <1      | <1      | <1      |

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



Table 1

Analytical Data Summary for 3/12/2024

| Constituents              | Units | GU-4 | MW02-15A | MW02-30A | MW06-37 | MW06-38 | MW06-39 | MW09-40 | MW21-43 | MW88-2 | MW88-3 | MW91-10 | MW91-8 | MW94-18 |
|---------------------------|-------|------|----------|----------|---------|---------|---------|---------|---------|--------|--------|---------|--------|---------|
| Carbon tetrachloride      | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Chlordane                 | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Chlorobenzene             | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Chlorobenzilate           | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Chloroethane              | ug/L  | <1.0 | <1.0     | <1.0     | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0   | <1.0   | <1.0    | <1.0   | <1.0    |
| Chloroform                | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Chloromethane             | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Chloroprene               | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Chromium, total           | ug/L  | <8   | <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   | <1.0   | <1.0    | <1.0   | <1.0    |
| Cis-1,3-dichloropropene   | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Cobalt, total             | ug/L  | <4   | 1.2      | .6       | <4      | <4      | <4      | <4      | <4      | .8     | <4     | <4      | <4     | <4      |
| Copper, total             | ug/L  | <4.0 | <4.0     | <4.0     | <4.0    | <4.0    | <4.0    | <4.0    | 4.0     | <4.0   | 18.5   | <4.0    | <4.0   | 5.7     |
| 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     | <1      |
| Dibromomethane            | ug/L  | <1   | <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  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Ethyl methacrylate        | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Ethyl methanesulfonate    | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Ethylbenzene              | ug/L  | <1   | <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  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Hexachloroethane          | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Hexachloropropene         | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Indeno(1,2,3-cd)pyrene    | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Isobutanol                | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Isodrin                   | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Isophorone                | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |

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

Table 1

Analytical Data Summary for 3/12/2024

| Constituents              | MW96-21 | MW96-23 | MW96-24 | MW98-25 | MW98-28 | SRAMP 2 |
|---------------------------|---------|---------|---------|---------|---------|---------|
| Carbon tetrachloride      | <1      | <1      | <1      | <1      | <1      | <1      |
| Chlordane                 | <.1     |         |         |         |         |         |
| Chlorobenzene             | <1      | <1      | <1      | <1      | <1      | <1      |
| Chlorobenzilate           | <8      |         |         |         |         |         |
| Chloroethane              | <1.0    | <1.0    | <1.0    | 1.4     | <1.0    | <1.0    |
| Chloroform                | <1      | <1      | <1      | <1      | <1      | <1      |
| Chloromethane             | <1      | <1      | <1      | <1      | <1      | <1      |
| Chloroprene               | <1      |         |         |         |         |         |
| Chromium, total           |         | <8      | <8      | <8      | <8      |         |
| Chrysene                  | <8      |         |         |         |         |         |
| Cis-1,2-dichloroethylene  | <1.0    | <1.0    | <1.0    | 1.4     | <1.0    | <1.0    |
| Cis-1,3-dichloropropene   | <1      | <1      | <1      | <1      | <1      | <1      |
| Cobalt, total             |         | <.4     | <.4     | 10.7    | .8      |         |
| Copper, total             |         | <4.0    | <4.0    | <4.0    | <4.0    |         |
| Cyanide, total            | <.005   |         |         |         |         |         |
| Delta-bhc                 | <.05    |         |         |         |         |         |
| Diallate                  | <8      |         |         |         |         |         |
| Dibenzo(a,h)anthracene    | <8      |         |         |         |         |         |
| Dibenzofuran              | <8      |         |         |         |         |         |
| Dibromochloromethane      | <1      | <1      | <1      | <1      | <1      | <1      |
| Dibromomethane            | <1      | <1      | <1      | <1      | <1      | <1      |
| Dichlorodifluoromethane   | <1      |         |         | <1      |         | <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      |
| Famphur                   | <.4     |         |         |         |         |         |
| Fluoranthene              | <8      |         |         |         |         |         |
| Fluorene                  | <8      |         |         |         |         |         |
| Gamma-bhc (lindane)       | <.05    |         |         |         |         |         |
| Heptachlor                | <.05    |         |         |         |         |         |
| Heptachlor epoxide        | <.05    |         |         |         |         |         |
| Hexachlorobenzene         | <.05    |         |         |         |         |         |
| Hexachlorobutadiene       | <8      |         |         |         |         |         |
| Hexachlorocyclopentadiene | <8      |         |         |         |         |         |
| Hexachloroethane          | <8      |         |         |         |         |         |
| Hexachloropropene         | <8      |         |         |         |         |         |
| Indeno(1,2,3-cd)pyrene    | <8      |         |         |         |         |         |
| Isobutanol                | <1000   |         |         |         |         |         |
| Isodrin                   | <8      |         |         |         |         |         |
| Isophorone                | <8      |         |         |         |         |         |

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

Table 1

Analytical Data Summary for 3/12/2024

| Constituents                    | Units | GU-4 | MW02-15A | MW02-30A | MW06-37 | MW06-38 | MW06-39 | MW09-40 | MW21-43 | MW88-2 | MW88-3 | MW91-10 | MW91-8 | MW94-18 |
|---------------------------------|-------|------|----------|----------|---------|---------|---------|---------|---------|--------|--------|---------|--------|---------|
| Isosafrole                      | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Kepone                          | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Lead, total                     | ug/L  | <4   | <4       | <4       | <4      | <4      | <4      | <4      | <4      | <4     | <4     | <4      | <4     | <4      |
| Methacrylonitrile               | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Methapyrilene                   | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Methoxychlor                    | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Methyl iodide                   | ug/L  | <1   | <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     | <5      |
| Naphthalene                     | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Nickel, total                   | ug/L  | <4.0 | 6.6      | <4.0     | <4.0    | <4.0    | <4.0    | <4.0    | 6.4     | <4.0   | <4.0   | <4.0    | <4.0   | <4.0    |
| Nitrobenzene                    | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| N-nitrosodiethylamine           | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| N-nitrosodimethylamine          | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| N-nitrosodi-n-butylamine        | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| N-nitroso-di-n-propylamine      | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| N-nitrosodiphenylamine          | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| N-nitrosomethylethylamine       | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| N-nitrosopiperidine             | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| N-nitrosopyrrolidine            | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| O,o,o-triethyl phosphorothioate | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| O-toluidine                     | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Parathion                       | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| P-dimethylaminoazobenzene       | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Pentachlorobenzene              | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Pentachloronitrobenzene (pcnb)  | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Pentachlorophenol               | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Phenacetin                      | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Phenanthrene                    | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Phenol                          | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Phorate                         | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Pronamide                       | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Propionitrile                   | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Pyrene                          | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Safrole                         | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Selenium, total                 | ug/L  | <4   | <4       | <4       | <4      | <4      | <4      | <4      | <4      | <4     | <4     | <4      | <4     | <4      |
| Silver, total                   | ug/L  | <4   | <4       | <4       | <4      | <4      | <4      | <4      | <4      | <4     | <4     | <4      | <4     | <4      |
| Styrene                         | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Sulfide, total                  | mg/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Tetrachloroethylene             | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Thallium, total                 | ug/L  | <2   | <2       | <2       | <2      | <2      | <2      | <2      | <2      | <2     | <2     | <2      | <2     | <2      |
| Thionazin                       | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Toluene                         | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Toxaphene                       | ug/L  |      |          |          |         |         |         |         |         |        |        |         |        |         |
| Trans-1,2-dichloroethylene      | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Trans-1,3-dichloropropene       | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Trans-1,4-dichloro-2-butene     | ug/L  | <5   | <5       | <5       | <5      | <5      | <5      | <5      | <5      | <5     | <5     | <5      | <5     | <5      |
| Trichloroethylene               | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Trichlorofluoromethane          | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |
| Vanadium, total                 | ug/L  | <20  | <20      | <20      | <20     | <20     | <20     | <20     | <20     | <20    | <20    | <20     | <20    | <20     |
| Vinyl acetate                   | ug/L  | <5   | <5       | <5       | <5      | <5      | <5      | <5      | <5      | <5     | <5     | <5      | <5     | <5      |
| Vinyl chloride                  | ug/L  | <1   | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     | <1     | <1      | <1     | <1      |

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

Table 1

Analytical Data Summary for 3/12/2024

| Constituents                    | MW96-21 | MW96-23 | MW96-24 | MW98-25 | MW98-28 | SRAMP 2 |
|---------------------------------|---------|---------|---------|---------|---------|---------|
| Isosafrole                      | <8      |         |         |         |         |         |
| Kepone                          | <8      |         |         |         |         |         |
| Lead, total                     |         | <4      | <4      | <4      | <4      |         |
| Methacrylonitrile               | <1      |         |         |         |         |         |
| Methapyrilene                   | <8      |         |         |         |         |         |
| Methoxychlor                    | <.05    |         |         |         |         |         |
| Methyl iodide                   | <2      | <1      | <1      | <1      | <1      | <1      |
| Methyl methacrylate             | <1      |         |         |         |         |         |
| Methyl methanesulfonate         | <8      |         |         |         |         |         |
| Methyl parathion                | <.4     |         |         |         |         |         |
| Methylene chloride              | <5      | <5      | <5      | <5      | <5      | <5      |
| Naphthalene                     | <8      |         |         |         |         |         |
| Nickel, total                   |         | <4.0    | <4.0    | 23.6    | 5.8     |         |
| 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      |         |
| Silver, total                   |         | <4      | <4      | <4      | <4      |         |
| Styrene                         | <1      | <1      | <1      | <1      | <1      | <1      |
| Sulfide, total                  | <.15    |         |         |         |         |         |
| Tetrachloroethylene             | <1      | <1      | <1      | <1      | <1      | <1      |
| Thallium, total                 |         | <2      | <2      | <2      | <2      |         |
| Thionazin                       | <.4     |         |         |         |         |         |
| Toluene                         | <1      | <1      | <1      | <1      | <1      | <1      |
| Toxaphene                       | <.2     |         |         |         |         |         |
| 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     |         |
| Vinyl acetate                   | <5      | <5      | <5      | <5      | <5      | <5      |
| Vinyl chloride                  | <1      | <1      | <1      | <1      | <1      | <1      |

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

Table 1

## Analytical Data Summary for 3/12/2024

| Constituents   | Units | GU-4 | MW02-15A | MW02-30A | MW06-37 | MW06-38 | MW06-39 | MW09-40 | MW21-43 | MW88-2 | MW88-3 | MW91-10 | MW91-8 | MW94-18 |
|----------------|-------|------|----------|----------|---------|---------|---------|---------|---------|--------|--------|---------|--------|---------|
| Xylenes, total | ug/L  | <2   | <2       | <2       | <2      | <2      | <2      | <2      | <2      | <2     | <2     | <2      | <2     | <2      |
| Zinc, total    | ug/L  | 70.7 | <20.0    | <20.0    | <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 1

## Analytical Data Summary for 3/12/2024

| Constituents   | MW96-21 | MW96-23 | MW96-24 | MW98-25 | MW98-28 | SRAMP 2 |
|----------------|---------|---------|---------|---------|---------|---------|
| Xylenes, total | <2      | <2      | <2      | <2      | <2      | <2      |
| Zinc, total    |         | <20.0   | <20.0   | <20.0   | <20.0   |         |

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

**Attachment B**

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

| Constituent      | Units | Well     | Date       |    | Result  | Adjusted |
|------------------|-------|----------|------------|----|---------|----------|
| Antimony, total  | ug/L  | MW02-15A | 09/18/2014 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 11/13/2014 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/17/2015 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 06/29/2015 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/11/2015 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/16/2016 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/08/2016 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/17/2017 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/19/2017 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/08/2018 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/24/2018 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/25/2019 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/03/2019 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/23/2020 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/04/2020 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/09/2021 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/07/2021 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/28/2022 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/14/2022 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/20/2023 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/12/2023 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/12/2024 | ND | 2.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/18/2014 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/09/2021 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000  |          |
| Barium, total    | ug/L  | MW02-15A | 09/18/2014 |    | 33.4000 |          |
| Barium, total    | ug/L  | MW02-15A | 11/13/2014 |    | 33.1000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/17/2015 |    | 30.2000 |          |
| Barium, total    | ug/L  | MW02-15A | 06/29/2015 |    | 28.7000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/11/2015 |    | 34.8000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/16/2016 |    | 40.4000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/08/2016 |    | 44.8000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/17/2017 |    | 43.5000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/19/2017 |    | 36.0000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/08/2018 |    | 31.9000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/24/2018 |    | 32.2000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/25/2019 |    | 30.0000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/03/2019 |    | 30.4000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/23/2020 |    | 32.0000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/04/2020 |    | 40.0000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/09/2021 |    | 38.9000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/07/2021 |    | 75.3000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/28/2022 |    | 46.2000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/14/2022 |    | 39.2000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/20/2023 |    | 42.8000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/12/2023 |    | 35.9000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/12/2024 |    | 38.9000 |          |
| Beryllium, total | ug/L  | MW02-15A | 09/18/2014 | ND | 4.0000  |          |
| Beryllium, total | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |
| Beryllium, total | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |
| Beryllium, total | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |
| Beryllium, total | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  |          |
| Beryllium, total | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  |          |
| Beryllium, total | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  |          |
| Beryllium, total | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  |          |

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



Table 1

Upgradient Data

| Constituent      | Units | Well     | Date       |    | Result | Adjusted |   |
|------------------|-------|----------|------------|----|--------|----------|---|
| Beryllium, total | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/09/2021 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/18/2014 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 11/13/2014 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/17/2015 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 06/29/2015 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/11/2015 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/16/2016 |    | 3.6000 |          | * |
| Cadmium, total   | ug/L  | MW02-15A | 09/08/2016 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/17/2017 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/19/2017 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/08/2018 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/24/2018 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/25/2019 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/03/2019 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/23/2020 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/04/2020 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/09/2021 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/07/2021 |    | 0.9000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/28/2022 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/14/2022 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/20/2023 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/12/2023 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/12/2024 | ND | 0.8000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/18/2014 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 11/13/2014 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/17/2015 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 06/29/2015 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/11/2015 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/16/2016 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/08/2016 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/17/2017 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/19/2017 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/08/2018 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/24/2018 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/25/2019 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/03/2019 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/23/2020 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/04/2020 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/09/2021 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/07/2021 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/28/2022 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/14/2022 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/20/2023 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/12/2023 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/12/2024 | ND | 8.0000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 09/18/2014 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 11/13/2014 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 03/17/2015 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 06/29/2015 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 09/11/2015 |    | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 03/16/2016 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 09/08/2016 |    | 1.4000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 03/17/2017 |    | 1.5000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 09/19/2017 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 03/08/2018 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 09/24/2018 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 03/25/2019 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 09/03/2019 |    | 0.9000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 03/23/2020 |    | 1.6000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 09/04/2020 |    | 2.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 03/09/2021 |    | 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 |   |
|-----------------|-------|----------|------------|----|---------|----------|---|
| Cobalt, total   | ug/L  | MW02-15A | 09/07/2021 |    | 5.7000  |          |   |
| Cobalt, total   | ug/L  | MW02-15A | 03/28/2022 |    | 3.2000  |          |   |
| Cobalt, total   | ug/L  | MW02-15A | 09/14/2022 |    | 6.2000  |          |   |
| Cobalt, total   | ug/L  | MW02-15A | 03/20/2023 |    | 3.6000  |          |   |
| Cobalt, total   | ug/L  | MW02-15A | 09/12/2023 |    | 1.1000  |          |   |
| Cobalt, total   | ug/L  | MW02-15A | 03/12/2024 |    | 1.2000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 09/18/2014 |    | 7.8000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 03/09/2021 |    | 26.0000 |          | * |
| Copper, total   | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 09/18/2014 |    | 22.3000 |          | * |
| Lead, total     | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 03/09/2021 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000  |          |   |
| Lead, total     | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 09/18/2014 |    | 10.4000 |          |   |
| Nickel, total   | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 06/29/2015 |    | 5.6000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 09/11/2015 |    | 8.3000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 03/16/2016 |    | 10.3000 |          |   |
| Nickel, total   | ug/L  | MW02-15A | 09/08/2016 |    | 14.0000 |          |   |
| Nickel, total   | ug/L  | MW02-15A | 03/17/2017 |    | 11.9000 |          |   |
| Nickel, total   | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 09/24/2018 |    | 5.7000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 03/25/2019 |    | 9.9000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 09/03/2019 |    | 9.1000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 03/23/2020 |    | 9.7000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 09/04/2020 |    | 9.9000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 03/09/2021 |    | 9.6000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 09/07/2021 |    | 17.3000 |          |   |
| Nickel, total   | ug/L  | MW02-15A | 03/28/2022 |    | 11.3000 |          |   |
| Nickel, total   | ug/L  | MW02-15A | 09/14/2022 |    | 8.8000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 03/20/2023 |    | 9.8000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 09/12/2023 |    | 8.4000  |          |   |
| Nickel, total   | ug/L  | MW02-15A | 03/12/2024 |    | 6.6000  |          |   |
| Selenium, total | ug/L  | MW02-15A | 09/18/2014 | ND | 4.0000  |          |   |
| Selenium, total | ug/L  | MW02-15A | 11/13/2014 | 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 |    |
|-----------------|-------|----------|------------|----|---------|----------|----|
| Selenium, total | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/09/2021 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/18/2014 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/09/2021 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/18/2014 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 03/25/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/03/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 03/23/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/04/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 03/09/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/07/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 03/28/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/14/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 03/20/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/12/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 03/12/2024 | ND | 2.0000  |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/18/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 11/13/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/17/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 06/29/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/11/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/16/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/08/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/17/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/19/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/08/2018 | 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  | MW02-15A | 09/24/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/25/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/03/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/23/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/04/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/09/2021 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/07/2021 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/28/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/14/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/20/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/12/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/12/2024 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/18/2014 |    | 11.3000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 11/13/2014 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 03/17/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 06/29/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 09/11/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 03/16/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 09/08/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 03/17/2017 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 09/19/2017 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 03/08/2018 |    | 9.3000  |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/24/2018 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 03/25/2019 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 09/03/2019 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 03/23/2020 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/04/2020 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 03/09/2021 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/07/2021 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 03/28/2022 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/14/2022 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 03/20/2023 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/12/2023 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 03/12/2024 | ND | 20.0000 |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/16/2016 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 06/07/2016 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/08/2016 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/17/2017 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/19/2017 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/08/2018 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/24/2018 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/25/2019 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/03/2019 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/23/2020 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/04/2020 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/09/2021 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/07/2021 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/28/2022 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/14/2022 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/20/2023 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/12/2023 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/12/2024 | ND | 2.0000  |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/16/2016 |    | 43.9000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 06/07/2016 |    | 34.2000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 09/08/2016 |    | 37.5000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/17/2017 |    | 30.0000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 09/19/2017 |    | 24.3000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/08/2018 |    | 25.7000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 09/24/2018 |    | 26.2000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/25/2019 |    | 30.9000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 09/03/2019 |    | 32.7000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/23/2020 |    | 29.1000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 09/04/2020 |    | 43.5000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/09/2021 |    | 27.6000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 09/07/2021 |    | 36.6000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/28/2022 |    | 34.4000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 09/14/2022 |    | 50.6000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/20/2023 |    | 50.1000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 09/12/2023 |    | 27.9000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/12/2024 |    | 44.3000 |          |    |
| Barium, total   | ug/L  | MW02-30A | 03/16/2016 |    | 85.6000 |          |    |
| Barium, total   | ug/L  | MW02-30A | 06/07/2016 |    | 71.3000 |          |    |
| Barium, total   | ug/L  | MW02-30A | 09/08/2016 |    | 62.8000 |          |    |
| Barium, total   | ug/L  | MW02-30A | 03/17/2017 |    | 35.6000 |          |    |

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

Table 1

Upgradient Data

| Constituent      | Units | Well     | Date       |    | Result   | Adjusted |
|------------------|-------|----------|------------|----|----------|----------|
| Barium, total    | ug/L  | MW02-30A | 09/19/2017 |    | 77.3000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/08/2018 |    | 79.6000  |          |
| Barium, total    | ug/L  | MW02-30A | 09/24/2018 |    | 96.5000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/25/2019 |    | 131.0000 |          |
| Barium, total    | ug/L  | MW02-30A | 09/03/2019 |    | 91.8000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/23/2020 |    | 102.0000 |          |
| Barium, total    | ug/L  | MW02-30A | 09/04/2020 |    | 93.4000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/09/2021 |    | 81.5000  |          |
| Barium, total    | ug/L  | MW02-30A | 09/07/2021 |    | 88.2000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/28/2022 |    | 93.4000  |          |
| Barium, total    | ug/L  | MW02-30A | 09/14/2022 |    | 159.0000 |          |
| Barium, total    | ug/L  | MW02-30A | 03/20/2023 |    | 207.0000 |          |
| Barium, total    | ug/L  | MW02-30A | 09/12/2023 |    | 71.8000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/12/2024 |    | 120.0000 |          |
| Beryllium, total | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/25/2019 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/23/2020 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/09/2021 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/14/2022 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/20/2023 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/16/2016 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 06/07/2016 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/08/2016 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/17/2017 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/19/2017 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/08/2018 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/24/2018 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/25/2019 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/03/2019 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/23/2020 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/04/2020 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/09/2021 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/07/2021 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/28/2022 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/14/2022 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/20/2023 | ND | 1.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/12/2023 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/12/2024 | ND | 0.8000   |          |
| Chromium, total  | ug/L  | MW02-30A | 03/16/2016 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 06/07/2016 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 09/08/2016 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 03/17/2017 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 09/19/2017 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 03/08/2018 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 09/24/2018 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 03/25/2019 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 09/03/2019 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 03/23/2020 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 09/04/2020 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 03/09/2021 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 09/07/2021 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 03/28/2022 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 09/14/2022 | ND | 9.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 03/20/2023 | ND | 10.6000  |          |
| Chromium, total  | ug/L  | MW02-30A | 09/12/2023 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 03/12/2024 | ND | 8.0000   |          |
| Cobalt, total    | ug/L  | MW02-30A | 03/16/2016 |    | 1.0000   |          |
| Cobalt, total    | ug/L  | MW02-30A | 06/07/2016 |    | 1.2000   |          |
| Cobalt, total    | ug/L  | MW02-30A | 09/08/2016 | ND | 0.8000   |          |
| Cobalt, total    | ug/L  | MW02-30A | 03/17/2017 | ND | 0.8000   |          |
| Cobalt, total    | ug/L  | MW02-30A | 09/19/2017 | ND | 0.8000   |          |
| Cobalt, total    | ug/L  | MW02-30A | 03/08/2018 | ND | 0.8000   |          |

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

Table 1

Upgradient Data

| Constituent     | Units | Well     | Date       |    | Result  | Adjusted |    |
|-----------------|-------|----------|------------|----|---------|----------|----|
| Cobalt, total   | ug/L  | MW02-30A | 09/24/2018 |    | 1.8000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 03/25/2019 |    | 3.2000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/03/2019 |    | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 03/23/2020 |    | 2.3000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/04/2020 |    | 0.4000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 03/09/2021 |    | 1.5000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/07/2021 | ND | 0.4000  | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW02-30A | 03/28/2022 |    | 0.4000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/14/2022 |    | 7.0000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 03/20/2023 |    | 4.5000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/12/2023 | ND | 0.4000  | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW02-30A | 03/12/2024 |    | 0.6000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/24/2018 |    | 4.8000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/25/2019 |    | 13.5000 |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/23/2020 |    | 9.3000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/09/2021 |    | 9.4000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/14/2022 |    | 19.5000 |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/20/2023 |    | 18.3000 |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/25/2019 |    | 8.9000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/23/2020 |    | 7.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/09/2021 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/14/2022 |    | 14.8000 |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/20/2023 |    | 22.3000 |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/25/2019 |    | 9.4000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/23/2020 |    | 7.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/09/2021 |    | 4.3000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/14/2022 |    | 12.4000 |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/20/2023 |    | 12.9000 |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/25/2019 | ND | 4.0000  |          |    |

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

Table 1

Upgradient Data

| Constituent     | Units | Well     | Date       |    | Result  | Adjusted |    |
|-----------------|-------|----------|------------|----|---------|----------|----|
| Selenium, total | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/23/2020 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/09/2021 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/14/2022 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/20/2023 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/25/2019 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/23/2020 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/09/2021 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/14/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/20/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 03/25/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 09/03/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/23/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 09/04/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/09/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 09/07/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/28/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 09/14/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/20/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 09/12/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/12/2024 | ND | 2.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/16/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 06/07/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/08/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/17/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/19/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/08/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/24/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/25/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/03/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/23/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/04/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/09/2021 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/07/2021 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/28/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/14/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/20/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/12/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/12/2024 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/16/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-30A | 06/07/2016 |    | 8.7000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 09/08/2016 |    | 9.9000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/17/2017 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-30A | 09/19/2017 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-30A | 03/08/2018 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-30A | 09/24/2018 |    | 12.9000 |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/25/2019 |    | 59.9000 |          |    |
| Zinc, total     | ug/L  | MW02-30A | 09/03/2019 |    | 16.3000 |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/23/2020 |    | 28.5000 |          |    |

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

Table 1

Upgradient Data

| Constituent      | Units | Well     | Date       |    | Result   | Adjusted |
|------------------|-------|----------|------------|----|----------|----------|
| Zinc, total      | ug/L  | MW02-30A | 09/04/2020 | ND | 20.0000  |          |
| Zinc, total      | ug/L  | MW02-30A | 03/09/2021 | ND | 20.0000  |          |
| Zinc, total      | ug/L  | MW02-30A | 09/07/2021 | ND | 20.0000  |          |
| Zinc, total      | ug/L  | MW02-30A | 03/28/2022 | ND | 20.0000  |          |
| Zinc, total      | ug/L  | MW02-30A | 09/14/2022 |    | 52.8000  |          |
| Zinc, total      | ug/L  | MW02-30A | 03/20/2023 |    | 144.0000 |          |
| Zinc, total      | ug/L  | MW02-30A | 09/12/2023 | ND | 20.0000  |          |
| Zinc, total      | ug/L  | MW02-30A | 03/12/2024 | ND | 20.0000  |          |
| Antimony, total  | ug/L  | MW88-2   | 09/18/2014 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 11/13/2014 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 03/17/2015 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 06/29/2015 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 09/11/2015 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 03/16/2016 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 09/08/2016 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 03/17/2017 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 09/19/2017 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 03/08/2018 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 09/24/2018 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 03/25/2019 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 09/03/2019 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 03/23/2020 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 09/04/2020 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 03/09/2021 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 03/28/2022 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 09/14/2022 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 03/20/2023 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 09/12/2023 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW88-2   | 03/12/2024 | ND | 2.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 09/18/2014 |    | 16.1000  |          |
| Arsenic, total   | ug/L  | MW88-2   | 11/13/2014 |    | 7.4000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 03/17/2015 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 06/29/2015 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 09/11/2015 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 03/16/2016 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 09/08/2016 |    | 6.6000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 03/17/2017 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 09/19/2017 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 03/08/2018 |    | 6.1000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 09/24/2018 |    | 24.3000  |          |
| Arsenic, total   | ug/L  | MW88-2   | 03/25/2019 |    | 11.0000  |          |
| Arsenic, total   | ug/L  | MW88-2   | 09/03/2019 |    | 10.6000  |          |
| Arsenic, total   | ug/L  | MW88-2   | 03/23/2020 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 09/04/2020 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 03/09/2021 |    | 10.4000  |          |
| Arsenic, total   | ug/L  | MW88-2   | 03/28/2022 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 09/14/2022 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 03/20/2023 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 09/12/2023 |    | 5.1000   |          |
| Arsenic, total   | ug/L  | MW88-2   | 03/12/2024 |    | 12.7000  |          |
| Barium, total    | ug/L  | MW88-2   | 09/18/2014 |    | 661.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 11/13/2014 |    | 751.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 03/17/2015 |    | 595.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 06/29/2015 |    | 451.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 09/11/2015 |    | 296.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 03/16/2016 |    | 95.8000  |          |
| Barium, total    | ug/L  | MW88-2   | 09/08/2016 |    | 411.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 03/17/2017 |    | 179.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 09/19/2017 |    | 684.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 03/08/2018 |    | 632.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 09/24/2018 |    | 371.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 03/25/2019 |    | 273.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 09/03/2019 |    | 97.7000  |          |
| Barium, total    | ug/L  | MW88-2   | 03/23/2020 |    | 75.7000  |          |
| Barium, total    | ug/L  | MW88-2   | 09/04/2020 |    | 623.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 03/09/2021 |    | 874.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 03/28/2022 |    | 274.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 09/14/2022 |    | 376.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 03/20/2023 |    | 152.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 09/12/2023 |    | 287.0000 |          |
| Barium, total    | ug/L  | MW88-2   | 03/12/2024 |    | 270.0000 |          |
| Beryllium, total | ug/L  | MW88-2   | 09/18/2014 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2   | 11/13/2014 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2   | 03/17/2015 | 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  | MW88-2 | 06/29/2015 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 03/25/2019 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 09/03/2019 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 03/09/2021 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 09/18/2014 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 11/13/2014 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 03/17/2015 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 06/29/2015 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 09/11/2015 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 03/16/2016 |    | 4.6000 |          | * |
| Cadmium, total   | ug/L  | MW88-2 | 09/08/2016 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 03/17/2017 |    | 1.1000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 09/19/2017 |    | 2.5000 |          | * |
| Cadmium, total   | ug/L  | MW88-2 | 03/08/2018 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 09/24/2018 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 03/25/2019 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 09/03/2019 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 03/23/2020 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 09/04/2020 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 03/09/2021 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 03/28/2022 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 09/14/2022 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 03/20/2023 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 09/12/2023 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW88-2 | 03/12/2024 | ND | 0.8000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 09/18/2014 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 11/13/2014 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 03/17/2015 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 06/29/2015 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 09/11/2015 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 03/16/2016 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 09/08/2016 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 03/17/2017 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 09/19/2017 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 03/08/2018 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 09/24/2018 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 03/25/2019 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 09/03/2019 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 03/23/2020 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 09/04/2020 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 03/09/2021 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 03/28/2022 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 09/14/2022 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 03/20/2023 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 09/12/2023 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW88-2 | 03/12/2024 | ND | 8.0000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 09/18/2014 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 11/13/2014 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 03/17/2015 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 06/29/2015 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 09/11/2015 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 03/16/2016 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 09/08/2016 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 03/17/2017 |    | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 09/19/2017 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 03/08/2018 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 09/24/2018 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 03/25/2019 |    | 1.0000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 09/03/2019 |    | 1.5000 |          |   |
| Cobalt, total    | ug/L  | MW88-2 | 03/23/2020 | 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 |    |
|-----------------|-------|--------|------------|----|---------|----------|----|
| Cobalt, total   | ug/L  | MW88-2 | 09/04/2020 | ND | 0.4000  | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW88-2 | 03/09/2021 | ND | 0.4000  | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW88-2 | 03/28/2022 |    | 0.9000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/14/2022 |    | 2.6000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 03/20/2023 |    | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/12/2023 |    | 0.4000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 03/12/2024 |    | 0.8000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/19/2017 |    | 9.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/25/2019 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/03/2019 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/09/2021 |    | 33.6000 |          | *  |
| Copper, total   | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/25/2019 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/03/2019 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/09/2021 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 03/16/2016 |    | 5.1000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 03/25/2019 |    | 4.6000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 09/03/2019 |    | 8.1000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 03/09/2021 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 06/29/2015 | 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 |    |
|-----------------|-------|--------|------------|----|---------|----------|----|
| Selenium, total | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 03/25/2019 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 09/03/2019 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 03/09/2021 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/25/2019 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/03/2019 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/09/2021 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 03/25/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 09/03/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 03/23/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 09/04/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 03/09/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 03/28/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 09/14/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 03/20/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 09/12/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 03/12/2024 | ND | 2.0000  |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/18/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 11/13/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/17/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 06/29/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/11/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/16/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/08/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/17/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/19/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/08/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/24/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/25/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/03/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/23/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/04/2020 | 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  | MW88-2 | 03/09/2021 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/28/2022 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/14/2022 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/20/2023 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/12/2023 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/12/2024 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 09/18/2014 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 11/13/2014 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/17/2015 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 06/29/2015 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 09/11/2015 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 03/16/2016 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 09/08/2016 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 03/17/2017 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 09/19/2017 |    | 13.1000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/08/2018 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 09/24/2018 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 03/25/2019 |    | 39.1000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 09/03/2019 |    | 23.6000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/23/2020 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 09/04/2020 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/09/2021 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/28/2022 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 09/14/2022 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/20/2023 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 09/12/2023 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/12/2024 | ND | 20.0000  |          |    |
| Antimony, total | ug/L  | MW91-8 | 09/19/2014 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 11/13/2014 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 03/17/2015 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 06/29/2015 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 09/11/2015 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 03/16/2016 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 09/08/2016 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 03/17/2017 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 09/19/2017 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 03/08/2018 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 09/24/2018 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 03/25/2019 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 09/03/2019 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 03/23/2020 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 09/04/2020 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 03/09/2021 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 09/07/2021 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 03/28/2022 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 09/14/2022 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 03/20/2023 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 09/13/2023 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW91-8 | 03/12/2024 | ND | 2.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 09/07/2021 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000   |          |    |
| Barium, total   | ug/L  | MW91-8 | 09/19/2014 |    | 84.7000  |          |    |
| Barium, total   | ug/L  | MW91-8 | 11/13/2014 |    | 106.0000 |          |    |
| Barium, total   | ug/L  | MW91-8 | 03/17/2015 |    | 102.0000 |          |    |

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

Table 1

Upgradient Data

| Constituent      | Units | Well   | Date       |    | Result   | Adjusted |
|------------------|-------|--------|------------|----|----------|----------|
| Barium, total    | ug/L  | MW91-8 | 06/29/2015 |    | 97.8000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/11/2015 |    | 104.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/16/2016 |    | 103.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 09/08/2016 |    | 147.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/17/2017 |    | 93.5000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/19/2017 |    | 108.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/08/2018 |    | 96.0000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/24/2018 |    | 96.9000  |          |
| Barium, total    | ug/L  | MW91-8 | 03/25/2019 |    | 88.4000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/03/2019 |    | 103.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/23/2020 |    | 92.9000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/04/2020 |    | 95.3000  |          |
| Barium, total    | ug/L  | MW91-8 | 03/09/2021 |    | 90.7000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/07/2021 |    | 118.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/28/2022 |    | 101.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 09/14/2022 |    | 125.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/20/2023 |    | 109.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 09/13/2023 |    | 123.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/12/2024 |    | 107.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 09/07/2021 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/19/2014 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 11/13/2014 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/17/2015 |    | 2.3000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 06/29/2015 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/11/2015 |    | 2.4000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/16/2016 |    | 1.4000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/08/2016 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/17/2017 |    | 1.3000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/19/2017 |    | 2.2000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/08/2018 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/24/2018 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/25/2019 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/03/2019 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/23/2020 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/04/2020 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/09/2021 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/07/2021 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/28/2022 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/14/2022 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/20/2023 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/13/2023 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/12/2024 | ND | 0.8000   |          |
| Chromium, total  | ug/L  | MW91-8 | 09/19/2014 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW91-8 | 11/13/2014 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW91-8 | 03/17/2015 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW91-8 | 06/29/2015 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW91-8 | 09/11/2015 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW91-8 | 03/16/2016 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW91-8 | 09/08/2016 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW91-8 | 03/17/2017 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW91-8 | 09/19/2017 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW91-8 | 03/08/2018 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW91-8 | 09/24/2018 | ND | 8.0000   |          |

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

Table 1

Upgradient Data

| Constituent     | Units | Well   | Date       |    | Result | Adjusted |    |
|-----------------|-------|--------|------------|----|--------|----------|----|
| Chromium, total | ug/L  | MW91-8 | 03/25/2019 | ND | 8.0000 |          |    |
| Chromium, total | ug/L  | MW91-8 | 09/03/2019 | ND | 8.0000 |          |    |
| Chromium, total | ug/L  | MW91-8 | 03/23/2020 | ND | 8.0000 |          |    |
| Chromium, total | ug/L  | MW91-8 | 09/04/2020 | ND | 8.0000 |          |    |
| Chromium, total | ug/L  | MW91-8 | 03/09/2021 | ND | 8.0000 |          |    |
| Chromium, total | ug/L  | MW91-8 | 09/07/2021 | ND | 8.0000 |          |    |
| Chromium, total | ug/L  | MW91-8 | 03/28/2022 | ND | 8.0000 |          |    |
| Chromium, total | ug/L  | MW91-8 | 09/14/2022 | ND | 8.0000 |          |    |
| Chromium, total | ug/L  | MW91-8 | 03/20/2023 | ND | 8.0000 |          |    |
| Chromium, total | ug/L  | MW91-8 | 09/13/2023 | ND | 8.0000 |          |    |
| Chromium, total | ug/L  | MW91-8 | 03/12/2024 | ND | 8.0000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 09/19/2014 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 11/13/2014 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 03/17/2015 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 06/29/2015 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 09/11/2015 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 03/16/2016 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 09/08/2016 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 03/17/2017 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 09/19/2017 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 03/08/2018 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 09/24/2018 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 03/25/2019 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 09/03/2019 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 03/23/2020 | ND | 0.8000 |          |    |
| Cobalt, total   | ug/L  | MW91-8 | 09/04/2020 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW91-8 | 03/09/2021 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW91-8 | 09/07/2021 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW91-8 | 03/28/2022 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW91-8 | 09/14/2022 |    | 2.7000 |          | *  |
| Cobalt, total   | ug/L  | MW91-8 | 03/20/2023 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW91-8 | 09/13/2023 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW91-8 | 03/12/2024 | ND | 0.4000 | 0.8000   | ** |
| Copper, total   | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 09/07/2021 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |    |
| Copper, total   | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 09/07/2021 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 09/14/2022 | 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  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |    |
| Lead, total     | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/07/2021 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/19/2014 |    | 5.1000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/07/2021 |    | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/07/2021 |    | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 | 2.0000   | ** |

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

Table 1

Upgradient Data

| Constituent     | Units | Well    | Date       |    | Result  | Adjusted |    |
|-----------------|-------|---------|------------|----|---------|----------|----|
| Thallium, total | ug/L  | MW91-8  | 03/16/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8  | 09/08/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8  | 03/17/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8  | 09/19/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8  | 03/08/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8  | 09/24/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8  | 03/25/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW91-8  | 09/03/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW91-8  | 03/23/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW91-8  | 09/04/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW91-8  | 03/09/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW91-8  | 09/07/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW91-8  | 03/28/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW91-8  | 09/14/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW91-8  | 03/20/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW91-8  | 09/13/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW91-8  | 03/12/2024 | ND | 2.0000  |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/19/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 11/13/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/17/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 06/29/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/11/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/16/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/08/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/17/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/19/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/08/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/24/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/25/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/03/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/23/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/04/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/09/2021 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/07/2021 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/28/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/14/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/20/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/13/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/12/2024 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/19/2014 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 11/13/2014 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 03/17/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 06/29/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 09/11/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 03/16/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 09/08/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 03/17/2017 |    | 8.7000  |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/19/2017 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 03/08/2018 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 09/24/2018 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 03/25/2019 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 09/03/2019 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 03/23/2020 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/04/2020 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 03/09/2021 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/07/2021 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 03/28/2022 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/14/2022 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 03/20/2023 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/13/2023 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 03/12/2024 | ND | 20.0000 |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/18/2014 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 11/13/2014 |    | 2.5000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/17/2015 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 06/29/2015 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/11/2015 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/16/2016 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/08/2016 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/17/2017 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/19/2017 |    | 4.5000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/08/2018 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/24/2018 |    | 2.1000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/25/2019 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/03/2019 | ND | 2.0000  |          |    |

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



Table 1

Upgradient Data

| Constituent      | Units | Well    | Date       |    | Result   | Adjusted |   |
|------------------|-------|---------|------------|----|----------|----------|---|
| Antimony, total  | ug/L  | MW98-28 | 03/23/2020 | ND | 2.0000   |          |   |
| Antimony, total  | ug/L  | MW98-28 | 09/04/2020 | ND | 2.0000   |          |   |
| Antimony, total  | ug/L  | MW98-28 | 03/09/2021 | ND | 2.0000   |          |   |
| Antimony, total  | ug/L  | MW98-28 | 09/07/2021 | ND | 2.0000   |          |   |
| Antimony, total  | ug/L  | MW98-28 | 03/28/2022 |    | 2.3000   |          |   |
| Antimony, total  | ug/L  | MW98-28 | 09/14/2022 | ND | 2.0000   |          |   |
| Antimony, total  | ug/L  | MW98-28 | 03/20/2023 | ND | 2.0000   |          |   |
| Antimony, total  | ug/L  | MW98-28 | 09/12/2023 | ND | 2.0000   |          |   |
| Antimony, total  | ug/L  | MW98-28 | 03/12/2024 | ND | 2.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/18/2014 |    | 18.9000  |          | * |
| Arsenic, total   | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 06/29/2015 |    | 9.5000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/09/2021 |    | 8.2000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/28/2022 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/14/2022 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/12/2024 | ND | 4.0000   |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/18/2014 |    | 536.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 11/13/2014 |    | 105.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/17/2015 |    | 98.0000  |          |   |
| Barium, total    | ug/L  | MW98-28 | 06/29/2015 |    | 305.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/11/2015 |    | 107.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/16/2016 |    | 109.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/08/2016 |    | 144.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/17/2017 |    | 125.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/19/2017 |    | 181.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/08/2018 |    | 172.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/24/2018 |    | 169.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/25/2019 |    | 113.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/03/2019 |    | 143.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/23/2020 |    | 119.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/04/2020 |    | 156.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/09/2021 |    | 341.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/07/2021 |    | 147.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/28/2022 |    | 254.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/14/2022 |    | 236.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/20/2023 |    | 226.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/12/2023 |    | 277.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/12/2024 |    | 246.0000 |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/18/2014 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 06/29/2015 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/09/2021 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/28/2022 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/14/2022 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/12/2024 | 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  | MW98-28 | 03/12/2024 | ND | 4.0000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/18/2014 |    | 11.8000 |          | * |
| Cadmium, total   | ug/L  | MW98-28 | 11/13/2014 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/17/2015 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 06/29/2015 |    | 1.1000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/11/2015 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/16/2016 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/08/2016 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/17/2017 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/19/2017 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/08/2018 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/24/2018 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/25/2019 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/03/2019 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/23/2020 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/04/2020 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/09/2021 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/07/2021 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/28/2022 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/14/2022 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/20/2023 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/12/2023 | ND | 0.8000  |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/12/2024 | ND | 0.8000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 09/18/2014 |    | 43.4000 |          | * |
| Chromium, total  | ug/L  | MW98-28 | 11/13/2014 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 03/17/2015 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 06/29/2015 |    | 24.9000 |          | * |
| Chromium, total  | ug/L  | MW98-28 | 09/11/2015 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 03/16/2016 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 09/08/2016 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 03/17/2017 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 09/19/2017 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 03/08/2018 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 09/24/2018 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 03/25/2019 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 09/03/2019 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 03/23/2020 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 09/04/2020 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 03/09/2021 |    | 18.6000 |          |   |
| Chromium, total  | ug/L  | MW98-28 | 09/07/2021 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 03/28/2022 |    | 12.7000 |          |   |
| Chromium, total  | ug/L  | MW98-28 | 09/14/2022 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 03/20/2023 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 09/12/2023 | ND | 8.0000  |          |   |
| Chromium, total  | ug/L  | MW98-28 | 03/12/2024 | ND | 8.0000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 09/18/2014 |    | 81.5000 |          | * |
| Cobalt, total    | ug/L  | MW98-28 | 11/13/2014 | ND | 0.8000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 03/17/2015 | ND | 0.8000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 06/29/2015 |    | 27.3000 |          | * |
| Cobalt, total    | ug/L  | MW98-28 | 09/11/2015 | ND | 0.8000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 03/16/2016 | ND | 0.8000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 09/08/2016 |    | 1.0000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 03/17/2017 | ND | 0.8000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 09/19/2017 |    | 4.4000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 03/08/2018 | ND | 0.8000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 09/24/2018 |    | 4.8000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 03/25/2019 |    | 0.9000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 09/03/2019 |    | 0.9000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 03/23/2020 |    | 1.6000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 09/04/2020 |    | 0.5000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 03/09/2021 |    | 19.1000 |          | * |
| Cobalt, total    | ug/L  | MW98-28 | 09/07/2021 |    | 0.4000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 03/28/2022 |    | 4.2000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 09/14/2022 |    | 4.4000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 03/20/2023 |    | 1.1000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 09/12/2023 |    | 1.6000  |          |   |
| Cobalt, total    | ug/L  | MW98-28 | 03/12/2024 |    | 0.8000  |          |   |
| Copper, total    | ug/L  | MW98-28 | 09/18/2014 |    | 97.9000 |          | * |
| Copper, total    | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000  |          |   |
| Copper, total    | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000  |          |   |
| Copper, total    | ug/L  | MW98-28 | 06/29/2015 |    | 29.9000 |          | * |
| Copper, total    | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000  |          |   |
| Copper, total    | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000  |          |   |
| Copper, total    | ug/L  | MW98-28 | 09/08/2016 | 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  | MW98-28 | 03/17/2017 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/19/2017 |    | 5.4000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/24/2018 |    | 5.1000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/09/2021 |    | 104.0000 |          | * |
| Copper, total   | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/28/2022 |    | 7.6000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/14/2022 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/12/2024 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/18/2014 |    | 38.1000  |          | * |
| Lead, total     | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 06/29/2015 |    | 15.6000  |          | * |
| Lead, total     | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/09/2021 |    | 11.9000  |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/28/2022 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/14/2022 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/12/2024 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/18/2014 |    | 105.0000 |          | * |
| Nickel, total   | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 06/29/2015 |    | 42.0000  |          | * |
| Nickel, total   | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/17/2017 |    | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/19/2017 |    | 10.2000  |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/24/2018 |    | 7.6000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/23/2020 |    | 6.3000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/09/2021 |    | 33.6000  |          | * |
| Nickel, total   | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/28/2022 |    | 17.4000  |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/14/2022 |    | 4.8000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/20/2023 |    | 6.6000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/12/2023 |    | 8.2000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/12/2024 |    | 5.8000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/18/2014 |    | 9.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 06/29/2015 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |

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

Table 1

Upgradient Data

| Constituent     | Units | Well    | Date       |    | Result   | Adjusted |    |
|-----------------|-------|---------|------------|----|----------|----------|----|
| Selenium, total | ug/L  | MW98-28 | 03/09/2021 | ND | 4.0000   |          |    |
| Selenium, total | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |    |
| Selenium, total | ug/L  | MW98-28 | 03/28/2022 | ND | 4.0000   |          |    |
| Selenium, total | ug/L  | MW98-28 | 09/14/2022 | ND | 4.0000   |          |    |
| Selenium, total | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |    |
| Selenium, total | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |    |
| Selenium, total | ug/L  | MW98-28 | 03/12/2024 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/18/2014 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 06/29/2015 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/09/2021 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/28/2022 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/14/2022 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/12/2024 | ND | 4.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/18/2014 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 06/29/2015 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 03/25/2019 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/03/2019 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 03/23/2020 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/04/2020 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 03/09/2021 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/07/2021 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 03/28/2022 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/14/2022 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 03/20/2023 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/12/2023 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 03/12/2024 | ND | 2.0000   |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/18/2014 |    | 87.6000  |          | *  |
| Vanadium, total | ug/L  | MW98-28 | 11/13/2014 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/17/2015 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 06/29/2015 |    | 40.6000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/11/2015 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/16/2016 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/08/2016 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/17/2017 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/19/2017 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/08/2018 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/24/2018 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/25/2019 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/03/2019 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/23/2020 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/04/2020 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/09/2021 |    | 29.2000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/07/2021 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/28/2022 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/14/2022 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/20/2023 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/12/2023 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/12/2024 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW98-28 | 09/18/2014 |    | 127.0000 |          | *  |

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

Table 1

## Upgradient Data

| Constituent | Units | Well    | Date       |    | Result  | Adjusted |    |
|-------------|-------|---------|------------|----|---------|----------|----|
| Zinc, total | ug/L  | MW98-28 | 11/13/2014 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/17/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 06/29/2015 |    | 59.4000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 09/11/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 03/16/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 09/08/2016 |    | 8.2000  |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/17/2017 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 09/19/2017 |    | 11.1000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/08/2018 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 09/24/2018 |    | 13.2000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/25/2019 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 09/03/2019 |    | 10.6000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/23/2020 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 09/04/2020 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/09/2021 |    | 37.6000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 09/07/2021 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/28/2022 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 09/14/2022 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/20/2023 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 09/12/2023 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/12/2024 | ND | 20.0000 |          |    |

\* - Outlier for that well and constituent.

\*\* - ND value replaced with median RL.

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

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

| Constituent      | Units | Well    | Date       |    | Result   | Pred. Limit |
|------------------|-------|---------|------------|----|----------|-------------|
| Antimony, total  | ug/L  | GU-4    | 03/12/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | GU-4    | 03/12/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | GU-4    | 03/12/2024 |    | 368.0000 | 874.0000    |
| Beryllium, total | ug/L  | GU-4    | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | GU-4    | 03/12/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | GU-4    | 03/12/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | GU-4    | 03/12/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | GU-4    | 03/12/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | GU-4    | 03/12/2024 | ND | 4.0000   | 22.3000     |
| Nickel, total    | ug/L  | GU-4    | 03/12/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | GU-4    | 03/12/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | GU-4    | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | GU-4    | 03/12/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | GU-4    | 03/12/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | GU-4    | 03/12/2024 | ND | 70.7000  | 144.0000    |
| Antimony, total  | ug/L  | MW06-37 | 03/12/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW06-37 | 03/12/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW06-37 | 03/12/2024 |    | 128.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW06-37 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW06-37 | 03/12/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW06-37 | 03/12/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW06-37 | 03/12/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW06-37 | 03/12/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW06-37 | 03/12/2024 | ND | 4.0000   | 22.3000     |
| Nickel, total    | ug/L  | MW06-37 | 03/12/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW06-37 | 03/12/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW06-37 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW06-37 | 03/12/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW06-37 | 03/12/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW06-37 | 03/12/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW06-38 | 03/12/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW06-38 | 03/12/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW06-38 | 03/12/2024 |    | 196.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW06-38 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW06-38 | 03/12/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW06-38 | 03/12/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW06-38 | 03/12/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW06-38 | 03/12/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW06-38 | 03/12/2024 | ND | 4.0000   | 22.3000     |
| Nickel, total    | ug/L  | MW06-38 | 03/12/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW06-38 | 03/12/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW06-38 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW06-38 | 03/12/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW06-38 | 03/12/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW06-38 | 03/12/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW06-39 | 03/12/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW06-39 | 03/12/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW06-39 | 03/12/2024 |    | 174.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW06-39 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW06-39 | 03/12/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW06-39 | 03/12/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW06-39 | 03/12/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW06-39 | 03/12/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW06-39 | 03/12/2024 | ND | 4.0000   | 22.3000     |
| Nickel, total    | ug/L  | MW06-39 | 03/12/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW06-39 | 03/12/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW06-39 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW06-39 | 03/12/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW06-39 | 03/12/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW06-39 | 03/12/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW09-40 | 03/12/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW09-40 | 03/12/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW09-40 | 03/12/2024 |    | 21.3000  | 874.0000    |
| Beryllium, total | ug/L  | MW09-40 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW09-40 | 03/12/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW09-40 | 03/12/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW09-40 | 03/12/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW09-40 | 03/12/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW09-40 | 03/12/2024 | ND | 4.0000   | 22.3000     |
| Nickel, total    | ug/L  | MW09-40 | 03/12/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW09-40 | 03/12/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW09-40 | 03/12/2024 | ND | 4.0000   | 4.0000      |

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

Table 2

Most Current Downgradient Monitoring Data

| Constituent      | Units | Well    | Date       |    | Result   | Pred. Limit |
|------------------|-------|---------|------------|----|----------|-------------|
| Thallium, total  | ug/L  | MW09-40 | 03/12/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW09-40 | 03/12/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW09-40 | 03/12/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW21-43 | 03/12/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW21-43 | 03/12/2024 |    | 6.4000   | 50.6000     |
| Barium, total    | ug/L  | MW21-43 | 03/12/2024 |    | 226.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW21-43 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW21-43 | 03/12/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW21-43 | 03/12/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW21-43 | 03/12/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW21-43 | 03/12/2024 |    | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW21-43 | 03/12/2024 | ND | 4.0000   | 22.3000     |
| Nickel, total    | ug/L  | MW21-43 | 03/12/2024 |    | 6.4000   | 17.4000     |
| Selenium, total  | ug/L  | MW21-43 | 03/12/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW21-43 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW21-43 | 03/12/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW21-43 | 03/12/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW21-43 | 03/12/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW88-3  | 03/12/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW88-3  | 03/12/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW88-3  | 03/12/2024 |    | 134.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW88-3  | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW88-3  | 03/12/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW88-3  | 03/12/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW88-3  | 03/12/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW88-3  | 03/12/2024 |    | 18.5000  | 19.5000     |
| Lead, total      | ug/L  | MW88-3  | 03/12/2024 | ND | 4.0000   | 22.3000     |
| Nickel, total    | ug/L  | MW88-3  | 03/12/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW88-3  | 03/12/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW88-3  | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW88-3  | 03/12/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW88-3  | 03/12/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW88-3  | 03/12/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW91-10 | 03/12/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW91-10 | 03/12/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW91-10 | 03/12/2024 |    | 40.7000  | 874.0000    |
| Beryllium, total | ug/L  | MW91-10 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW91-10 | 03/12/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW91-10 | 03/12/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW91-10 | 03/12/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW91-10 | 03/12/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW91-10 | 03/12/2024 | ND | 4.0000   | 22.3000     |
| Nickel, total    | ug/L  | MW91-10 | 03/12/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW91-10 | 03/12/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW91-10 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW91-10 | 03/12/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW91-10 | 03/12/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW91-10 | 03/12/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW94-18 | 03/12/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW94-18 | 03/12/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW94-18 | 03/12/2024 |    | 24.4000  | 874.0000    |
| Beryllium, total | ug/L  | MW94-18 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW94-18 | 03/12/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW94-18 | 03/12/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW94-18 | 03/12/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW94-18 | 03/12/2024 |    | 5.7000   | 19.5000     |
| Lead, total      | ug/L  | MW94-18 | 03/12/2024 | ND | 4.0000   | 22.3000     |
| Nickel, total    | ug/L  | MW94-18 | 03/12/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW94-18 | 03/12/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW94-18 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW94-18 | 03/12/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW94-18 | 03/12/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW94-18 | 03/12/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW96-23 | 03/12/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW96-23 | 03/12/2024 |    | 33.0000  | 50.6000     |
| Barium, total    | ug/L  | MW96-23 | 03/12/2024 |    | 644.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW96-23 | 03/12/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW96-23 | 03/12/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW96-23 | 03/12/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW96-23 | 03/12/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW96-23 | 03/12/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW96-23 | 03/12/2024 | ND | 4.0000   | 22.3000     |

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

**Table 2**

**Most Current Downgradient Monitoring Data**

| Constituent      | Units | Well    | Date       |    | Result   |     | Pred. Limit |
|------------------|-------|---------|------------|----|----------|-----|-------------|
| Nickel, total    | ug/L  | MW96-23 | 03/12/2024 | ND | 4.0000   |     | 17.4000     |
| Selenium, total  | ug/L  | MW96-23 | 03/12/2024 | ND | 4.0000   |     | 9.0000      |
| Silver, total    | ug/L  | MW96-23 | 03/12/2024 | ND | 4.0000   |     | 4.0000      |
| Thallium, total  | ug/L  | MW96-23 | 03/12/2024 | ND | 2.0000   |     | 2.0000      |
| Vanadium, total  | ug/L  | MW96-23 | 03/12/2024 | ND | 20.0000  |     | 40.6000     |
| Zinc, total      | ug/L  | MW96-23 | 03/12/2024 | ND | 20.0000  |     | 144.0000    |
| Antimony, total  | ug/L  | MW96-24 | 03/12/2024 | ND | 2.0000   |     | 4.5000      |
| Arsenic, total   | ug/L  | MW96-24 | 03/12/2024 | ND | 4.0000   |     | 50.6000     |
| Barium, total    | ug/L  | MW96-24 | 03/12/2024 |    | 541.0000 |     | 874.0000    |
| Beryllium, total | ug/L  | MW96-24 | 03/12/2024 | ND | 4.0000   |     | 4.0000      |
| Cadmium, total   | ug/L  | MW96-24 | 03/12/2024 | ND | 0.8000   |     | 2.4000      |
| Chromium, total  | ug/L  | MW96-24 | 03/12/2024 | ND | 8.0000   |     | 18.6000     |
| Cobalt, total    | ug/L  | MW96-24 | 03/12/2024 | ND | 0.4000   |     | 7.0000      |
| Copper, total    | ug/L  | MW96-24 | 03/12/2024 | ND | 4.0000   |     | 19.5000     |
| Lead, total      | ug/L  | MW96-24 | 03/12/2024 | ND | 4.0000   |     | 22.3000     |
| Nickel, total    | ug/L  | MW96-24 | 03/12/2024 | ND | 4.0000   |     | 17.4000     |
| Selenium, total  | ug/L  | MW96-24 | 03/12/2024 | ND | 4.0000   |     | 9.0000      |
| Silver, total    | ug/L  | MW96-24 | 03/12/2024 | ND | 4.0000   |     | 4.0000      |
| Thallium, total  | ug/L  | MW96-24 | 03/12/2024 | ND | 2.0000   |     | 2.0000      |
| Vanadium, total  | ug/L  | MW96-24 | 03/12/2024 | ND | 20.0000  |     | 40.6000     |
| Zinc, total      | ug/L  | MW96-24 | 03/12/2024 | ND | 20.0000  |     | 144.0000    |
| Antimony, total  | ug/L  | MW98-25 | 03/12/2024 | ND | 2.0000   |     | 4.5000      |
| Arsenic, total   | ug/L  | MW98-25 | 03/12/2024 |    | 16.7000  |     | 50.6000     |
| Barium, total    | ug/L  | MW98-25 | 03/12/2024 |    | 110.0000 |     | 874.0000    |
| Beryllium, total | ug/L  | MW98-25 | 03/12/2024 | ND | 4.0000   |     | 4.0000      |
| Cadmium, total   | ug/L  | MW98-25 | 03/12/2024 | ND | 0.8000   |     | 2.4000      |
| Chromium, total  | ug/L  | MW98-25 | 03/12/2024 | ND | 8.0000   |     | 18.6000     |
| Cobalt, total    | ug/L  | MW98-25 | 03/12/2024 |    | 10.7000  | *** | 7.0000      |
| Copper, total    | ug/L  | MW98-25 | 03/12/2024 | ND | 4.0000   |     | 19.5000     |
| Lead, total      | ug/L  | MW98-25 | 03/12/2024 | ND | 4.0000   |     | 22.3000     |
| Nickel, total    | ug/L  | MW98-25 | 03/12/2024 |    | 23.6000  | *** | 17.4000     |
| Selenium, total  | ug/L  | MW98-25 | 03/12/2024 | ND | 4.0000   |     | 9.0000      |
| Silver, total    | ug/L  | MW98-25 | 03/12/2024 | ND | 4.0000   |     | 4.0000      |
| Thallium, total  | ug/L  | MW98-25 | 03/12/2024 | ND | 2.0000   |     | 2.0000      |
| Vanadium, total  | ug/L  | MW98-25 | 03/12/2024 | ND | 20.0000  |     | 40.6000     |
| Zinc, total      | ug/L  | MW98-25 | 03/12/2024 | ND | 20.0000  |     | 144.0000    |

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



Table 3

## Detection Frequencies in Upgradient and Downgradient Wells

| Constituent      | Upgradient |     |            | Downgradient |     |            |
|------------------|------------|-----|------------|--------------|-----|------------|
|                  | Detect     | N   | Proportion | Detect       | N   | Proportion |
| Antimony, total  | 4          | 105 | 0.038      | 4            | 368 | 0.011      |
| Arsenic, total   | 30         | 104 | 0.288      | 101          | 371 | 0.272      |
| Barium, total    | 105        | 105 | 1.000      | 368          | 369 | 0.997      |
| Beryllium, total | 0          | 105 | 0.000      | 0            | 370 | 0.000      |
| Cadmium, total   | 10         | 101 | 0.099      | 49           | 371 | 0.132      |
| Chromium, total  | 4          | 103 | 0.039      | 12           | 368 | 0.033      |
| Cobalt, total    | 46         | 101 | 0.455      | 85           | 371 | 0.229      |
| Copper, total    | 11         | 100 | 0.110      | 72           | 370 | 0.195      |
| Lead, total      | 5          | 102 | 0.049      | 32           | 371 | 0.086      |
| Nickel, total    | 35         | 102 | 0.343      | 161          | 371 | 0.434      |
| Selenium, total  | 3          | 105 | 0.029      | 16           | 370 | 0.043      |
| Silver, total    | 0          | 105 | 0.000      | 0            | 368 | 0.000      |
| Thallium, total  | 0          | 105 | 0.000      | 1            | 368 | 0.003      |
| Vanadium, total  | 2          | 104 | 0.019      | 25           | 370 | 0.068      |
| Zinc, total      | 20         | 104 | 0.192      | 114          | 371 | 0.307      |

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  | 4      | 105 | 0.038       | 1.635 | 1.142 |        |        |       |       | 2.326      | normal    | nonpar     |
| Arsenic, total   | 30     | 104 | 0.288       | 1.786 | 0.293 |        |        |       |       | 2.326      | normal    | nonpar     |
| Barium, total    | 105    | 105 | 1.000       | 5.645 | 2.804 |        |        |       |       | 2.326      | non-norm  | nonpar     |
| Beryllium, total | 0      | 105 | 0.000       |       |       |        |        |       |       |            |           | nonpar     |
| Cadmium, total   | 10     | 101 | 0.099       | 1.279 | 1.388 |        |        |       |       | 2.326      | normal    | nonpar     |
| Chromium, total  | 4      | 103 | 0.039       |       |       |        |        |       |       |            |           | nonpar     |
| Cobalt, total    | 46     | 101 | 0.455       | 4.579 | 0.685 |        |        |       |       | 2.326      | lognor    | nonpar     |
| Copper, total    | 11     | 100 | 0.110       | 0.347 | 0.419 |        |        |       |       | 2.326      | normal    | nonpar     |
| Lead, total      | 5      | 102 | 0.049       | 0.192 | 0.717 |        |        |       |       | 2.326      | normal    | nonpar     |
| Nickel, total    | 35     | 102 | 0.343       | 1.761 | 0.229 |        |        |       |       | 2.326      | normal    | nonpar     |
| Selenium, total  | 3      | 105 | 0.029       |       |       |        |        |       |       |            |           | nonpar     |
| Silver, total    | 0      | 105 | 0.000       |       |       |        |        |       |       |            |           | nonpar     |
| Thallium, total  | 0      | 105 | 0.000       |       |       |        |        |       |       |            |           | nonpar     |
| Vanadium, total  | 2      | 104 | 0.019       |       |       |        |        |       |       |            |           | nonpar     |
| Zinc, total      | 20     | 104 | 0.192       | 1.923 | 0.131 |        |        |       |       | 2.326      | normal    | nonpar     |

\* - Distribution override for that constituent.

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

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

Table 5

## Summary Statistics and Prediction Limits

| Constituent      | Units | Detect | N   | Mean | SD | alpha | Factor | Pred Limit | Type   | Conf     |
|------------------|-------|--------|-----|------|----|-------|--------|------------|--------|----------|
| Antimony, total  | ug/L  | 4      | 105 |      |    |       |        | 4.5000     | nonpar | 0.99     |
| Arsenic, total   | ug/L  | 30     | 104 |      |    |       |        | 50.6000    | nonpar | 0.99     |
| Barium, total    | ug/L  | 105    | 105 |      |    |       |        | 874.0000   | nonpar | 0.99     |
| Beryllium, total | ug/L  | 0      | 105 |      |    |       |        | 4.0000     | nonpar | *** 0.99 |
| Cadmium, total   | ug/L  | 10     | 101 |      |    |       |        | 2.4000     | nonpar | 0.99     |
| Chromium, total  | ug/L  | 4      | 103 |      |    |       |        | 18.6000    | nonpar | 0.99     |
| Cobalt, total    | ug/L  | 46     | 101 |      |    |       |        | 7.0000     | nonpar | 0.99     |
| Copper, total    | ug/L  | 11     | 100 |      |    |       |        | 19.5000    | nonpar | 0.99     |
| Lead, total      | ug/L  | 5      | 102 |      |    |       |        | 22.3000    | nonpar | 0.99     |
| Nickel, total    | ug/L  | 35     | 102 |      |    |       |        | 17.4000    | nonpar | 0.99     |
| Selenium, total  | ug/L  | 3      | 105 |      |    |       |        | 9.0000     | nonpar | 0.99     |
| Silver, total    | ug/L  | 0      | 105 |      |    |       |        | 4.0000     | nonpar | *** 0.99 |
| Thallium, total  | ug/L  | 0      | 105 |      |    |       |        | 2.0000     | nonpar | *** 0.99 |
| Vanadium, total  | ug/L  | 2      | 104 |      |    |       |        | 40.6000    | nonpar | 0.99     |
| Zinc, total      | ug/L  | 20     | 104 |      |    |       |        | 144.0000   | nonpar | 0.99     |

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

\* - Insufficient Data.

\*\* - Calculated limit raised to Manual Reporting Limit.

\*\*\* - Nonparametric limit based on ND value.

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

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

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

Table 6

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

| Constituent     | Units | Well     | Date       | Result  | ND Qualifier | Date Range            | N  | Critical Value |
|-----------------|-------|----------|------------|---------|--------------|-----------------------|----|----------------|
| Cadmium, total  | ug/L  | MW02-15A | 03/16/2016 | 3.6000  |              | 09/18/2014-03/12/2024 | 22 | 0.5162         |
| Copper, total   | ug/L  | MW02-15A | 03/09/2021 | 26.0000 |              | 09/18/2014-03/12/2024 | 22 | 0.5162         |
| Cadmium, total  | ug/L  | MW88-2   | 03/16/2016 | 4.6000  |              | 09/18/2014-03/12/2024 | 21 | 0.5381         |
| Cadmium, total  | ug/L  | MW88-2   | 09/19/2017 | 2.5000  |              | 09/18/2014-03/12/2024 | 21 | 0.5381         |
| Cobalt, total   | ug/L  | MW91-8   | 09/14/2022 | 2.7000  |              | 09/19/2014-03/12/2024 | 22 | 0.5162         |
| Arsenic, total  | ug/L  | MW98-28  | 09/18/2014 | 18.9000 |              | 09/18/2014-03/12/2024 | 22 | 0.5162         |
| Chromium, total | ug/L  | MW98-28  | 09/18/2014 | 43.4000 |              | 09/18/2014-03/12/2024 | 22 | 0.5263         |
| Chromium, total | ug/L  | MW98-28  | 06/29/2015 | 24.9000 |              | 09/18/2014-03/12/2024 | 22 | 0.5263         |
| Copper, total   | ug/L  | MW98-28  | 06/29/2015 | 29.9000 |              | 09/18/2014-03/12/2024 | 20 | 0.5381         |
| Lead, total     | ug/L  | MW98-28  | 06/29/2015 | 15.6000 |              | 09/18/2014-03/12/2024 | 21 | 0.5263         |
| Nickel, total   | ug/L  | MW98-28  | 03/09/2021 | 33.6000 |              | 09/18/2014-03/12/2024 | 20 | 0.5381         |

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

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

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

Table 8

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

| Constituent   | Units | Well    | Date       | Result   |   | Pred. Limit |
|---------------|-------|---------|------------|----------|---|-------------|
| Cobalt, total | ug/L  | MW98-25 | 03/17/2008 | 46.0000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 06/04/2008 | 42.0000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 07/23/2008 | 51.0000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/12/2008 | 24.2000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 12/11/2008 | 29.3000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/04/2009 | 33.9000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/20/2009 | 23.7000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/26/2010 | 33.6000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/24/2010 | 25.4000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/30/2011 | 35.4000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/14/2011 | 30.0000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/07/2012 | 33.1000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/12/2012 | 8.9000   | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/20/2013 | 12.3000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/27/2013 | 10.0000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/13/2014 | 14.5000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/18/2014 | 19.0000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/17/2015 | 5.4000   | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/11/2015 | 13.0000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/16/2016 | 4.7000   | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/08/2016 | 29.1000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/18/2017 | 14.6000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/19/2017 | 6.2000   | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/08/2018 | 10.3000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/24/2018 | 11.6000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/25/2019 | 13.9000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/03/2019 | 8.5000   | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/23/2020 | 22.2000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/04/2020 | 7.6000   | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/09/2021 | 11.7000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/07/2021 | 12.8000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/28/2022 | 10.9000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/14/2022 | 19.4000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/20/2023 | 11.2000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/12/2023 | 15.2000  | * | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/12/2024 | 10.7000  | * | 7.0000      |
| Nickel, total | ug/L  | MW98-25 | 03/17/2008 | 111.0000 | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 06/04/2008 | 86.0000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 07/23/2008 | 110.0000 | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/12/2008 | 81.1000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 12/11/2008 | 60.7000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/04/2009 | 69.6000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/20/2009 | 53.1000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/26/2010 | 84.0000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/24/2010 | 56.5000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/30/2011 | 85.8000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/14/2011 | 70.5000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/07/2012 | 75.7000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/12/2012 | 46.5000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/20/2013 | 41.5000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/27/2013 | 55.2000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/13/2014 | 51.0000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/18/2014 | 48.1000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/17/2015 | 41.6000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/11/2015 | 36.2000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/16/2016 | 37.9000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/08/2016 | 81.7000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/18/2017 | 34.3000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/19/2017 | 17.0000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/08/2018 | 20.1000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/24/2018 | 24.6000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/25/2019 | 21.2000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/03/2019 | 9.0000   | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/23/2020 | 29.9000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/04/2020 | 10.5000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/09/2021 | 16.7000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/07/2021 | 20.4000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/28/2022 | 21.9000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/14/2022 | 24.3000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/20/2023 | 23.4000  | * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/12/2023 | 35.7000  | * | 17.4000     |

\* - 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 |
|---------------|-------|---------|------------|---------|---|-------------|
| Nickel, total | ug/L  | MW98-25 | 03/12/2024 | 23.6000 | * | 17.4000     |

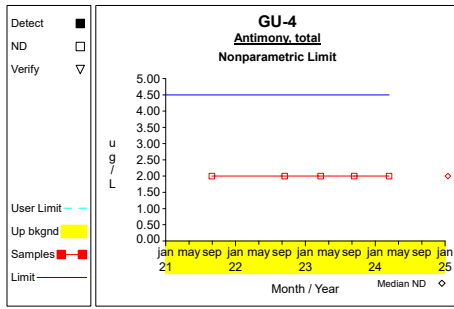
\* - Significantly increased over background.

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

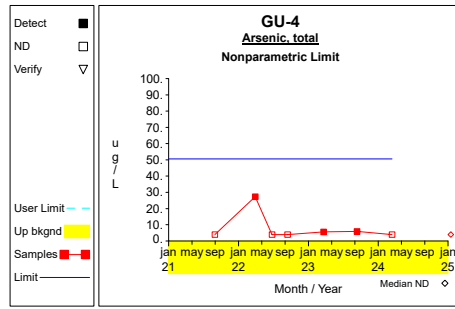
\*\*\* - Manual exclusion.

ND = Not Detected, Result = detection limit.

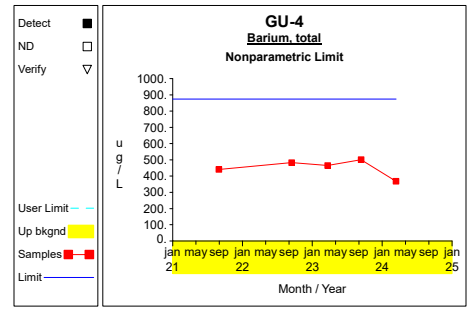
# Up vs. Down Prediction Limits



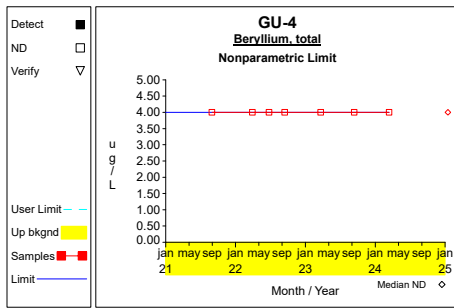
Graph 1



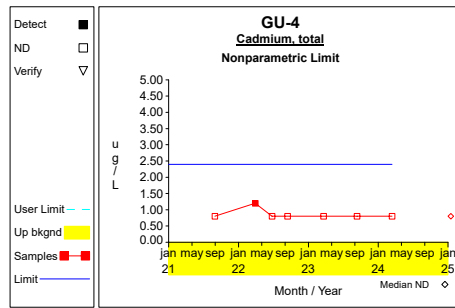
Graph 2



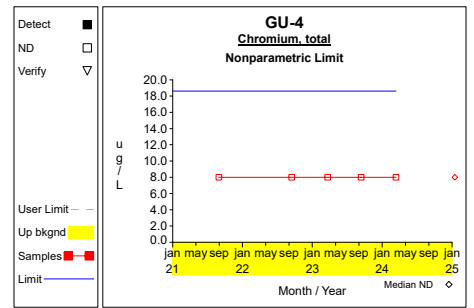
Graph 3



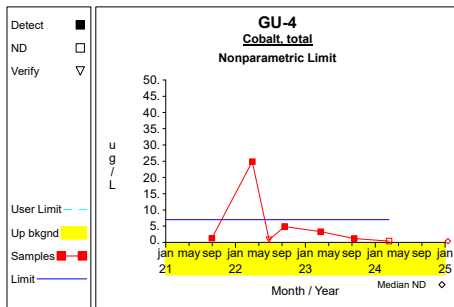
Graph 4



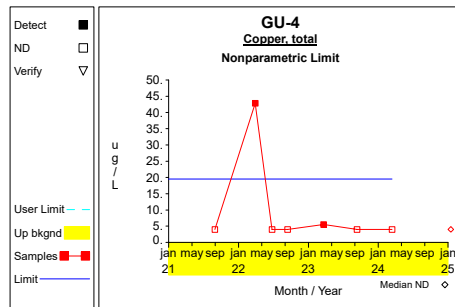
Graph 5



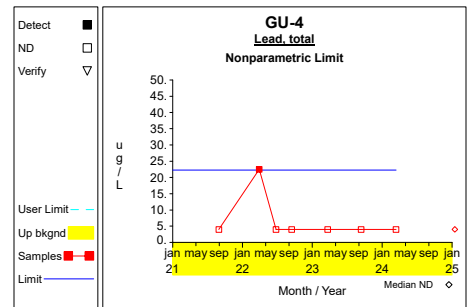
Graph 6



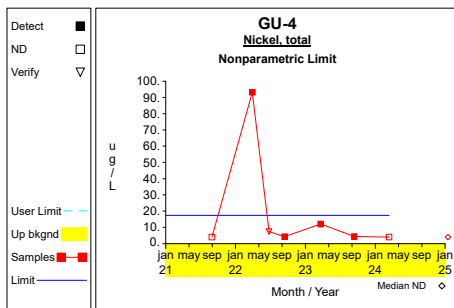
Graph 7



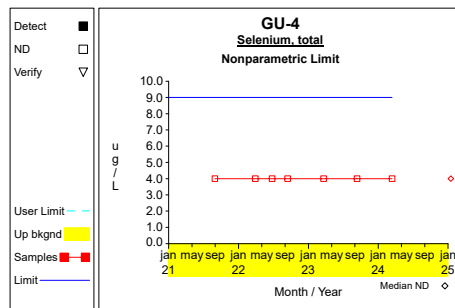
Graph 8



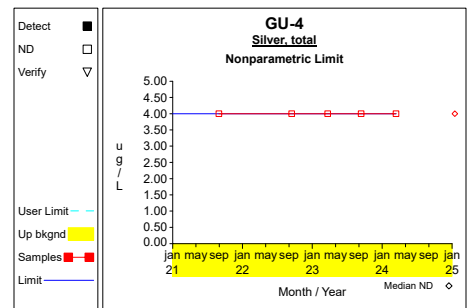
Graph 9



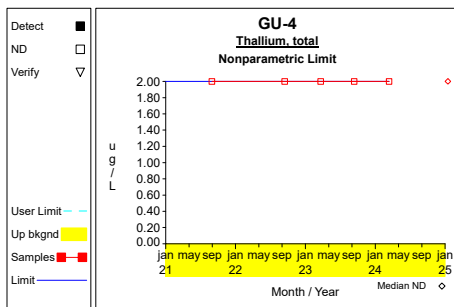
Graph 10



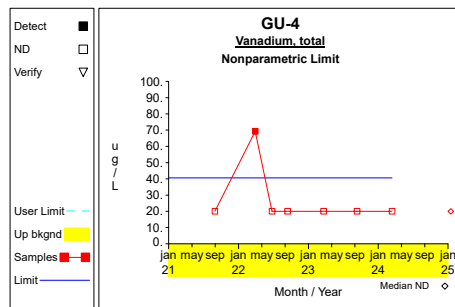
Graph 11



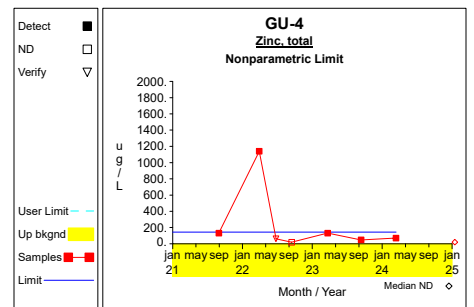
Graph 12



Graph 13

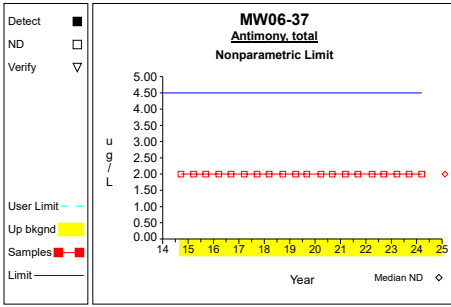


Graph 14

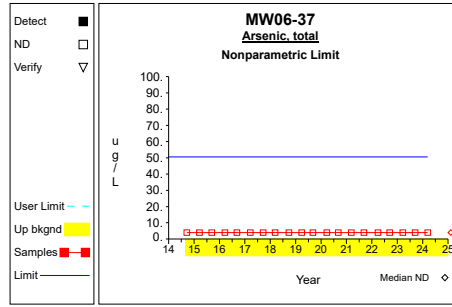


Graph 15

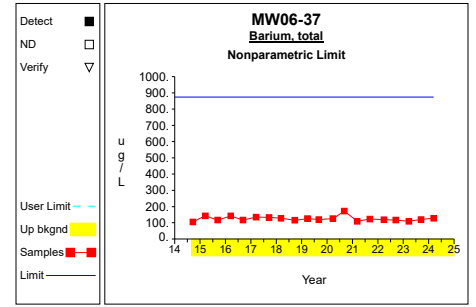
# Up vs. Down Prediction Limits



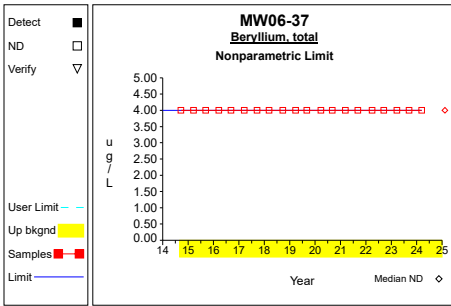
Graph 16



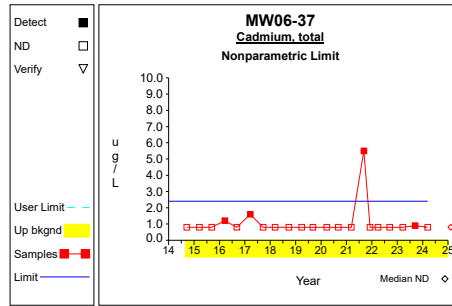
Graph 17



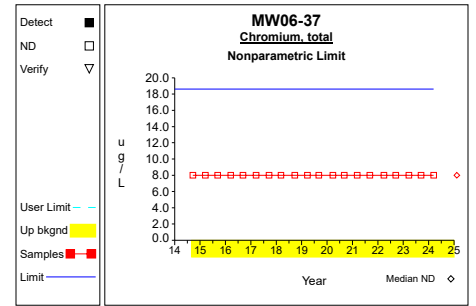
Graph 18



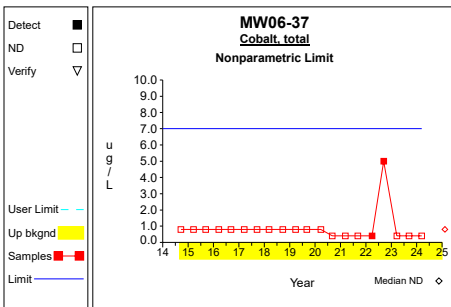
Graph 19



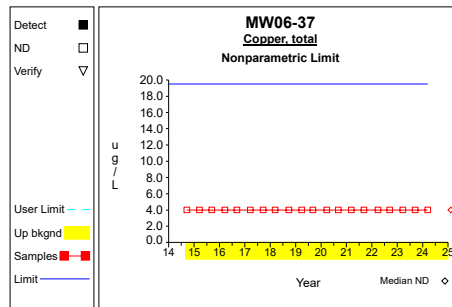
Graph 20



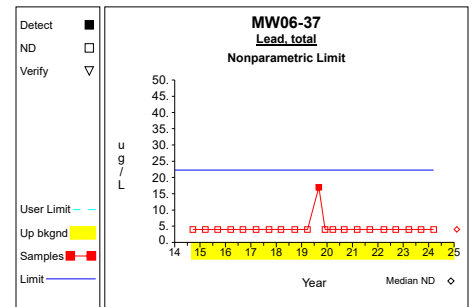
Graph 21



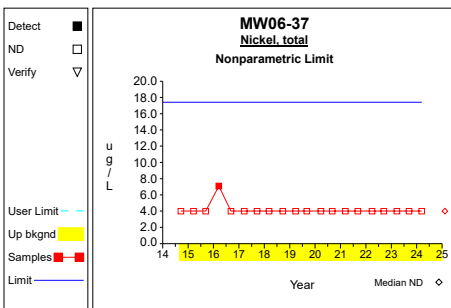
Graph 22



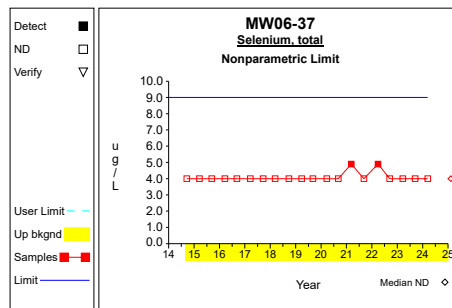
Graph 23



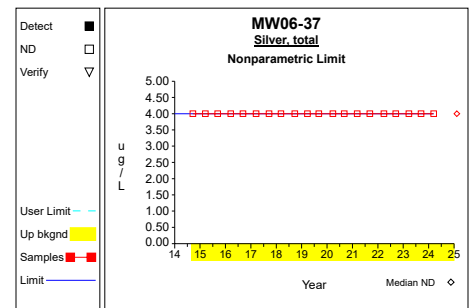
Graph 24



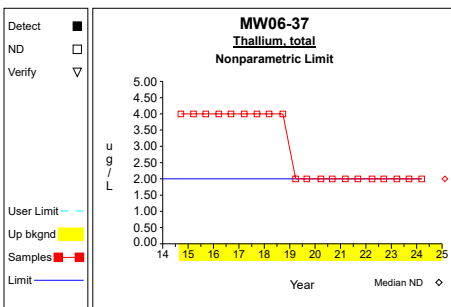
Graph 25



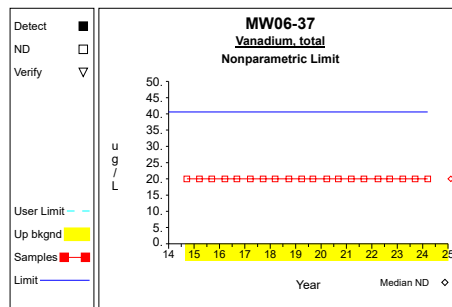
Graph 26



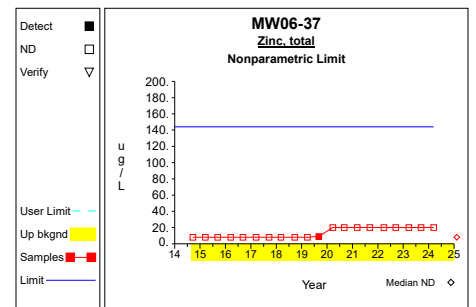
Graph 27



Graph 28



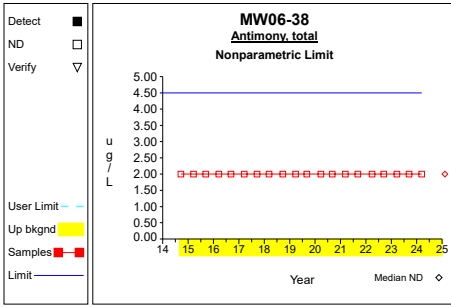
Graph 29



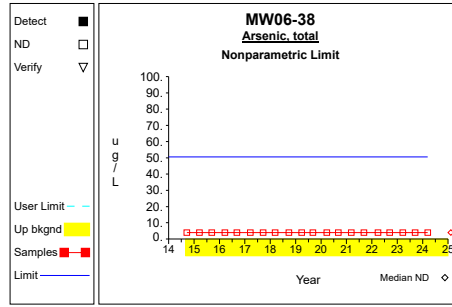
Graph 30



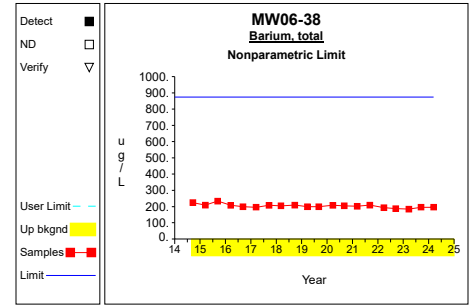
# Up vs. Down Prediction Limits



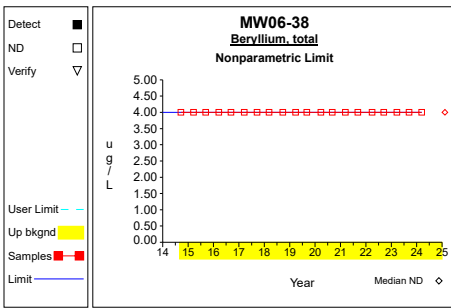
Graph 31



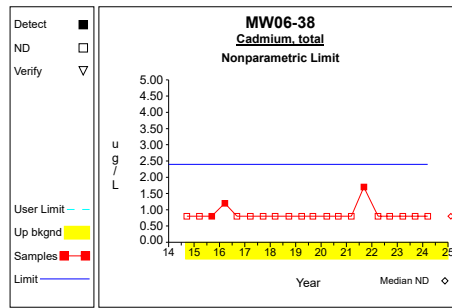
Graph 32



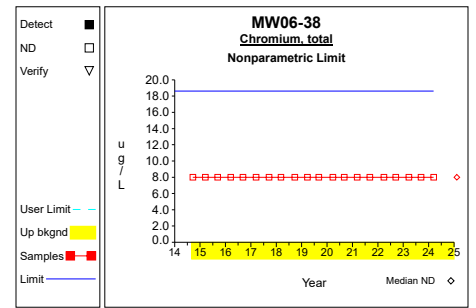
Graph 33



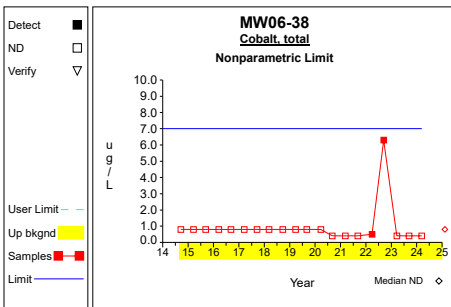
Graph 34



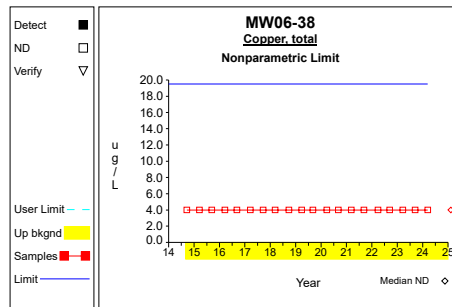
Graph 35



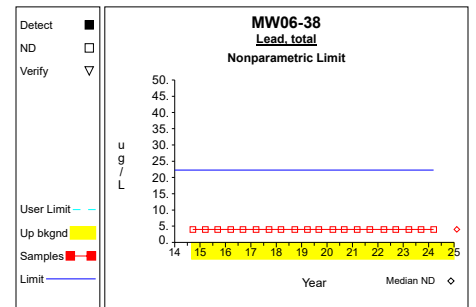
Graph 36



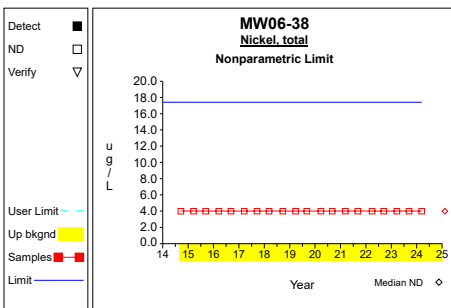
Graph 37



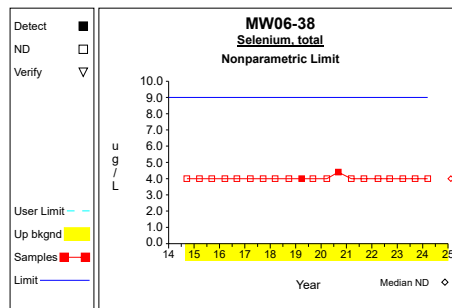
Graph 38



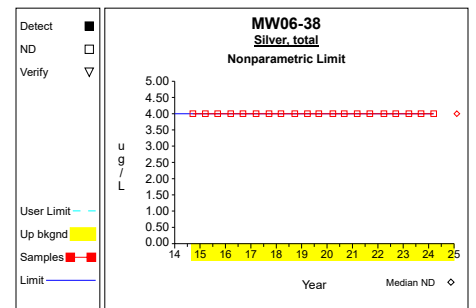
Graph 39



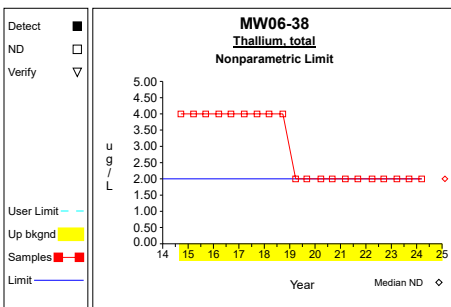
Graph 40



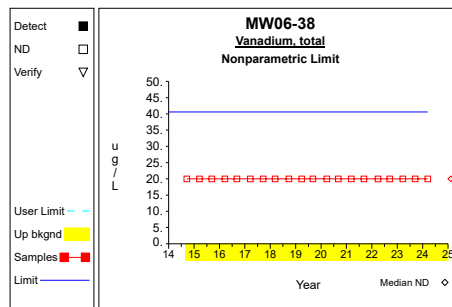
Graph 41



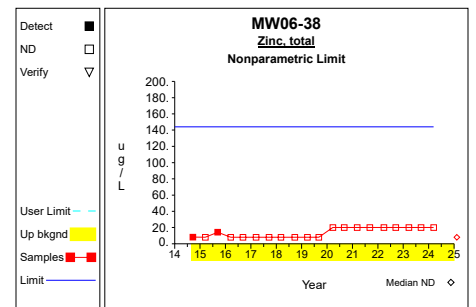
Graph 42



Graph 43

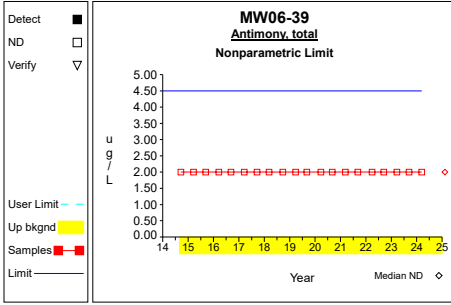


Graph 44

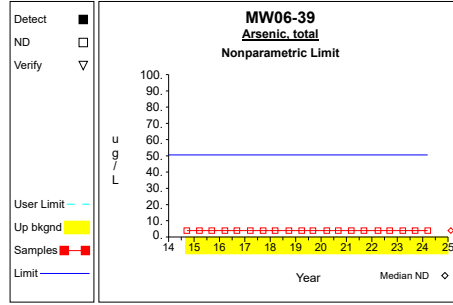


Graph 45

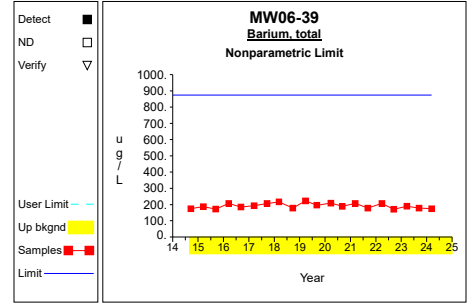
# Up vs. Down Prediction Limits



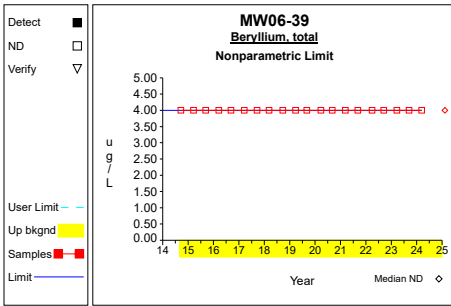
Graph 46



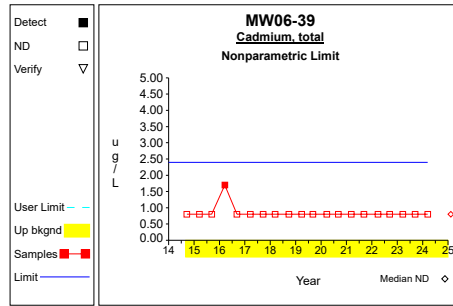
Graph 47



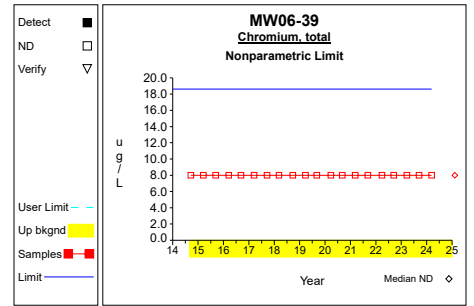
Graph 48



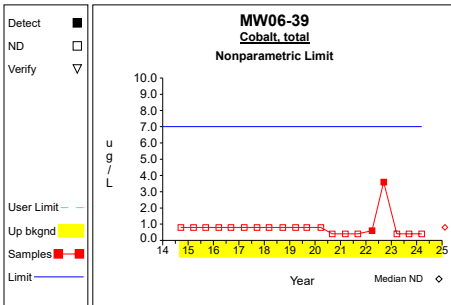
Graph 49



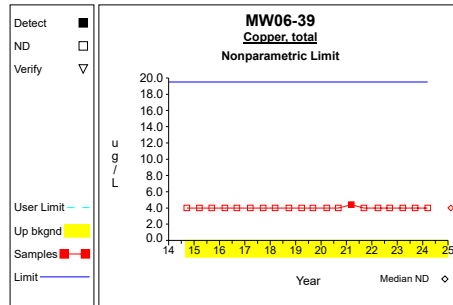
Graph 50



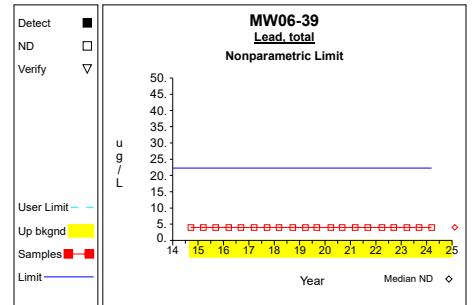
Graph 51



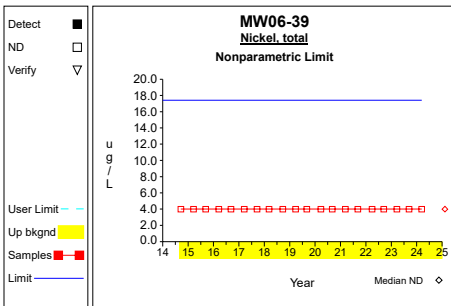
Graph 52



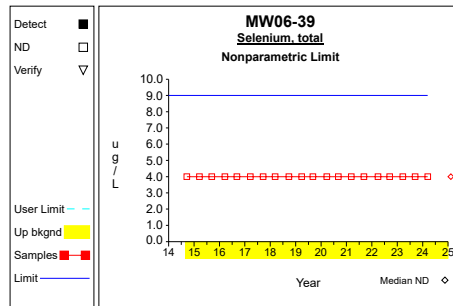
Graph 53



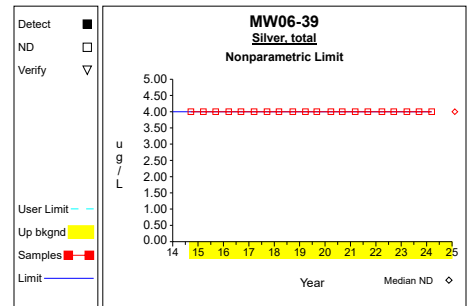
Graph 54



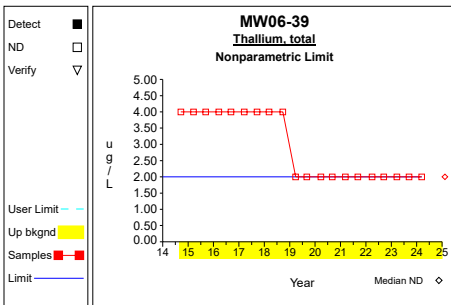
Graph 55



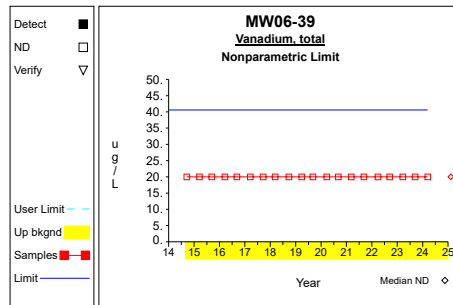
Graph 56



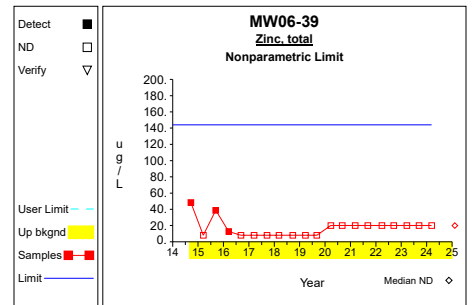
Graph 57



Graph 58

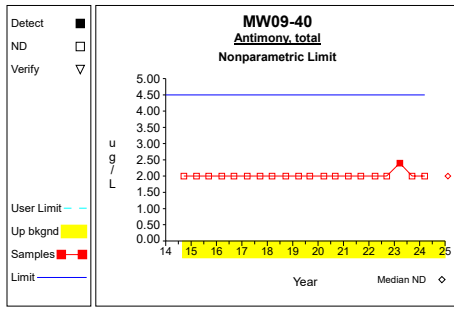


Graph 59

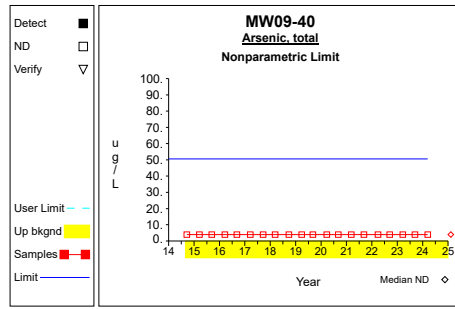


Graph 60

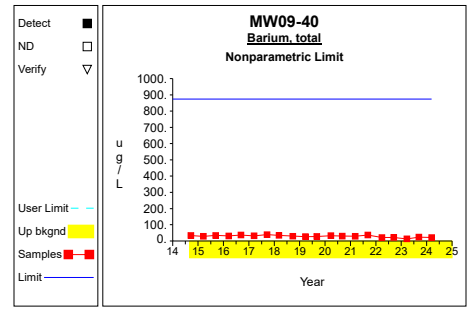
# Up vs. Down Prediction Limits



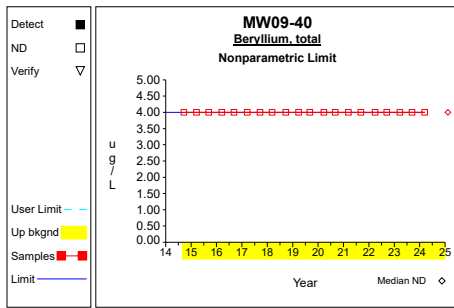
Graph 61



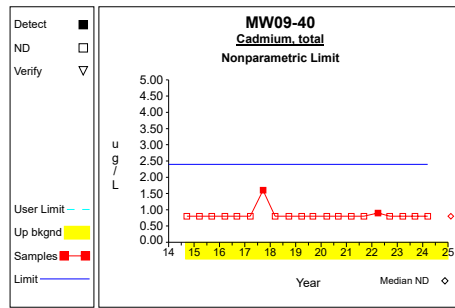
Graph 62



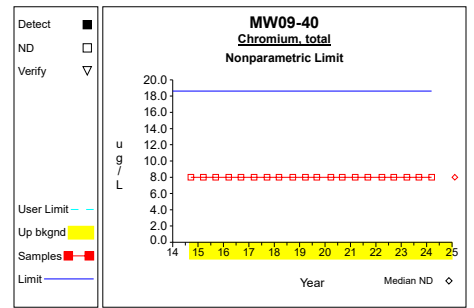
Graph 63



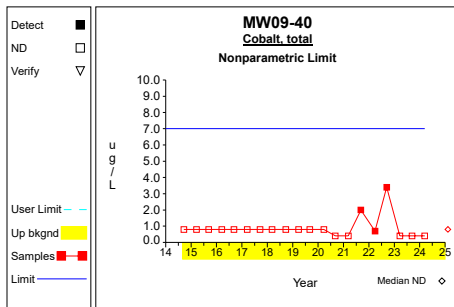
Graph 64



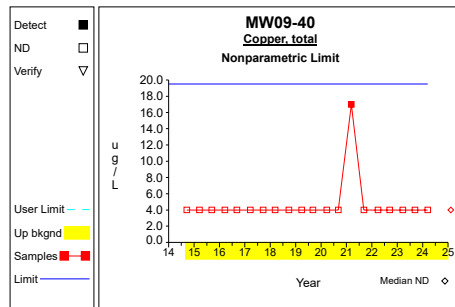
Graph 65



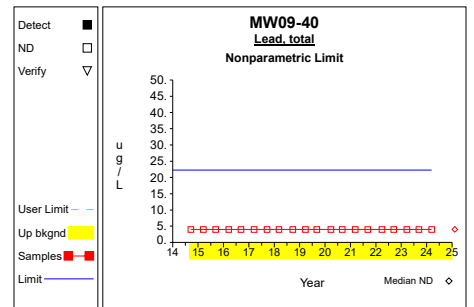
Graph 66



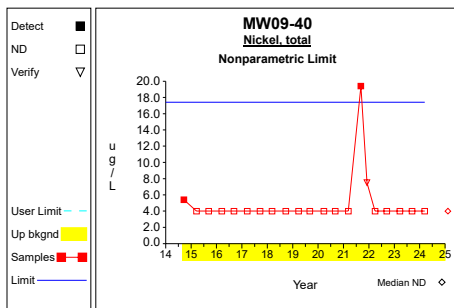
Graph 67



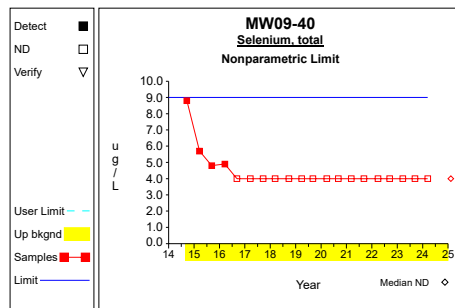
Graph 68



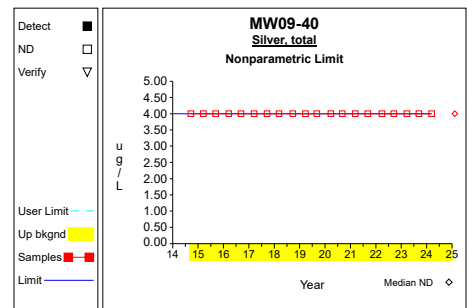
Graph 69



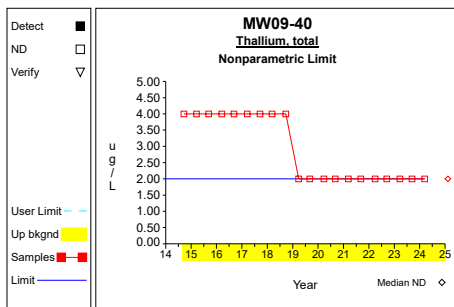
Graph 70



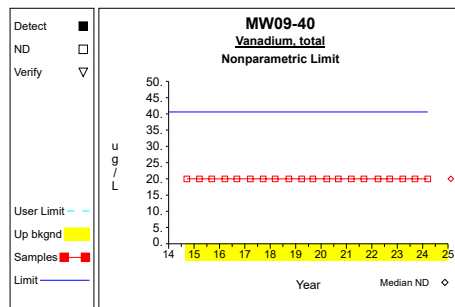
Graph 71



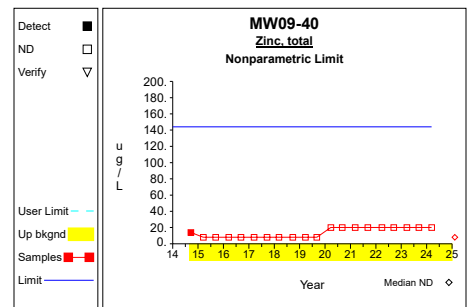
Graph 72



Graph 73

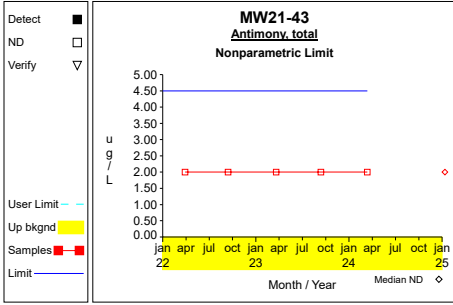


Graph 74

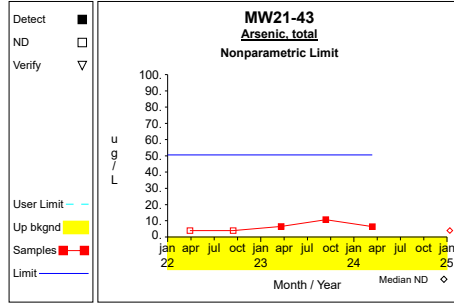


Graph 75

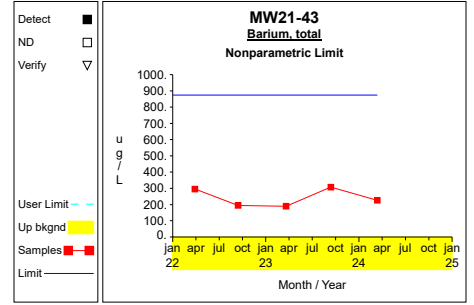
# Up vs. Down Prediction Limits



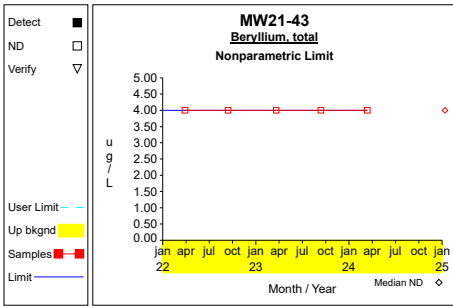
Graph 76



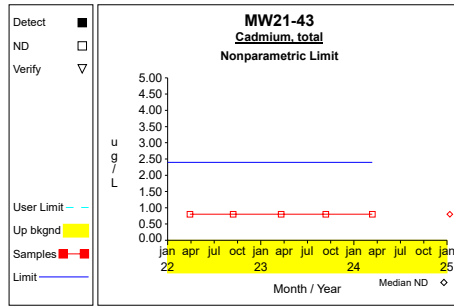
Graph 77



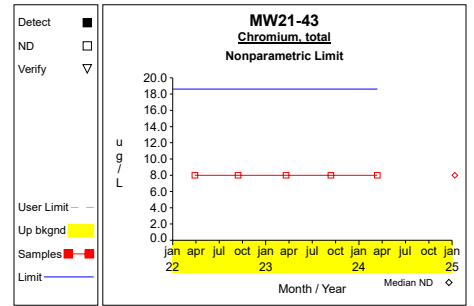
Graph 78



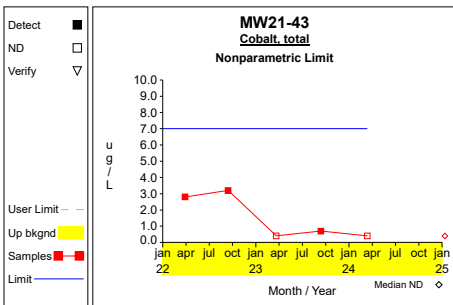
Graph 79



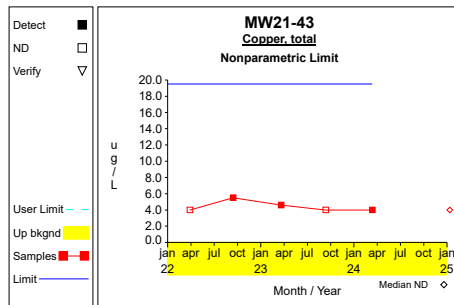
Graph 80



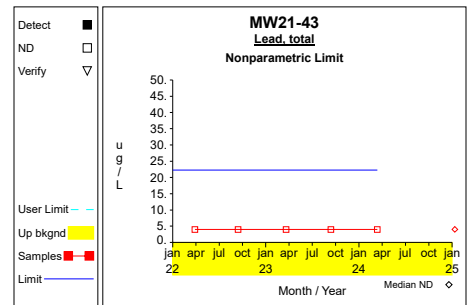
Graph 81



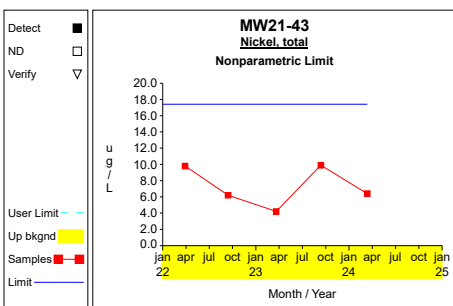
Graph 82



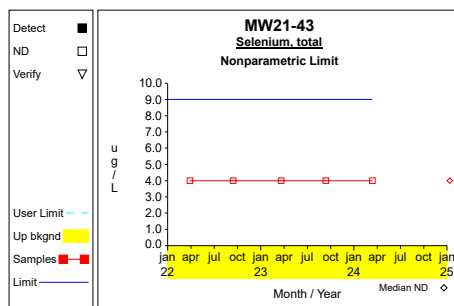
Graph 83



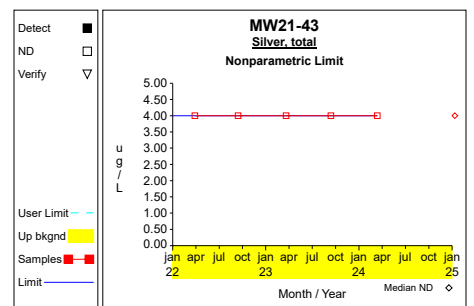
Graph 84



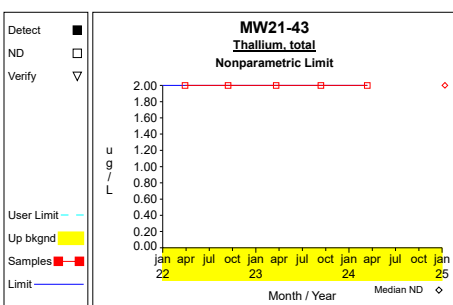
Graph 85



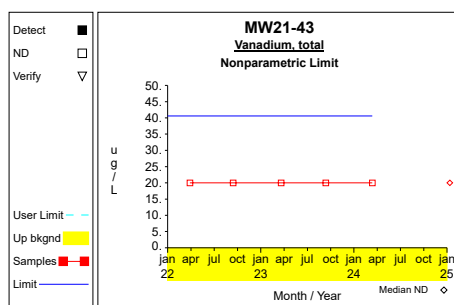
Graph 86



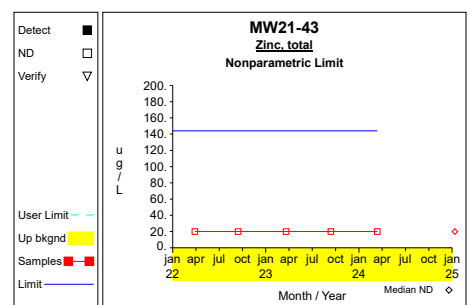
Graph 87



Graph 88

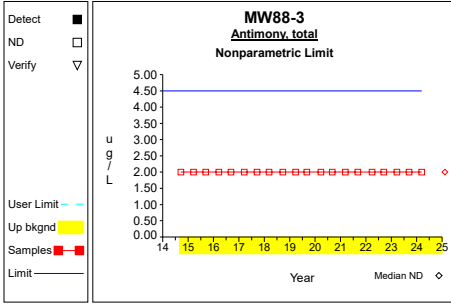


Graph 89

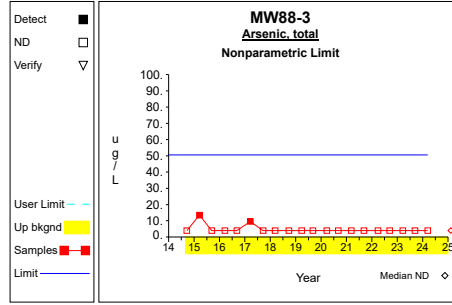


Graph 90

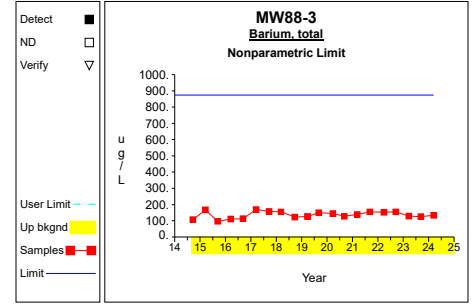
# Up vs. Down Prediction Limits



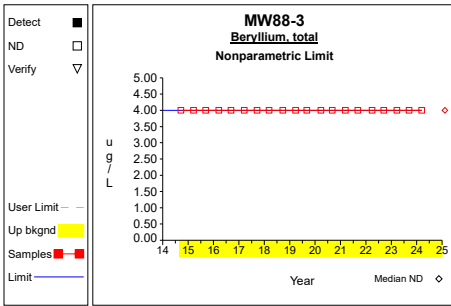
Graph 91



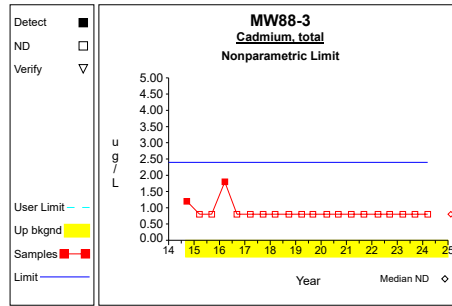
Graph 92



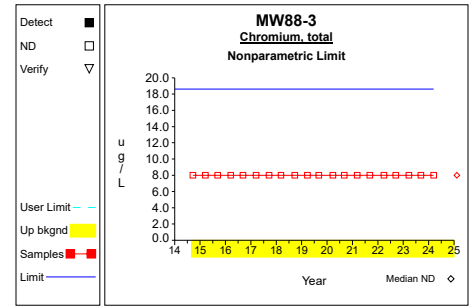
Graph 93



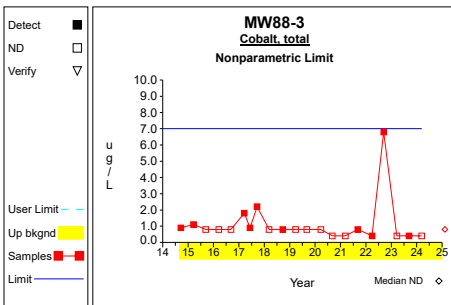
Graph 94



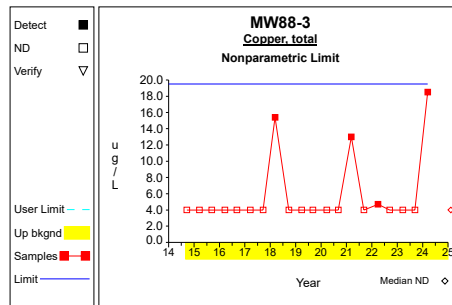
Graph 95



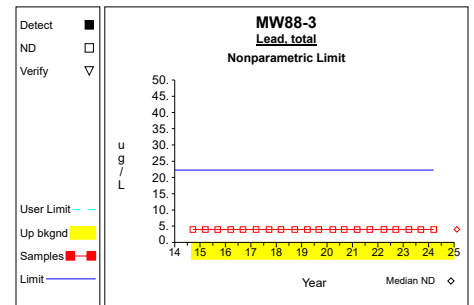
Graph 96



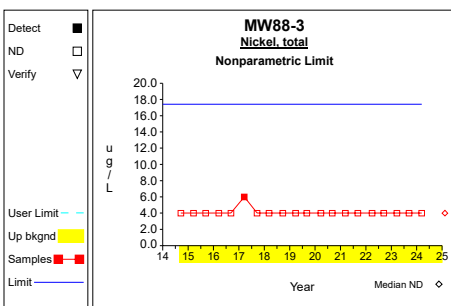
Graph 97



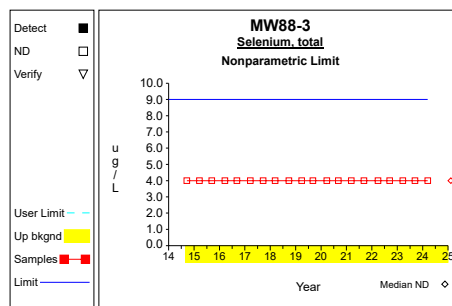
Graph 98



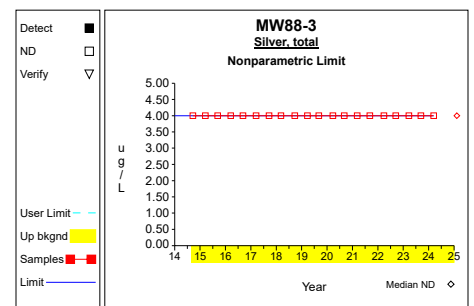
Graph 99



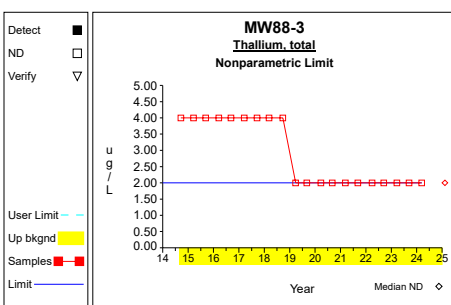
Graph 100



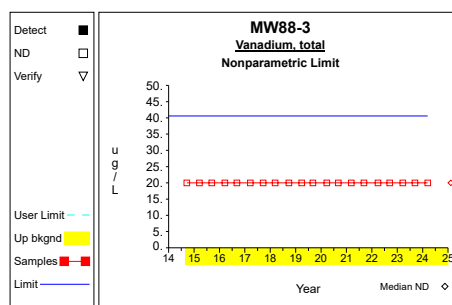
Graph 101



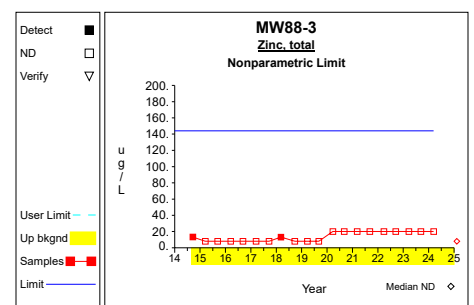
Graph 102



Graph 103

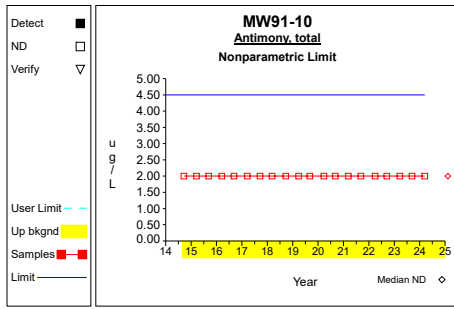


Graph 104

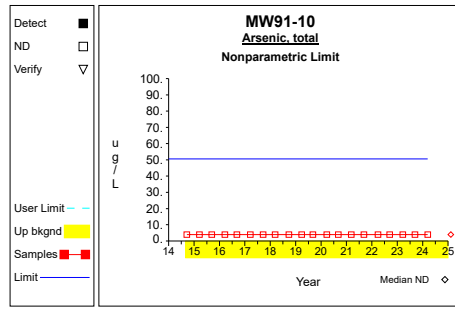


Graph 105

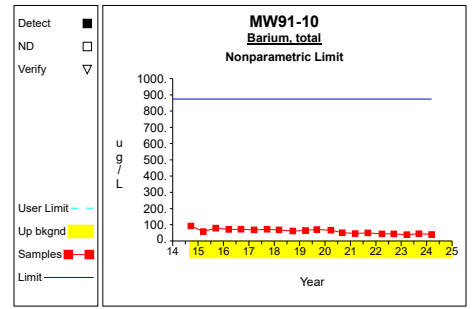
# Up vs. Down Prediction Limits



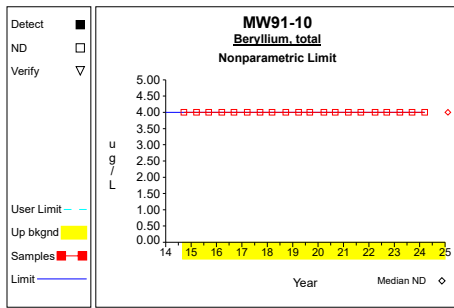
Graph 106



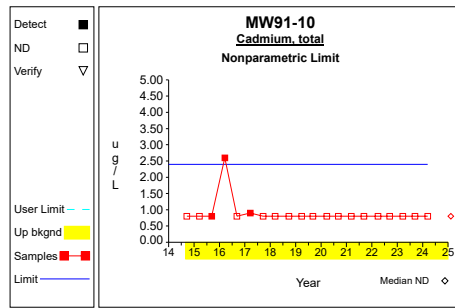
Graph 107



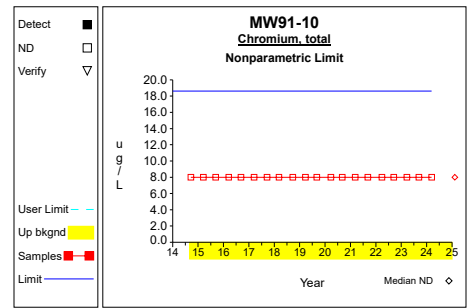
Graph 108



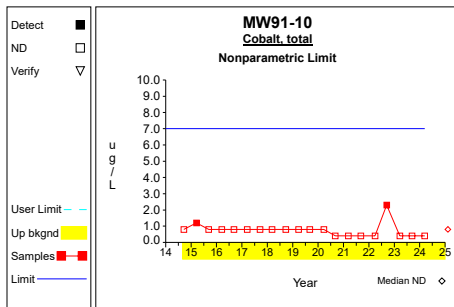
Graph 109



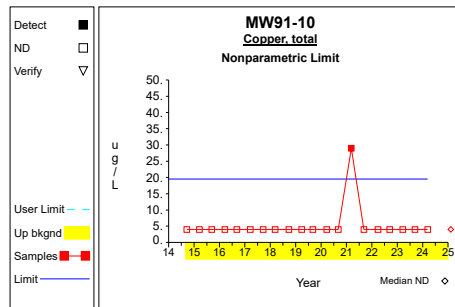
Graph 110



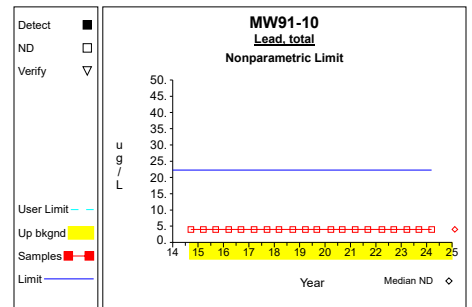
Graph 111



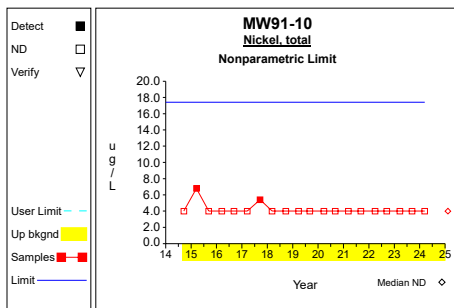
Graph 112



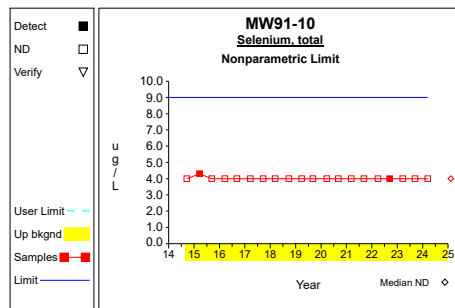
Graph 113



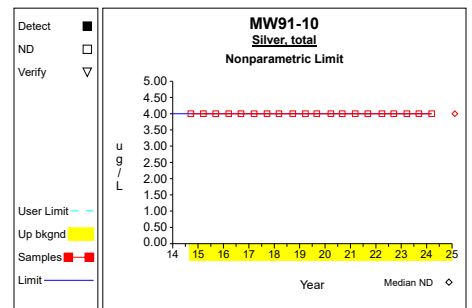
Graph 114



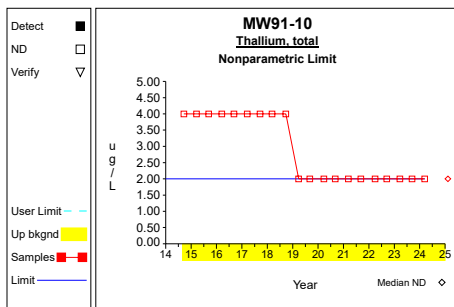
Graph 115



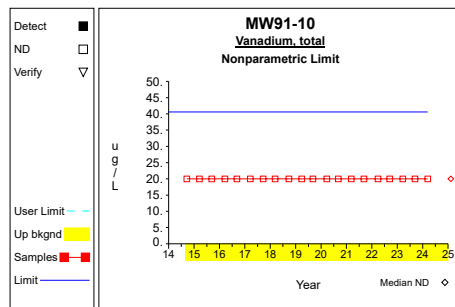
Graph 116



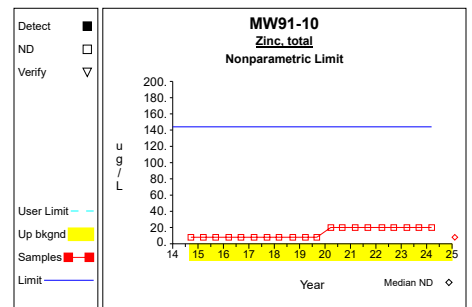
Graph 117



Graph 118

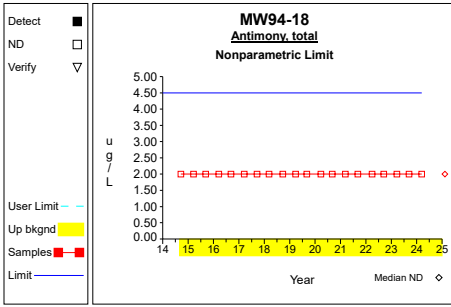


Graph 119

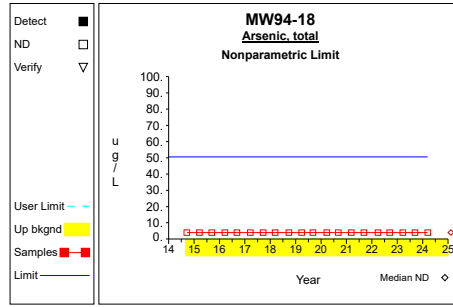


Graph 120

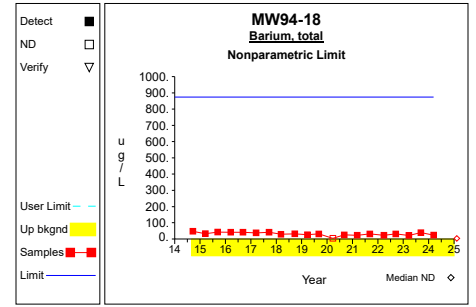
# Up vs. Down Prediction Limits



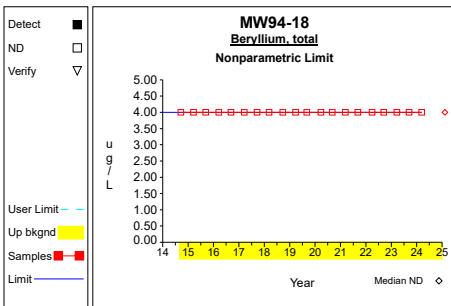
Graph 121



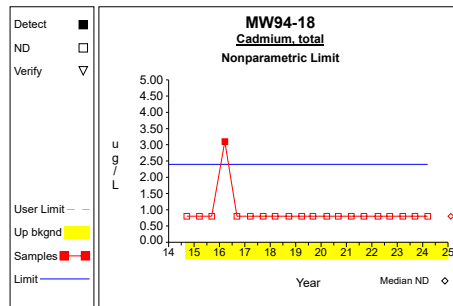
Graph 122



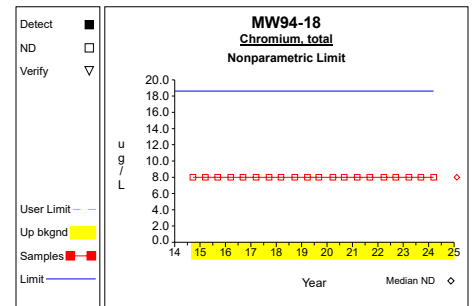
Graph 123



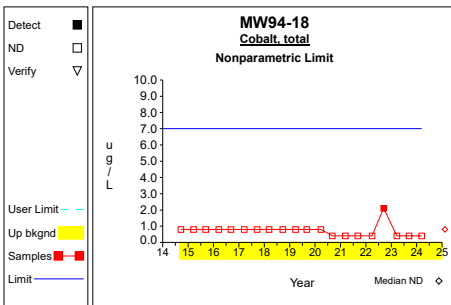
Graph 124



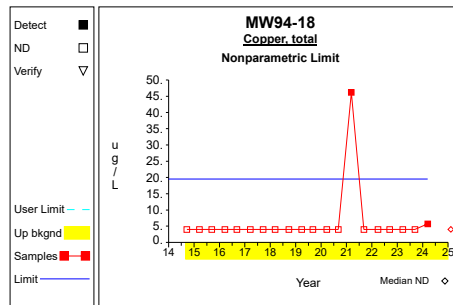
Graph 125



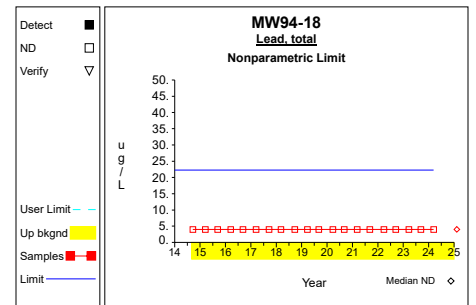
Graph 126



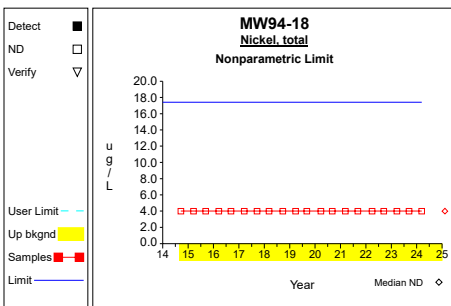
Graph 127



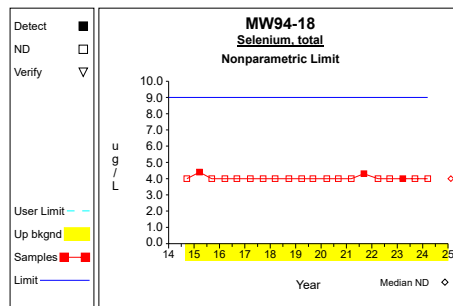
Graph 128



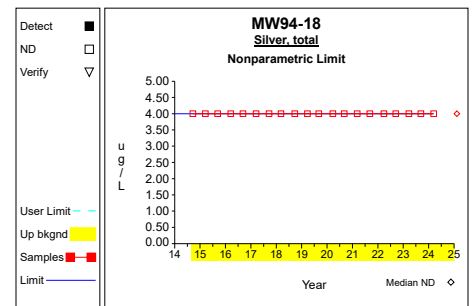
Graph 129



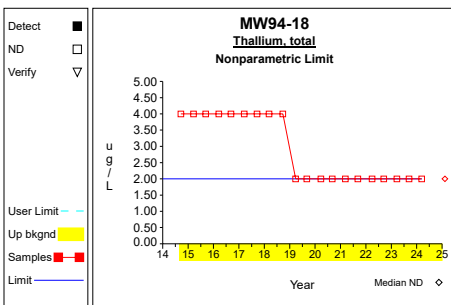
Graph 130



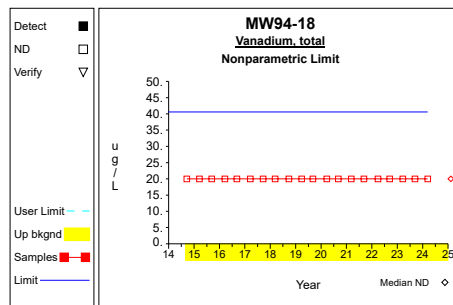
Graph 131



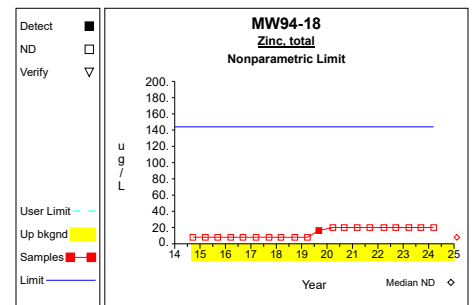
Graph 132



Graph 133

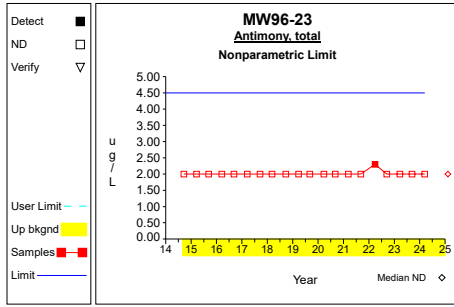


Graph 134

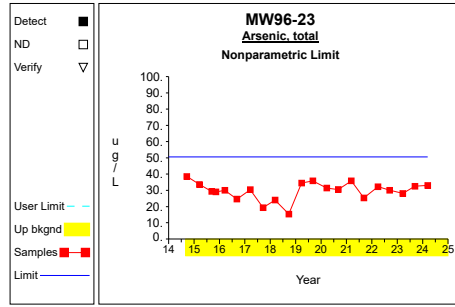


Graph 135

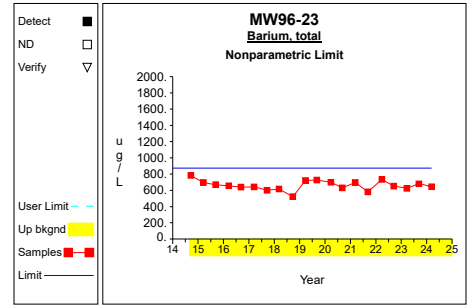
# Up vs. Down Prediction Limits



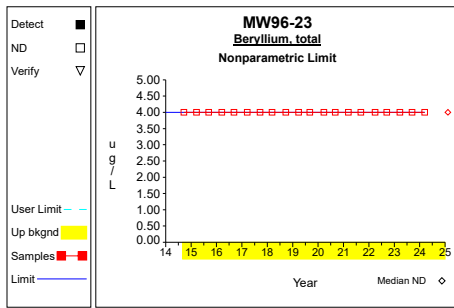
Graph 136



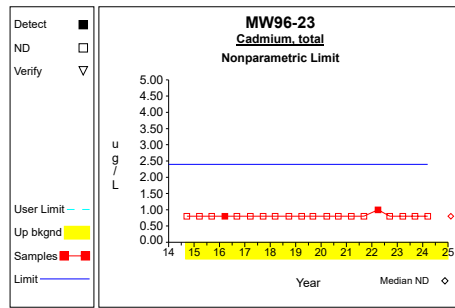
Graph 137



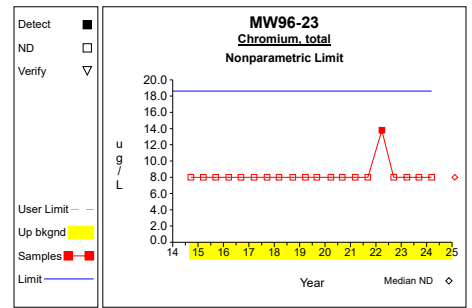
Graph 138



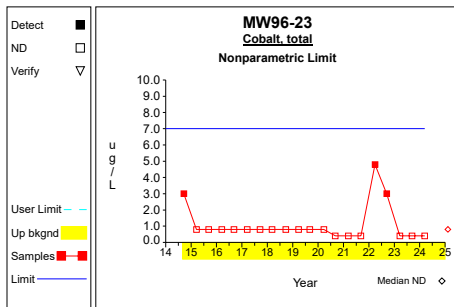
Graph 139



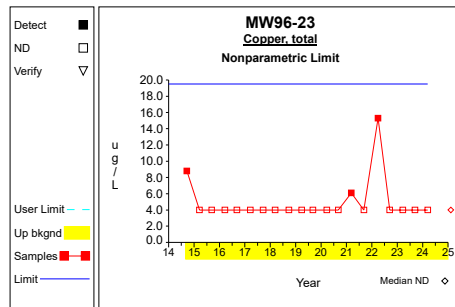
Graph 140



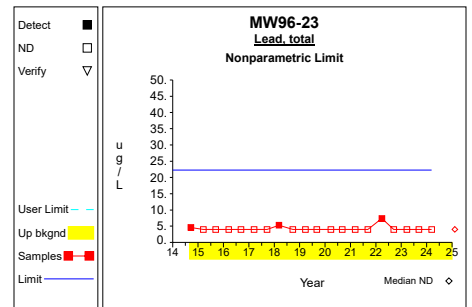
Graph 141



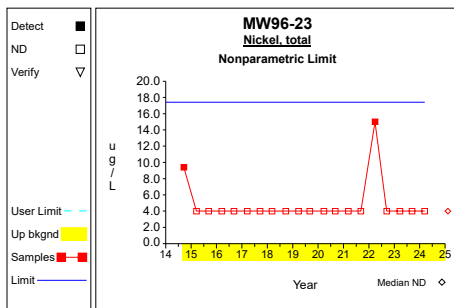
Graph 142



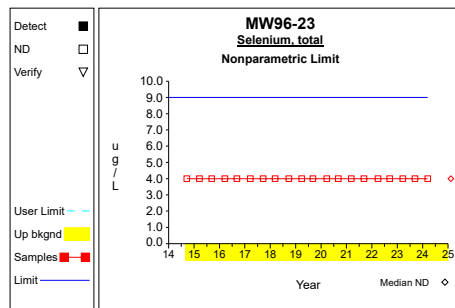
Graph 143



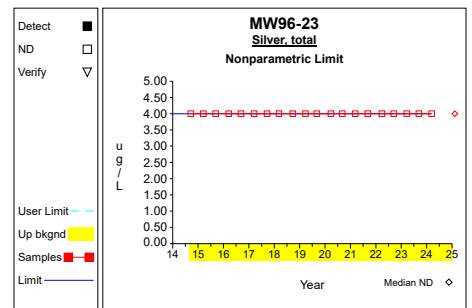
Graph 144



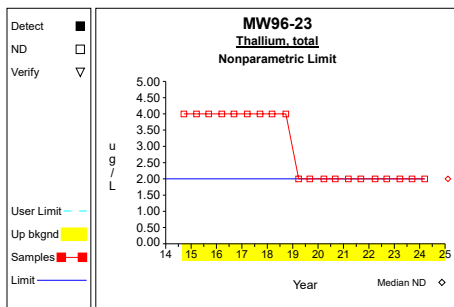
Graph 145



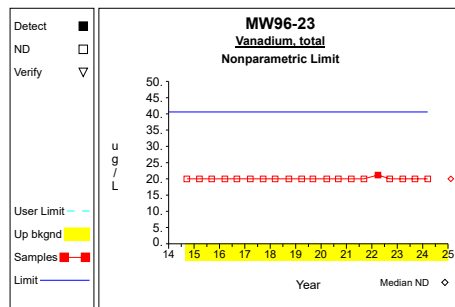
Graph 146



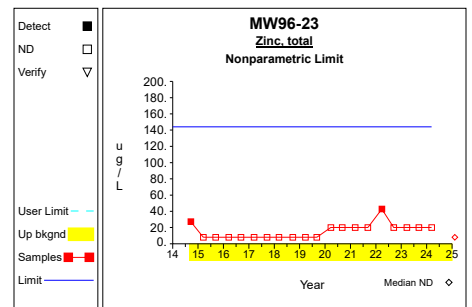
Graph 147



Graph 148



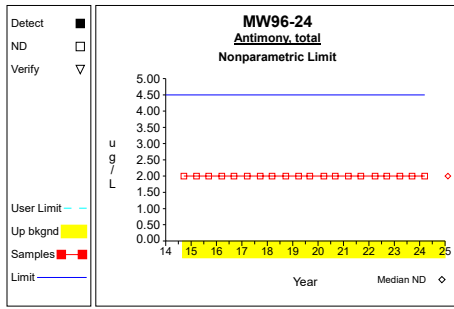
Graph 149



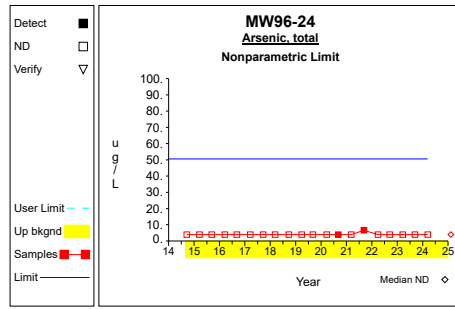
Graph 150



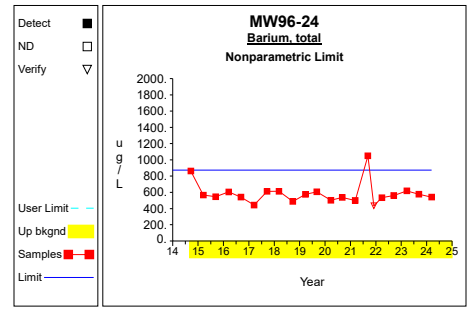
# Up vs. Down Prediction Limits



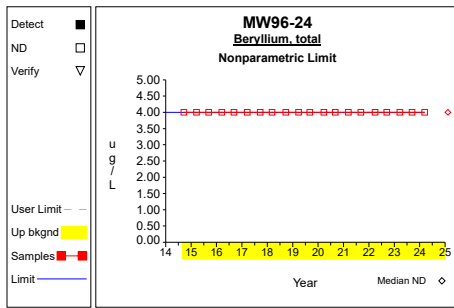
Graph 151



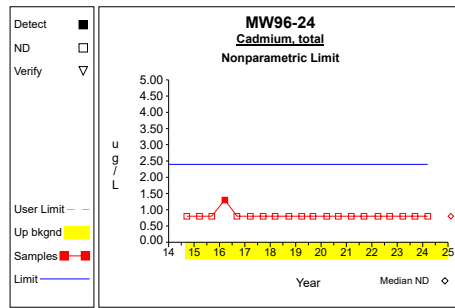
Graph 152



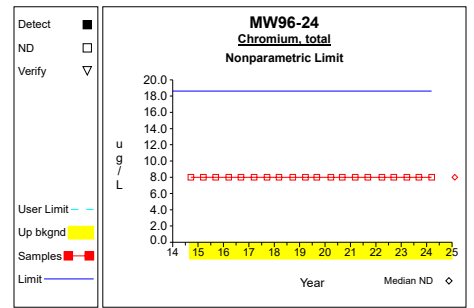
Graph 153



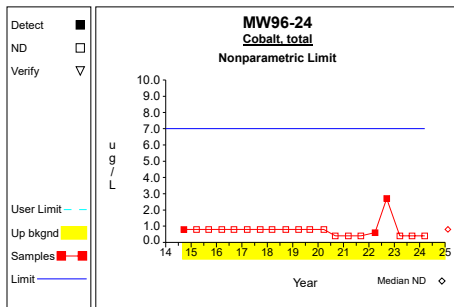
Graph 154



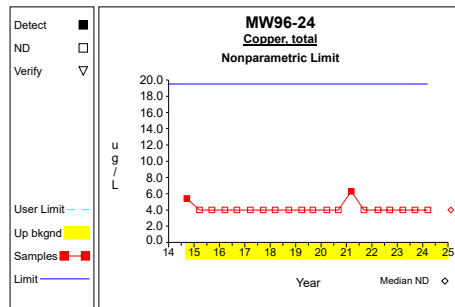
Graph 155



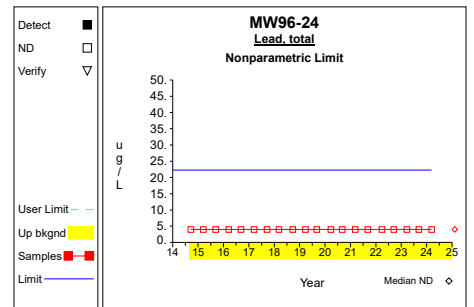
Graph 156



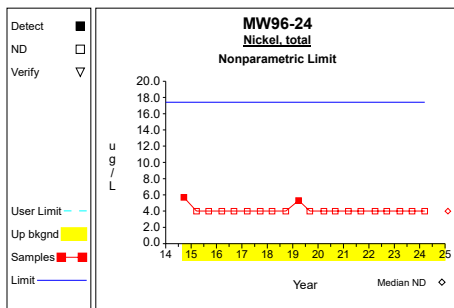
Graph 157



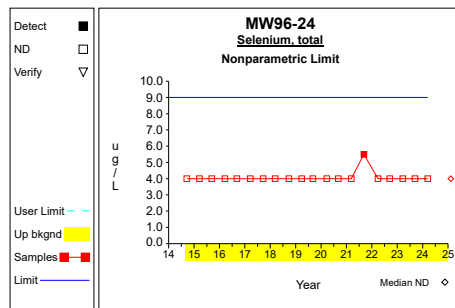
Graph 158



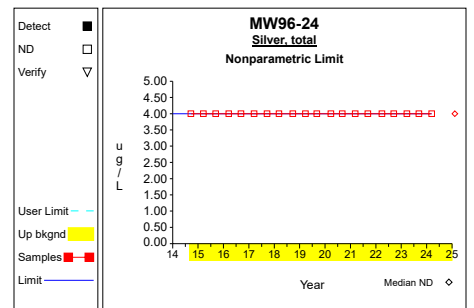
Graph 159



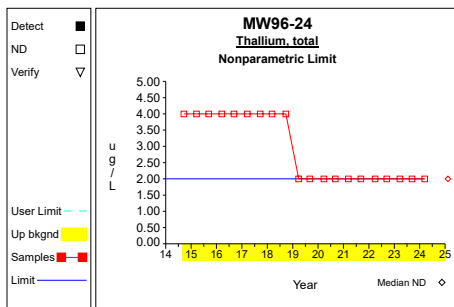
Graph 160



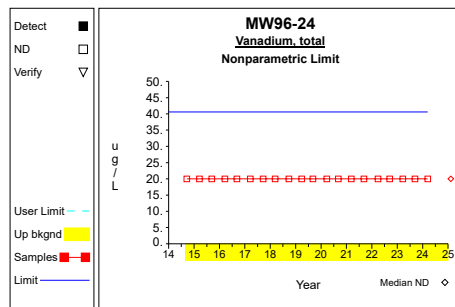
Graph 161



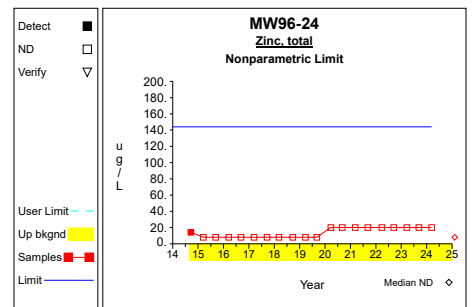
Graph 162



Graph 163

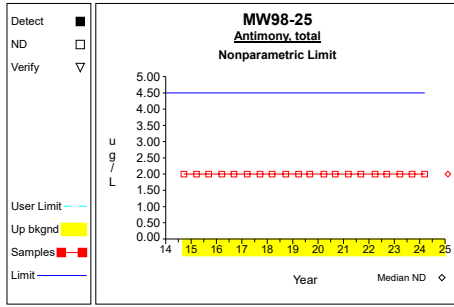


Graph 164

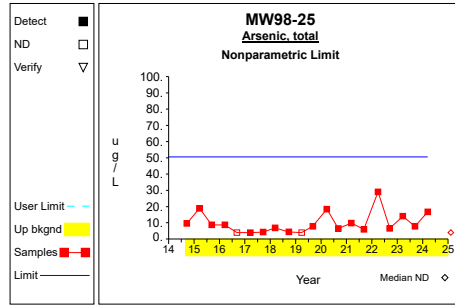


Graph 165

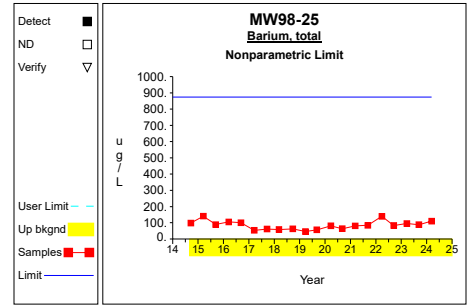
# Up vs. Down Prediction Limits



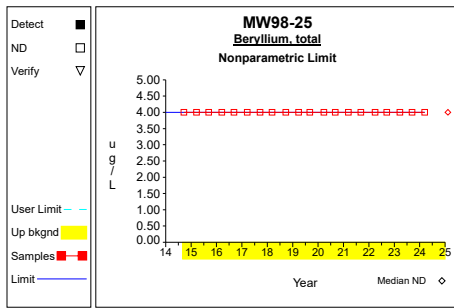
Graph 166



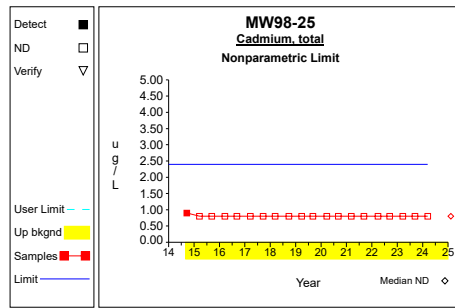
Graph 167



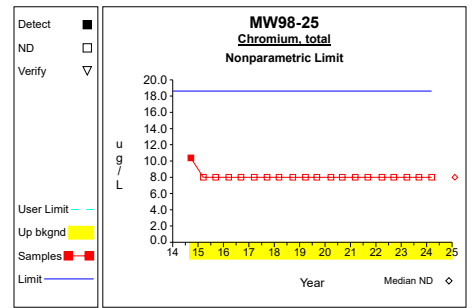
Graph 168



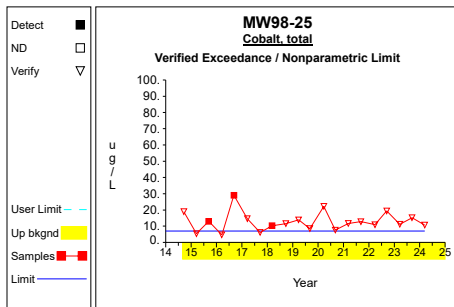
Graph 169



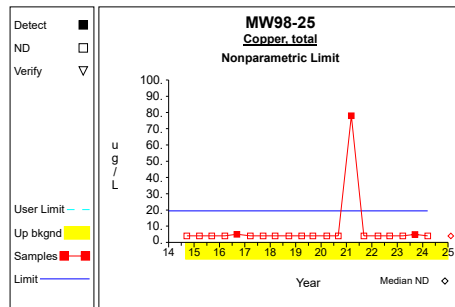
Graph 170



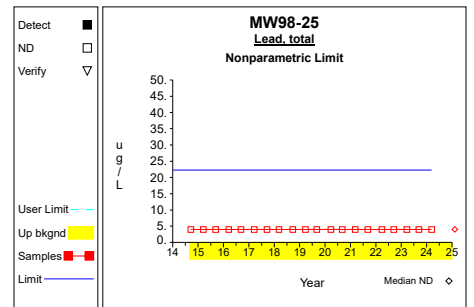
Graph 171



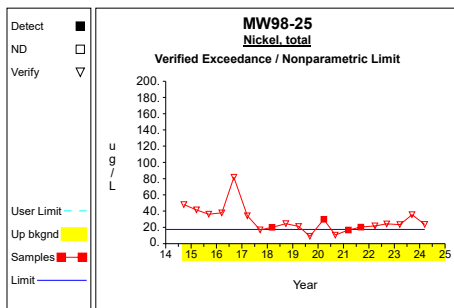
Graph 172



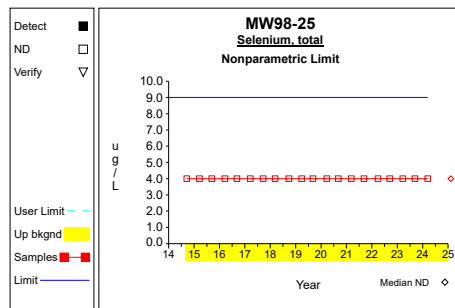
Graph 173



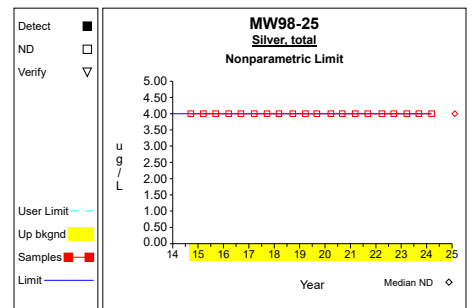
Graph 174



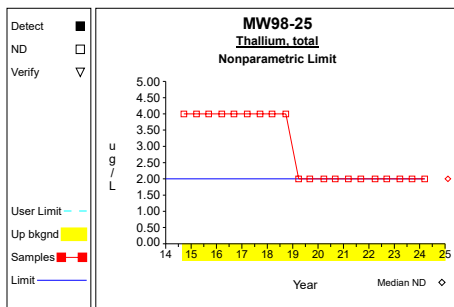
Graph 175



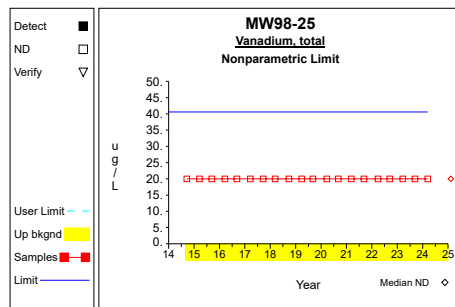
Graph 176



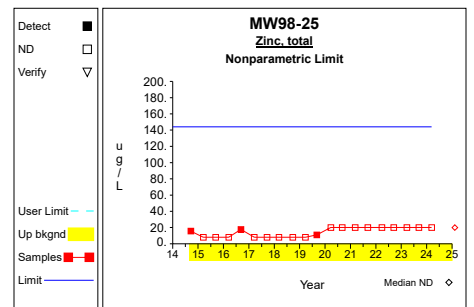
Graph 177



Graph 178



Graph 179



Graph 180

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

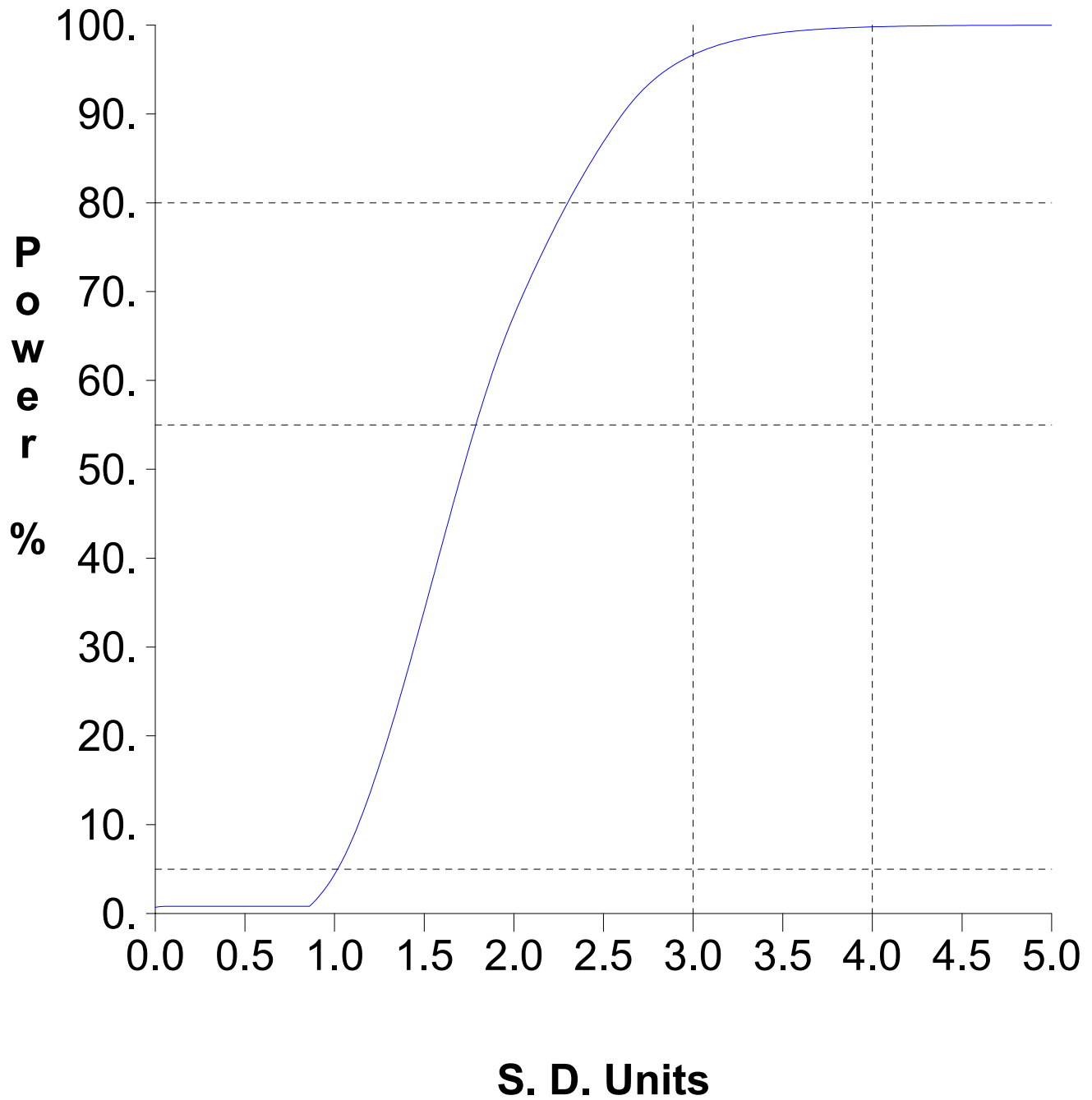


Table 1

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

| Constituent   | Units | Well    | N | Mean   | SD    | Factor | 95% LCL | 95% UCL | Standard | Trend |    |
|---------------|-------|---------|---|--------|-------|--------|---------|---------|----------|-------|----|
| Cobalt, total | ug/L  | MW06-37 | 4 | 1.550  | 2.300 | 1.176  | 0.000   | 4.255   | 2.100    |       |    |
| Nickel, total | ug/L  | MW06-37 | 4 | 2.000  | 0.000 | 1.176  | 2.000   | 2.000   | 100.000  |       |    |
| Cobalt, total | ug/L  | MW09-40 | 4 | 1.150  | 1.500 | 1.176  | 0.000   | 2.914   | 2.100    |       |    |
| Nickel, total | ug/L  | MW09-40 | 4 | 2.000  | 0.000 | 1.176  | 2.000   | 2.000   | 100.000  |       |    |
| Cobalt, total | ug/L  | MW88-3  | 4 | 2.800  | 2.771 | 1.176  | 0.000   | 6.060   | 2.100    |       |    |
| Nickel, total | ug/L  | MW88-3  | 4 | 2.000  | 0.000 | 1.176  | 2.000   | 2.000   | 100.000  |       |    |
| Cobalt, total | ug/L  | MW91-10 | 4 | 0.875  | 0.950 | 1.176  | 0.000   | 1.992   | 2.100    |       |    |
| Nickel, total | ug/L  | MW91-10 | 4 | 2.000  | 0.000 | 1.176  | 2.000   | 2.000   | 100.000  |       |    |
| Cobalt, total | ug/L  | MW94-18 | 4 | 0.825  | 0.850 | 1.176  | 0.000   | 1.825   | 2.100    |       |    |
| Nickel, total | ug/L  | MW94-18 | 4 | 2.000  | 0.000 | 1.176  | 2.000   | 2.000   | 100.000  |       |    |
| Cobalt, total | ug/L  | MW96-24 | 4 | 0.975  | 1.150 | 1.176  | 0.000   | 2.328   | 2.100    |       |    |
| Nickel, total | ug/L  | MW96-24 | 4 | 2.000  | 0.000 | 1.176  | 2.000   | 2.000   | 100.000  |       |    |
| Cobalt, total | ug/L  | MW98-25 | 4 | 14.125 | 4.052 | 1.176  | 9.358   | 18.892  | 2.100    | dec   | ** |
| Nickel, total | ug/L  | MW98-25 | 4 | 26.750 | 5.979 | 1.176  | 19.717  | 33.783  | 100.000  | dec   |    |

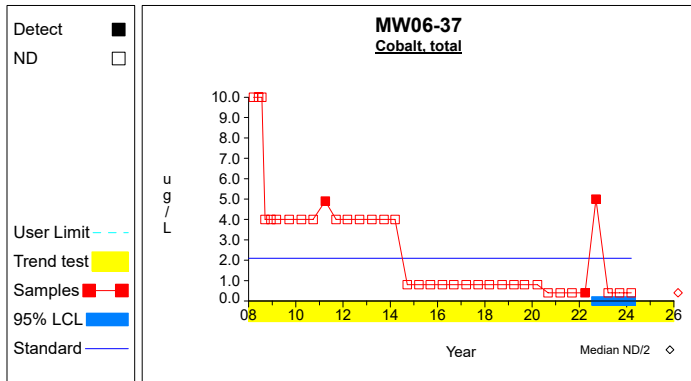
\* - Insufficient Data

\*\* - Significant Exceedance

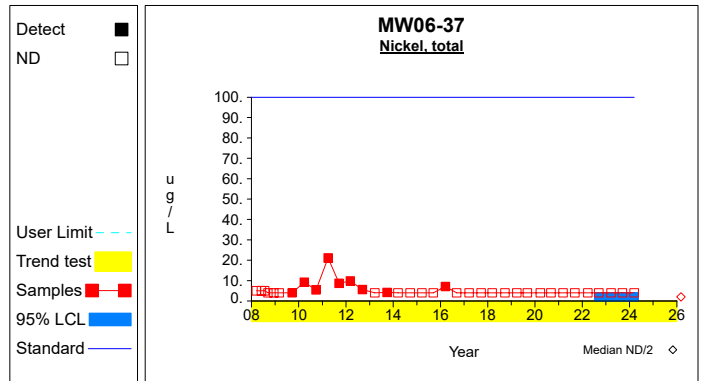
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

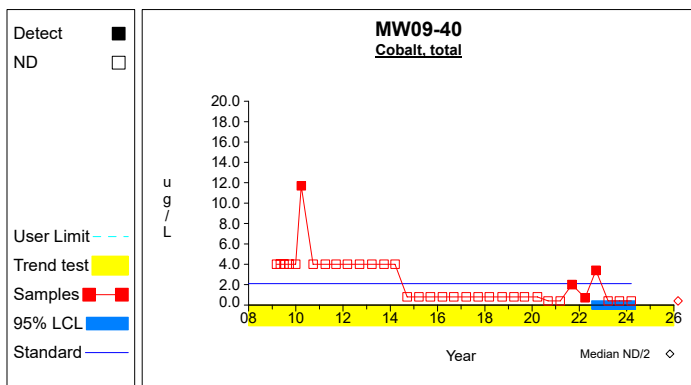
# Confidence Limits (Assessment)



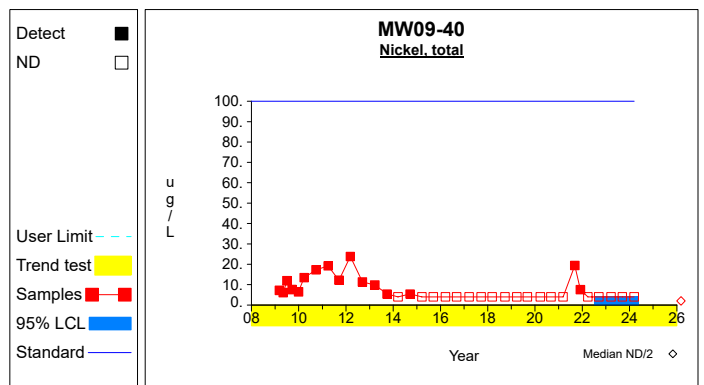
Graph 1



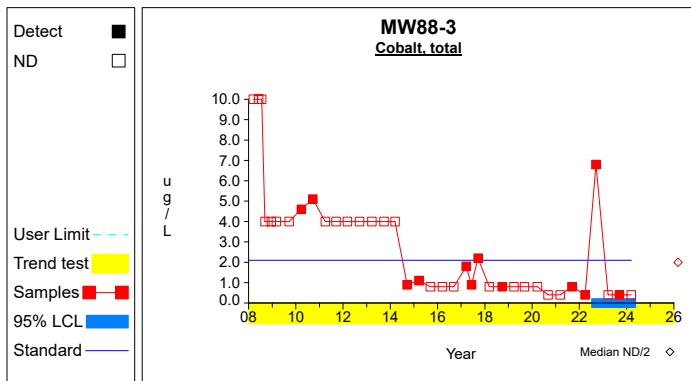
Graph 2



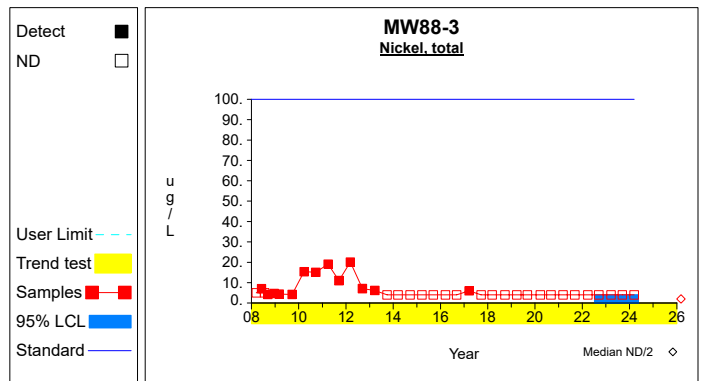
Graph 3



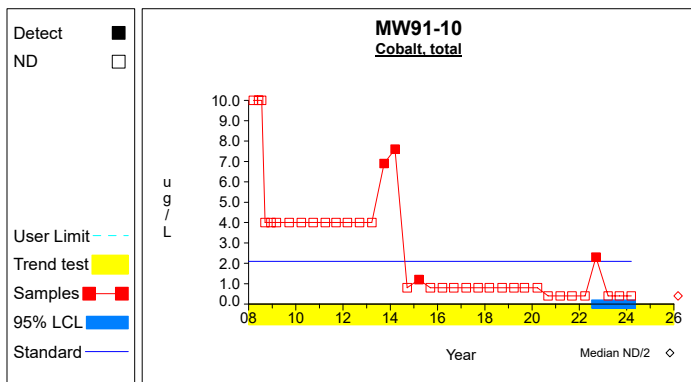
Graph 4



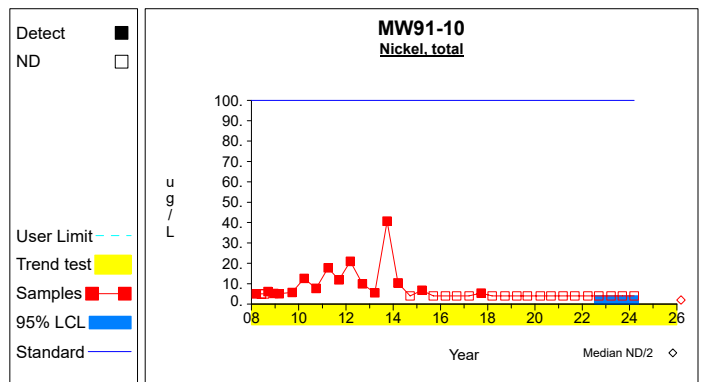
Graph 5



Graph 6

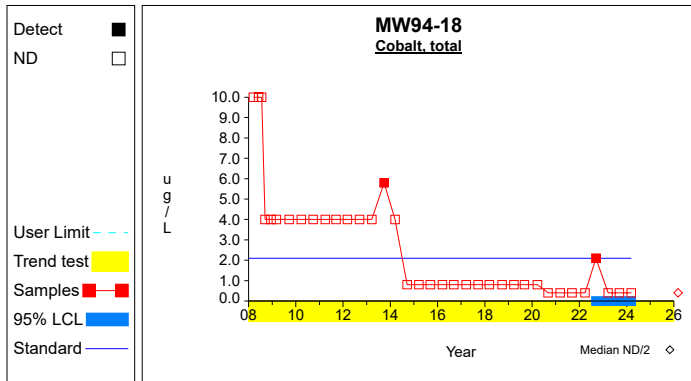


Graph 7

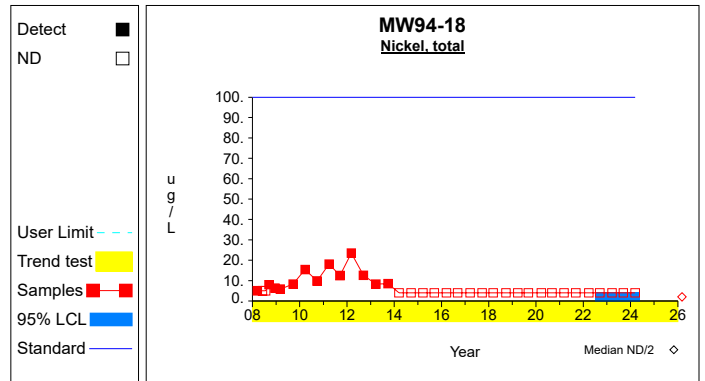


Graph 8

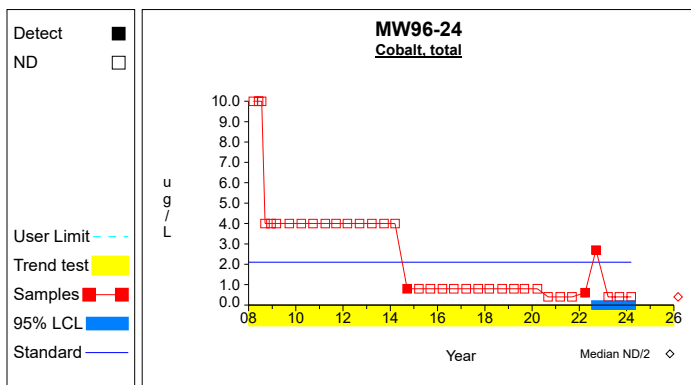
# Confidence Limits (Assessment)



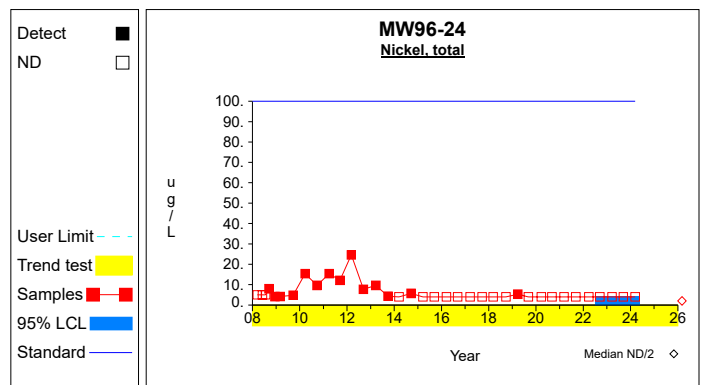
Graph 9



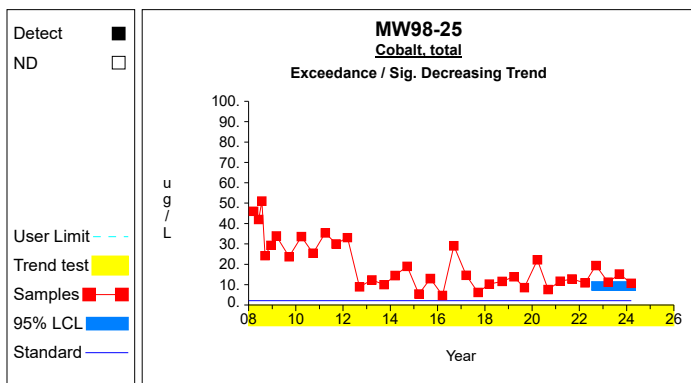
Graph 10



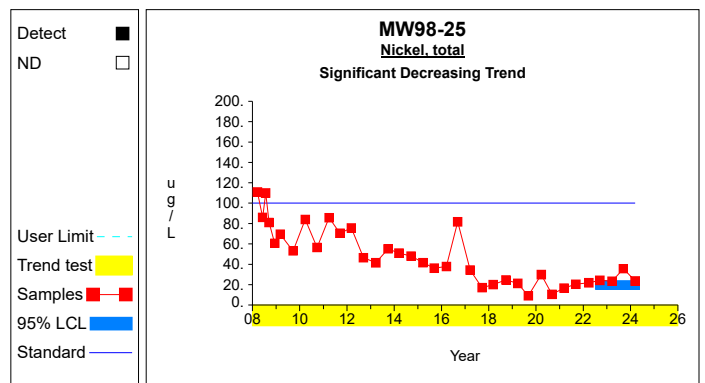
Graph 11



Graph 12



Graph 13



Graph 14

**Attachment C**

Summary Table of Historical VOC Detections

**Table 1**  
**Historical Volatile Organic Compound Detections**

| Constituent                 | Well     | Date       | Identifier | Result | Limit | Units |
|-----------------------------|----------|------------|------------|--------|-------|-------|
| Benzene                     | GU-3     | 9/13/2021  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | GU-3     | 12/03/2021 |            | 6.0    | 1.0   | ug/L  |
| Benzene                     | GU-3     | 3/28/2022  |            | 6.2    | 1.0   | ug/L  |
| Benzene                     | GU-3     | 9/15/2022  |            | 6.1    | 1.0   | ug/L  |
| Chlorobenzene               | GU-3     | 3/28/2022  |            | 1.8    | 1.0   | ug/L  |
| Chlorobenzene               | GU-3     | 9/15/2022  |            | 1.7    | 1.0   | ug/L  |
| Chloroethane                | GU-3     | 9/13/2021  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane                | GU-3     | 12/03/2021 |            | 2.0    | 1.0   | ug/L  |
| Chloroethane                | GU-3     | 9/15/2022  |            | 1.6    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene    | GU-3     | 9/13/2021  |            | 1.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene    | GU-3     | 12/03/2021 |            | 10.5   | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene    | GU-3     | 9/15/2022  |            | 11.9   | 1.0   | ug/L  |
| Ethylbenzene                | GU-3     | 9/15/2022  |            | 1.8    | 1.0   | ug/L  |
| Vinyl chloride              | GU-3     | 12/03/2021 |            | 3.6    | 1.0   | ug/L  |
| Vinyl chloride              | GU-3     | 3/28/2022  |            | 3.0    | 1.0   | ug/L  |
| Vinyl chloride              | GU-3     | 9/15/2022  |            | 1.9    | 1.0   | ug/L  |
| Benzene                     | GU-4     | 3/28/2022  |            | 1.4    | 1.0   | ug/L  |
| Toluene                     | GU-4     | 9/14/2022  |            | 1.9    | 1.0   | ug/L  |
| Acetone                     | GWD-2    | 3/14/2008  |            | 35.5   | 10.0  | ug/L  |
| Benzene                     | GWD-2    | 3/14/2008  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 7/22/2008  |            | 1.1    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 9/12/2008  |            | 1.2    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 12/18/2008 |            | 1.1    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 3/04/2009  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 9/21/2010  |            | 1.6    | 1.0   | ug/L  |
| Bis(2-ethylhexyl) phthalate | GWD-2    | 10/01/2010 |            | 9      | 8     | ug/L  |
| Chloroethane                | GWD-2    | 3/14/2008  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 7/22/2008  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 9/12/2008  |            | 1.3    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 12/18/2008 |            | 1.1    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 3/04/2009  |            | 1.1    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 7/01/2009  |            | 1.0    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 9/27/2009  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 3/24/2010  |            | 4.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 6/02/2010  |            | 7.5    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 7/15/2010  |            | 5.9    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 9/21/2010  |            | 24.8   | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 3/14/2008  |            | 1.6    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 6/03/2008  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 7/22/2008  |            | 1.4    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 9/12/2008  |            | 1.5    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 12/18/2008 |            | 2.2    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 3/04/2009  |            | 2.1    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 5/05/2009  |            | 1.2    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 7/01/2009  |            | 1.1    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 9/27/2009  |            | 1.9    | 1.0   | ug/L  |
| Carbon disulfide            | MW02-30A | 6/07/2016  |            | 1.7    | 1.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-37  | 7/23/2008  |            | 96.8   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-37  | 9/12/2008  |            | 93.1   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-37  | 12/11/2008 |            | 83.5   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-38  | 7/23/2008  |            | 83.2   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-38  | 9/12/2008  |            | 93.7   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-38  | 12/11/2008 |            | 85.8   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-39  | 7/23/2008  |            | 78.9   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-39  | 9/12/2008  |            | 100.0  | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-39  | 12/11/2008 |            | 92.0   | 8.0   | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW09-42  | 9/24/2018  |            | 7      | 6     | ug/L  |
| Acetone                     | MW91-8   | 9/19/2017  |            | 12.4   | 10.0  | ug/L  |
| Trans-1,4-dichloro-2-butene | MW91-8   | 3/16/2016  |            | 33     | 5     | ug/L  |
| 1,1,1-trichloroethane       | MW94-18  | 12/23/1994 |            | 2      | 1     | ug/L  |
| 1,1,1-trichloroethane       | MW94-18  | 3/17/1995  |            | 2      | 1     | ug/L  |
| 1,1-dichloroethane          | MW96-23  | 9/27/2013  |            | 1.3    | 1.0   | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW96-23  | 3/07/2012  |            | 10     | 8     | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 9/04/2020  |            | 1.1    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/09/2021  |            | 1.8    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 9/07/2021  |            | 2.3    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/28/2022  |            | 1.5    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/20/2023  |            | 1.7    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 9/12/2023  |            | 1.6    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/12/2024  |            | 1.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25  | 9/20/2007  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25  | 6/04/2008  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25  | 7/23/2008  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25  | 9/12/2008  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25  | 12/11/2008 |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25  | 3/04/2009  |            | 1.1    | 1.0   | ug/L  |

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



Table 1

## Historical Volatile Organic Compound Detections

| Constituent                 | Well    | Date       | Identifier | Result | Limit | Units |
|-----------------------------|---------|------------|------------|--------|-------|-------|
| 1,4-dichlorobenzene         | MW98-25 | 3/04/2009  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/20/2009  |            | 1.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/26/2010  |            | 2.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/24/2010  |            | 2.6    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/14/2011  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/07/2012  |            | 1.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/08/2016  |            | 2.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/18/2017  |            | 2.0    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/19/2017  |            | 1.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/24/2018  |            | 2.9    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/04/2020  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/09/2021  |            | 1.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/07/2021  |            | 2.0    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/28/2022  |            | 1.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/20/2023  |            | 1.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/12/2023  |            | 2.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/12/2024  |            | 1.6    | 1.0   | ug/L  |
| 2,4,6-tribromophenol        | MW98-25 | 7/23/2008  |            | 105.0  | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW98-25 | 9/12/2008  |            | 120.0  | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW98-25 | 12/11/2008 |            | 97.1   | 8.0   | ug/L  |
| Acetone                     | MW98-25 | 6/04/2008  |            | 12.1   | 10.0  | ug/L  |
| Acetone                     | MW98-25 | 3/30/2011  |            | 54.0   | 10.0  | ug/L  |
| Acetone                     | MW98-25 | 3/07/2012  |            | 14.8   | 10.0  | ug/L  |
| Acetone                     | MW98-25 | 3/08/2018  |            | 46.5   | 10.0  | ug/L  |
| Benzene                     | MW98-25 | 3/09/2004  |            | 4.2    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/14/2004  |            | 3.3    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/30/2006  |            | 2.5    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/15/2006  |            | 2.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/20/2007  |            | 2.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/17/2008  |            | 6.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 6/04/2008  |            | 8.9    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 7/23/2008  |            | 5.5    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/12/2008  |            | 5.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 12/11/2008 |            | 7.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/04/2009  |            | 6.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/04/2009  |            | 6.5    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/20/2009  |            | 6.1    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/26/2010  |            | 6.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/24/2010  |            | 5.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/30/2011  |            | 4.7    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/14/2011  |            | 4.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/07/2012  |            | 5.8    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/27/2013  |            | 1.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/13/2014  |            | 1.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/18/2014  |            | 5.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/11/2015  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/08/2016  |            | 1.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/08/2018  |            | 1.9    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/09/2021  |            | 1.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/07/2021  |            | 2.7    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/28/2022  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/12/2023  |            | 1.4    | 1.0   | ug/L  |
| Beta-bhc                    | MW98-25 | 9/12/2008  |            | .14    | .05   | ug/L  |
| Beta-bhc                    | MW98-25 | 3/13/2014  |            | .07    | .05   | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW98-25 | 12/11/2008 |            | 13     | 8     | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW98-25 | 9/27/2013  |            | 10     | 10    | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW98-25 | 9/19/2017  |            | 6      | 6     | ug/L  |
| Chlorobenzene               | MW98-25 | 3/17/2008  |            | 1.1    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 6/04/2008  |            | 2.8    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 7/23/2008  |            | 2.2    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/12/2008  |            | 2.4    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 12/11/2008 |            | 2.3    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/04/2009  |            | 1.9    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/04/2009  |            | 1.8    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/26/2010  |            | 1.4    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/24/2010  |            | 2.1    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/14/2011  |            | 1.2    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/07/2012  |            | 1.3    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/18/2014  |            | 1.3    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/07/2021  |            | 1.0    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/12/2023  |            | 1.3    | 1.0   | ug/L  |
| Chloroethane                | MW98-25 | 3/17/2008  |            | 4.2    | 1.0   | ug/L  |
| Chloroethane                | MW98-25 | 6/04/2008  |            | 2.5    | 1.0   | ug/L  |
| Chloroethane                | MW98-25 | 7/23/2008  |            | 2.1    | 1.0   | ug/L  |
| Chloroethane                | MW98-25 | 9/12/2008  |            | 2.3    | 1.0   | ug/L  |
| Chloroethane                | MW98-25 | 12/11/2008 |            | 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 |
|--------------------------|---------|------------|------------|--------|-------|-------|
| Chloroethane             | MW98-25 | 3/04/2009  |            | 2.4    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/04/2009  |            | 2.5    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/20/2009  |            | 1.8    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/26/2010  |            | 2.0    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/24/2010  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/30/2011  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/14/2011  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/07/2012  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/12/2012  |            | 1.8    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/27/2013  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/13/2014  |            | 2.0    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/16/2016  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/08/2016  |            | 1.0    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/08/2018  |            | 1.1    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/07/2021  |            | 1.5    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/20/2023  |            | 1.7    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/12/2023  |            | 1.5    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/12/2024  |            | 1.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/17/2008  |            | 8.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 6/04/2008  |            | 6.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 7/23/2008  |            | 6.2    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/12/2008  |            | 6.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 12/11/2008 |            | 5.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/04/2009  |            | 5.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/04/2009  |            | 5.2    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/20/2009  |            | 5.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/26/2010  |            | 4.6    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/24/2010  |            | 7.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/30/2011  |            | 6.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/14/2011  |            | 6.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/07/2012  |            | 6.7    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/12/2012  |            | 3.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/20/2013  |            | 2.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/27/2013  |            | 4.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/13/2014  |            | 4.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/18/2014  |            | 4.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/17/2015  |            | 5.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/11/2015  |            | 1.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/16/2016  |            | 5.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/08/2016  |            | 2.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/18/2017  |            | 2.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/19/2017  |            | 1.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/08/2018  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/24/2018  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/25/2019  |            | 1.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/04/2020  |            | 2.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/09/2021  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/07/2021  |            | 3.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/28/2022  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/20/2023  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/12/2023  |            | 2.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/12/2024  |            | 1.4    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 7/23/2008  |            | 6.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/12/2008  |            | 2.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/04/2009  |            | 21.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/27/2009  |            | 16.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/26/2010  |            | 34.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/24/2010  |            | 28.2   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/30/2011  |            | 32.0   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/14/2011  |            | 12.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/07/2012  |            | 34.5   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/12/2012  |            | 4.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/20/2013  |            | 13.0   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/27/2013  |            | 1.3    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/13/2014  |            | 1.5    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/18/2014  |            | 24.3   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/11/2015  |            | 14.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/08/2016  |            | 6.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/18/2017  |            | 18.8   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/19/2017  |            | 6.9    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/08/2018  |            | 38.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/24/2018  |            | 1.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/25/2019  |            | 3.8    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/23/2020  |            | 19.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/04/2020  |            | 1.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/09/2021  |            | 8.6    | 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 |
|--------------------------|---------|------------|------------|--------|-------|-------|
| Dichlorodifluoromethane  | MW98-25 | 9/07/2021  |            | 4.8    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/28/2022  |            | 1.7    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/20/2023  |            | 3.3    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/12/2023  |            | 2.1    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 6/04/2008  |            | 2.2    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 12/11/2008 |            | 1.8    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 9/20/2009  |            | 1.2    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 3/26/2010  |            | 2.6    | 1.0   | ug/L  |
| Toluene                  | MW98-25 | 6/04/2008  |            | 1.2    | 1.0   | ug/L  |
| Toluene                  | MW98-25 | 3/26/2010  |            | 1.2    | 1.0   | ug/L  |
| Toluene                  | MW98-25 | 9/24/2010  |            | 1.3    | 1.0   | ug/L  |
| Trichloroethylene        | MW98-25 | 6/04/2008  |            | 1.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 6/04/2008  |            | 28.7   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/12/2008  |            | 2.4    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/04/2009  |            | 16.0   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/04/2009  |            | 16.4   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/26/2010  |            | 27.0   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/24/2010  |            | 12.1   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/30/2011  |            | 19.3   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/14/2011  |            | 5.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/07/2012  |            | 16.4   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/12/2012  |            | 1.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/20/2013  |            | 6.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/27/2013  |            | 1.9    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/18/2014  |            | 3.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/08/2016  |            | 4.4    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/18/2017  |            | 4.3    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/19/2017  |            | 1.6    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/08/2018  |            | 2.5    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/23/2020  |            | 6.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/04/2020  |            | 1.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/09/2021  |            | 2.6    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/28/2022  |            | 1.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/20/2023  |            | 1.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/12/2023  |            | 1.1    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/12/2024  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/17/2008  |            | 2.8    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 6/04/2008  |            | 2.8    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 7/23/2008  |            | 1.9    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 12/11/2008 |            | 2.4    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/04/2009  |            | 2.5    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/04/2009  |            | 2.3    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/26/2010  |            | 1.6    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 9/24/2010  |            | 1.7    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/30/2011  |            | 1.5    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 9/14/2011  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/07/2012  |            | 1.4    | 1.0   | ug/L  |
| Xylenes, total           | MW98-25 | 6/04/2008  |            | 5.5    | 2.0   | ug/L  |
| Xylenes, total           | MW98-25 | 7/23/2008  |            | 2.5    | 2.0   | ug/L  |
| Benzene                  | PEC-3   | 3/28/2022  |            | 1.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | PEC-3   | 3/28/2022  |            | 3.2    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 9/21/2009  |            | 1.1    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/30/2011  |            | 1.0    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/09/2021  |            | 2.6    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/28/2022  |            | 1.4    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/20/2023  |            | 1.4    | 1.0   | ug/L  |
| 1,1-dichloroethylene     | Sramp 1 | 12/12/2008 |            | 1      | 1     | ug/L  |
| 1,2,4-trichlorobenzene   | Sramp 1 | 9/21/2009  |            | 5.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 7/21/2008  |            | 1.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/12/2008  |            | 1.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 12/12/2008 |            | 1.6    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/04/2009  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/21/2009  |            | 2.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/24/2010  |            | 3.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/30/2011  |            | 3.5    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/14/2011  |            | 2.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/07/2012  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/20/2013  |            | 4.0    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/26/2013  |            | 3.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/17/2015  |            | 2.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/11/2015  |            | 6.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/16/2016  |            | 3.9    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/08/2016  |            | 4.6    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/18/2017  |            | 2.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/09/2021  |            | 5.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/28/2022  |            | 5.0    | 1.0   | ug/L  |

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

Table 1

## Historical Volatile Organic Compound Detections

| Constituent              | Well    | Date       | Identifier | Result | Limit | Units |
|--------------------------|---------|------------|------------|--------|-------|-------|
| 1,4-dichlorobenzene      | Sramp 1 | 3/20/2023  |            | 6.5    | 1.0   | ug/L  |
| Acetone                  | Sramp 1 | 3/30/2011  |            | 40.1   | 10.0  | ug/L  |
| Acetone                  | Sramp 1 | 3/16/2016  |            | 82.1   | 10.0  | ug/L  |
| Acetone                  | Sramp 1 | 3/25/2019  |            | 19.3   | 10.0  | ug/L  |
| Acetone                  | Sramp 1 | 3/28/2022  |            | 23.5   | 10.0  | ug/L  |
| Benzene                  | Sramp 1 | 7/21/2008  |            | 4.7    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/12/2008  |            | 3.6    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/04/2009  |            | 1.3    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/21/2009  |            | 7.6    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/24/2010  |            | 4.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/30/2011  |            | 5.8    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/20/2013  |            | 3.5    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/26/2013  |            | 6.0    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/17/2015  |            | 2.6    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/11/2015  |            | 6.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/16/2016  |            | 5.0    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/08/2016  |            | 2.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/18/2017  |            | 2.0    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/25/2019  |            | 1.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/03/2019  |            | 1.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/09/2021  |            | 5.7    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/28/2022  |            | 4.8    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/20/2023  |            | 5.7    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 7/21/2008  |            | 1.6    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/12/2008  |            | 1.8    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/21/2009  |            | 2.8    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/24/2010  |            | 1.5    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/30/2011  |            | 1.5    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/20/2013  |            | 1.1    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/26/2013  |            | 2.1    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/11/2015  |            | 2.4    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/16/2016  |            | 1.9    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/08/2016  |            | 1.4    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/18/2017  |            | 1.1    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/25/2019  |            | 1.5    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/09/2021  |            | 1.7    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/28/2022  |            | 1.4    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/20/2023  |            | 1.7    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 7/21/2008  |            | 1.5    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/12/2008  |            | 1.0    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/04/2009  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/21/2009  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/30/2011  |            | 1.3    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/14/2011  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/26/2013  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/11/2015  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/16/2016  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/08/2016  |            | 2.0    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/18/2017  |            | 1.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/25/2019  |            | 2.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/03/2019  |            | 2.5    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/09/2021  |            | 2.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/28/2022  |            | 1.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/20/2023  |            | 2.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 7/21/2008  |            | 3.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/12/2008  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 12/12/2008 |            | 1.7    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/04/2009  |            | 1.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/21/2009  |            | 2.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/24/2010  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/30/2011  |            | 3.6    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/14/2011  |            | 2.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/20/2013  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/26/2013  |            | 3.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/17/2015  |            | 1.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/11/2015  |            | 2.7    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/16/2016  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/08/2016  |            | 2.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/18/2017  |            | 2.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/25/2019  |            | 4.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/03/2019  |            | 2.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/09/2021  |            | 4.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/28/2022  |            | 3.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/20/2023  |            | 3.0    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/21/2009  |            | 20.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/24/2010  |            | 7.6    | 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 |
|-------------------------|---------|------------|------------|--------|-------|-------|
| Dichlorodifluoromethane | Sramp 1 | 3/07/2012  |            | 1.1    | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 9/12/2012  |            | 2.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 3/20/2013  |            | 9.5    | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 9/26/2013  |            | 20.3   | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 3/17/2015  |            | 16.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 9/11/2015  |            | 40.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 3/16/2016  |            | 16.5   | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 9/08/2016  |            | 40.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 3/18/2017  |            | 34.8   | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 9/19/2017  |            | 3.1    | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 3/25/2019  |            | 38.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 3/09/2021  |            | 50.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 3/28/2022  |            | 12.2   | 1.0   | ug/L  |
| Dichlorodifluoromethane | Sramp 1 | 3/20/2023  |            | 18.4   | 1.0   | ug/L  |
| Ethylbenzene            | Sramp 1 | 7/21/2008  |            | 2.6    | 1.0   | ug/L  |
| Ethylbenzene            | Sramp 1 | 9/12/2008  |            | 2.0    | 1.0   | ug/L  |
| Ethylbenzene            | Sramp 1 | 9/21/2009  |            | 7.7    | 1.0   | ug/L  |
| Ethylbenzene            | Sramp 1 | 9/24/2010  |            | 2.7    | 1.0   | ug/L  |
| Ethylbenzene            | Sramp 1 | 3/30/2011  |            | 2.3    | 1.0   | ug/L  |
| Ethylbenzene            | Sramp 1 | 9/14/2011  |            | 1.8    | 1.0   | ug/L  |
| Ethylbenzene            | Sramp 1 | 9/26/2013  |            | 3.5    | 1.0   | ug/L  |
| Ethylbenzene            | Sramp 1 | 3/16/2016  |            | 2.1    | 1.0   | ug/L  |
| Ethylbenzene            | Sramp 1 | 3/09/2021  |            | 1.9    | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 7/21/2008  |            | 26.0   | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 9/12/2008  |            | 12.7   | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 12/12/2008 |            | 17.7   | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 3/04/2009  |            | 26.8   | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 9/21/2009  |            | 14.1   | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 9/24/2010  |            | 3.0    | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 3/30/2011  |            | 7.3    | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 9/14/2011  |            | 2.8    | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 3/20/2013  |            | 4.0    | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 9/26/2013  |            | 3.0    | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 9/11/2015  |            | 7.3    | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 3/16/2016  |            | 39.1   | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 9/08/2016  |            | 24.2   | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 3/18/2017  |            | 17.9   | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 9/19/2017  |            | 2.1    | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 3/25/2019  |            | 22.5   | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 3/09/2021  |            | 28.0   | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 3/28/2022  |            | 8.1    | 1.0   | ug/L  |
| Trichlorofluoromethane  | Sramp 1 | 3/20/2023  |            | 9.1    | 1.0   | ug/L  |
| Vinyl chloride          | Sramp 1 | 7/21/2008  |            | 1.1    | 1.0   | ug/L  |
| Vinyl chloride          | Sramp 1 | 9/12/2008  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride          | Sramp 1 | 12/12/2008 |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride          | Sramp 1 | 3/04/2009  |            | 1.0    | 1.0   | ug/L  |
| Xylenes, total          | Sramp 1 | 7/21/2008  |            | 3.4    | 2.0   | ug/L  |
| Xylenes, total          | Sramp 1 | 9/12/2008  |            | 2.8    | 2.0   | ug/L  |
| Xylenes, total          | Sramp 1 | 12/12/2008 |            | 2.3    | 2.0   | ug/L  |
| Xylenes, total          | Sramp 1 | 9/21/2009  |            | 5.9    | 2.0   | ug/L  |
| Xylenes, total          | Sramp 1 | 9/24/2010  |            | 5.7    | 2.0   | ug/L  |
| Xylenes, total          | Sramp 1 | 9/14/2011  |            | 3.2    | 2.0   | ug/L  |
| Xylenes, total          | Sramp 1 | 9/26/2013  |            | 3.4    | 2.0   | ug/L  |
| Xylenes, total          | Sramp 1 | 3/16/2016  |            | 2.4    | 2.0   | ug/L  |
| Acetone                 | SRAMP 2 | 3/13/2014  |            | 82.2   | 10.0  | ug/L  |
| Ethylbenzene            | SRAMP 2 | 9/24/2018  |            | 1.5    | 1.0   | ug/L  |
| Xylenes, total          | SRAMP 2 | 9/24/2018  |            | 8.1    | 2.0   | 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 D**

Assessment Statistics for Detected 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  | MW98-25 | 4 | 1.225 | 0.550 | 1.176  | 0.578   | 1.872   | 140.000  |       |
| 1,4-dichlorobenzene      | ug/L  | MW98-25 | 4 | 1.425 | 0.793 | 1.176  | 0.492   | 2.358   | 75.000   |       |
| Benzene                  | ug/L  | MW98-25 | 4 | 0.725 | 0.450 | 1.176  | 0.196   | 1.254   | 5.000    |       |
| Chlorobenzene            | ug/L  | MW98-25 | 4 | 0.700 | 0.400 | 1.176  | 0.229   | 1.171   | 100.000  |       |
| Chloroethane             | ug/L  | MW98-25 | 4 | 1.275 | 0.532 | 1.176  | 0.650   | 1.900   | 2800.000 | dec   |
| Cis-1,2-dichloroethylene | ug/L  | MW98-25 | 4 | 1.750 | 1.015 | 1.176  | 0.556   | 2.944   | 70.000   | dec   |
| Dichlorodifluoromethane  | ug/L  | MW98-25 | 4 | 1.600 | 1.361 | 1.176  | 0.000   | 3.201   | 1000.000 |       |
| Trichlorofluoromethane   | ug/L  | MW98-25 | 4 | 0.950 | 0.311 | 1.176  | 0.584   | 1.316   | 2000.000 |       |

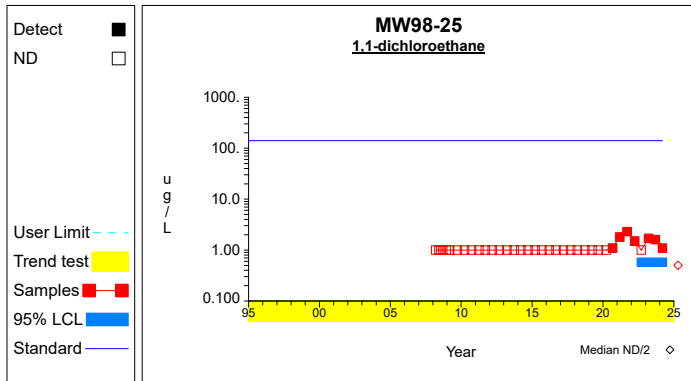
\* - Insufficient Data

\*\* - Significant Exceedance

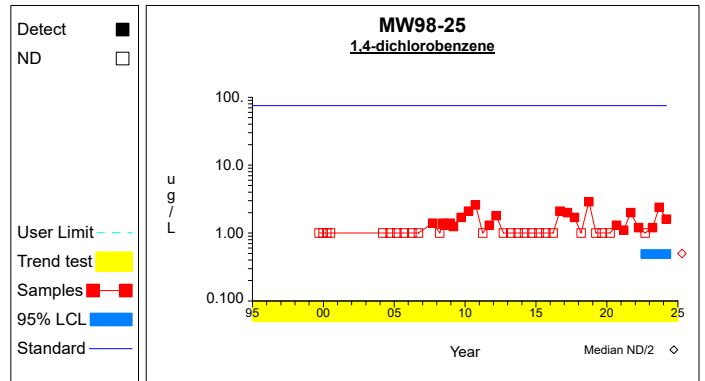
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

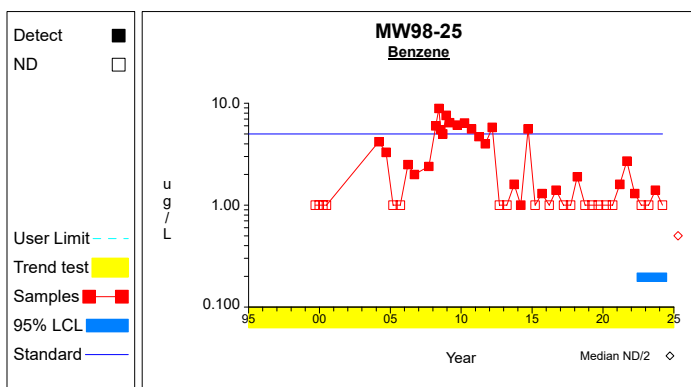
# Confidence Limits (Assessment)



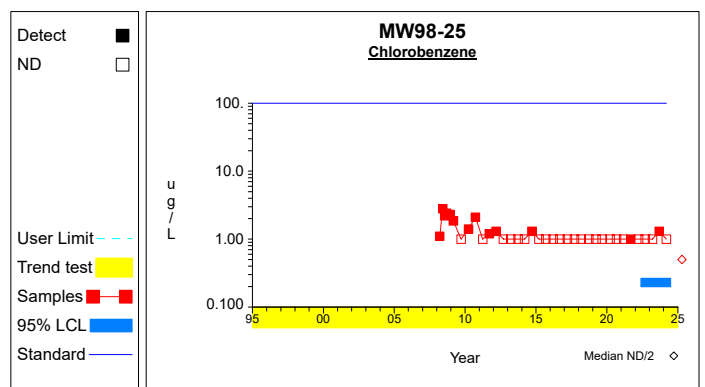
Graph 1



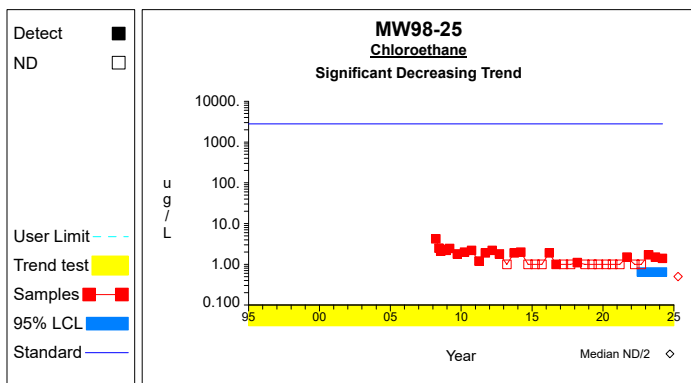
Graph 2



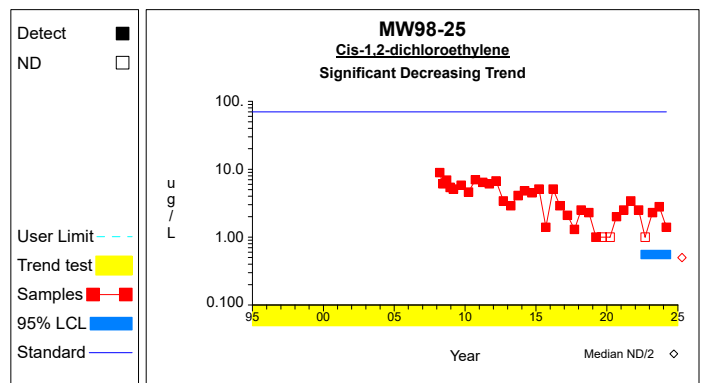
Graph 3



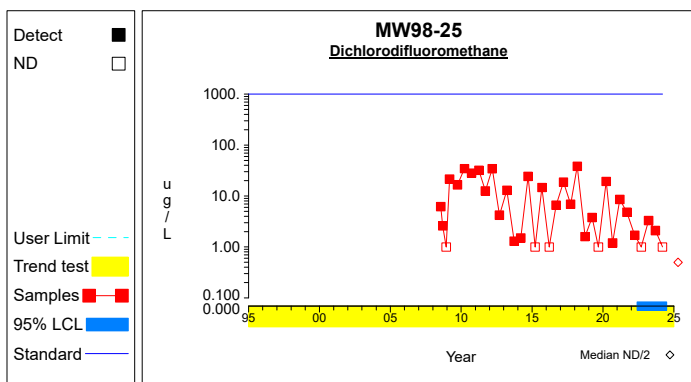
Graph 4



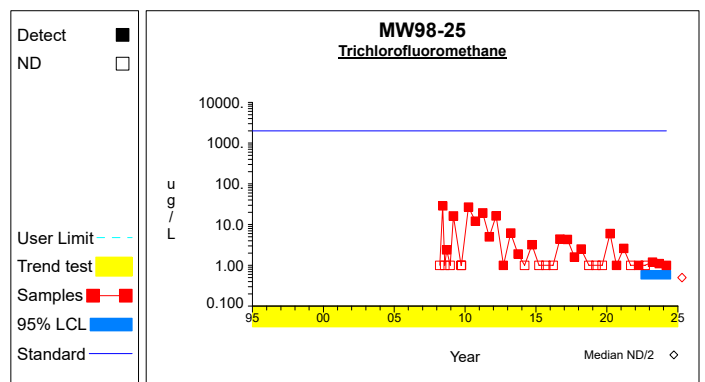
Graph 5



Graph 6



Graph 7



Graph 8



## APPENDIX D.2 –Fall Statistical Evaluation

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**GROUND WATER STATISTICS**

**FOR THE**

**BOONE COUNTY SANITARY LANDFILL**

**Second Semi-Annual Monitoring Event in 2024**

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**November 2024**

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## INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the second semi-annual monitoring event in 2024 at the Boone County Sanitary Landfill in Boone County, Iowa. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the Boone County Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10, USEPA Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance*”, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

### Ground Water Monitoring Program

The groundwater monitoring network for Boone County Sanitary Landfill includes upgradient wells MW88-2, MW91-8, MW98-28, MW02-15A, and MW02-30A, and downgradient detection sample points UD-3, GWD-1, MW88-3, MW91-10, MW94-18, MW94-19, MW96-21, MW96-23, and MW96-24. Detections of volatile organic compounds (VOCs) and statistical exceedances at wells along the north edge of the facility prompted a site remedial and mitigating action plan (SRAMP). Monitoring well MW98-25 situated along the north property line, has had verified VOC detections and inorganic exceedances. Sentinel wells SRAMP 1, SRAMP 2, MW06-37, MW06-38, and MW06-39 were installed to monitor the effectiveness of the SRAMP. Additional sample points (MW09-40 and MW09-42) have been added to monitor the downgradient zone to comply with the well spacing requirements of 113.10(2)e(2).

Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

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

*Organic Compounds:*

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

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

*Inorganic constituents:*

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

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

## STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The prediction limit method was applied to the Boone County Landfill data using the DUMPStat<sup>®</sup> 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. As an alternative to nonparametric prediction limits, Poisson prediction limits can be used for small data sets where the detection frequency is less than 25%. Since there was limited background, Poisson prediction limits were previously computed for those rarely detected parameters. Since the Unified Guidance recommends nonparametric limits over Poisson limits, nonparametric limits were used for the current comparisons

**Results of the Interwell Statistics**

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW88-2, MW91-8, MW98-28, MW02-15A, and MW02-30A during the period from September 2014 through the current data. A summary of the background data from monitoring wells MW88-2, MW91-8, MW98-28, MW02-15A, and MW02-30A, 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-3, MW06-37, MW06-38, MW06-39, MW09-40, MW21-43, MW88-3, MW91-10, MW94-18, MW96-21, MW96-23, MW96-24, and MW98-25, 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 Exceedances detected during the Second Semi-Annual Monitoring Event in 2024**

| Well    | Trace Metal | Result, µg/L | Prediction Limit, µg/L | Prediction Limit Type | Verified/<br>Awaiting Verification |
|---------|-------------|--------------|------------------------|-----------------------|------------------------------------|
| GU-3    | Nickel      | 36.8         | 17.4000                | Nonparametric         | Awaiting Verification              |
| MW88-3  | Cadmium     | 5.6          | 2.4000                 | Nonparametric         | Awaiting Verification              |
| MW98-25 | Cobalt      | 11.0         | 7.0000                 | Nonparametric         | Verified                           |
|         | Nickel      | 26.5         | 17.4000                | Nonparametric         | Verified                           |

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. With the exception of barium, these constituents are rarely detected in the upgradient wells. With the detection frequencies being less than 50% for all but barium, nonparametric site prediction limits are used for those trace metals.

Table 4 summarizes the results of the Shapiro-Wilk test. The background barium data failed a normal distribution so barium uses a nonparametric site prediction limit. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 3 standard deviation unit increases over background.

The verified exceedances were evaluated against the GWPS using confidence limits. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit

is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCL for cobalt at MW98-25 (9.523 µg/L) exceeds the Iowa Statewide standard of 2.1 µg/L. The remainder of the calculated 95% LCLs for the verified trace metals are all below the respective ground water standards.

### 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 Boone County Landfill during the second semi-annual monitoring event in 2024 are summarized below.

#### VOCs detected during the Second Semi-Annual Monitoring Event in 2024

| Well    | VOC Detected                   | Result, µg/L | Reporting Limit, µg/L | Verified/<br>Awaiting Verification | Ground Water Standard |
|---------|--------------------------------|--------------|-----------------------|------------------------------------|-----------------------|
| GU-3    | Benzene                        | 6.0          | 1                     | Verified                           | 5 <sup>a</sup>        |
|         | Chlorobenzene                  | 1.3          | 1                     | Verified                           | 100 <sup>a</sup>      |
|         | Chloroethane                   | 1.1          | 1                     | Verified                           | 2800 <sup>b</sup>     |
|         | <i>cis</i> -1,2-Dichloroethene | 4.3          | 1                     | Verified                           | 70 <sup>a</sup>       |
|         | Vinyl chloride                 | 1.2          | 1                     | Verified                           | 2 <sup>a</sup>        |
| MW98-25 | 1,1-Dichloroethane             | 1.2          | 1                     | Verified                           | 140 <sup>b</sup>      |
|         | 1,4-Dichlorobenzene            | 1.8          | 1                     | Verified                           | 75 <sup>a</sup>       |
|         | Chlorobenzene                  | 1.0          | 1                     | Awaiting Verification              | 100 <sup>a</sup>      |
|         | Chloroethane                   | 1.0          | 1                     | Verified                           | 2800 <sup>b</sup>     |
|         | Chloromethane                  | 1.8          | 1                     | Awaiting Verification              |                       |
|         | <i>cis</i> -1,2-Dichloroethene | 2.0          | 1                     | Verified                           | 70 <sup>a</sup>       |

a - USEPA MCL  
b – Iowa Statewide Standard

Historical VOC detections are summarized in Attachment C.

Prior to the current data, GU-3 was last sampled for VOCs in September 2022. The verified VOC detections were evaluated against the GWPS using confidence limits (Attachment D). The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the 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 benzene at GU-3 (5.962 µg/L) exceeds the MCL of 5 µg/L. The 95% LCL for the remainder of the verified VOCs are all below the respective ground water standards.

## **CONCLUSIONS**

This report summarizes the statistical analyses used to evaluate the ground water data obtained during the second semi-annual monitoring event in 2024 at Boone County Sanitary Landfill. The ground water data obtained during the second semi-annual monitoring event in 2024 was compared to background using prediction limits. For the most current data, there is a verified site prediction limit exceedances detected for cobalt and nickel at MW98-25. There are verified detections of several VOCs at GU-3 and MW98-25. The 95% LCL for benzene at GU-3 exceeds the GWPS.

**Attachment A**

Summary of the Data obtained during the Second Semi-Annual Monitoring Event in 2024



Table 1

## Analytical Data Summary for 9/30/2024

| Constituents                | Units | GU-3  | MW02-15A | MW02-30A | MW06-37 | MW06-38 | MW06-39 | MW09-40 | MW21-43 | MW88-2 |
|-----------------------------|-------|-------|----------|----------|---------|---------|---------|---------|---------|--------|
| 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  | <1.0  | <1.0     | <1.0     | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0   |
| 1,1-dichloroethylene        | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     |
| 1,2,3-trichloropropane      | ug/L  | <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     |
| 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  | <1.0  | <1.0     | <1.0     | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0   |
| 2-butanone (mek)            | ug/L  | <10   | <10      | <10      | <10     | <10     | <10     | <10     | <10     | <10    |
| 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  | <4.0  | <4.0     | 41.0     | <4.0    | <4.0    | <4.0    | <4.0    | 9.8     | 19.3   |
| Barium, total               | ug/L  | 488.0 | 34.9     | 86.8     | 116.0   | 188.0   | 160.0   | 23.4    | 177.0   | 357.0  |
| Benzene                     | ug/L  | 6     | <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  | 1.3   | <1.0     | <1.0     | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0   |
| Chloroethane                | ug/L  | 1.1   | <1.0     | <1.0     | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0   |
| Chloroform                  | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     |
| Chloromethane               | ug/L  | <1.0  | <1.0     | <1.0     | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0   |
| 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  | 4.3   | <1.0     | <1.0     | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0   |
| Cis-1,3-dichloropropene     | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     |
| Cobalt, total               | ug/L  | <4    | .9       | <4       | <4      | <4      | <4      | <4      | .4      | <4     |
| 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     |
| Dichlorodifluoromethane     | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     |
| Ethylbenzene                | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     |
| Lead, total                 | ug/L  | <4.0  | <4.0     | <4.0     | <4.0    | <4.0    | <4.0    | <4.0    | <4.0    | <4.0   |
| Methyl iodide               | ug/L  | <1    | <1       | <1       | <1      | <1      | <1      | <1      | <1      | <1     |
| Methylene chloride          | ug/L  | <5    | <5       | <5       | <5      | <5      | <5      | <5      | <5      | <5     |
| Nickel, total               | ug/L  | 36.8  | 6.3      | <4.0     | <4.0    | <4.0    | <4.0    | <4.0    | 8.1     | <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     |
| 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  | <2    | <2       | <2       | <2      | <2      | <2      | <2      | <2      | <2     |
| 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  | 1.2   | <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     |
| Zinc, total                 | ug/L  | <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 1

Analytical Data Summary for 9/30/2024

| Constituents                | MW88-3 | MW91-10 | MW91-8 | MW94-18 | MW96-21 | MW96-23 | MW96-24 | MW98-25 | MW98-28 | PEC-3 |
|-----------------------------|--------|---------|--------|---------|---------|---------|---------|---------|---------|-------|
| 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          | <1.0   | <1.0    | <1.0   | <1.0    | <1.0    | <1.0    | <1.0    | 1.2     | <1.0    | <1.0  |
| 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    | 1.8     | <1.0    | <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    | <10     | <10    | <10     | <10     | <10     | <10     | <10     | <10     | <10   |
| Acrylonitrile               | <5     | <5      | <5     | <5      | <5      | <5      | <5      | <5      | <5      | <5    |
| Antimony, total             | <2     | <2      | <2     | <2      | <2      | <2      | <2      | <2      | <2      | <2    |
| Arsenic, total              | <4.0   | <4.0    | <4.0   | <4.0    | 27.0    | 39.2    | <4.0    | 6.6     | <4.0    | <4.0  |
| Barium, total               | 136.0  | 39.8    | 109.0  | 27.6    | 369.0   | 632.0   | 559.0   | 90.2    | 270.0   |       |
| Benzene                     | <1     | <1      | <1     | <1      | <1      | <1      | <1      | <1      | <1      | <1    |
| Beryllium, total            | <4     | <4      | <4     | <4      | <4      | <4      | <4      | <4      | <4      | <4    |
| 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              | 5.6    | <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               | <1.0   | <1.0    | <1.0   | <1.0    | <1.0    | <1.0    | <1.0    | 1.0     | <1.0    | <1.0  |
| Chloroethane                | <1.0   | <1.0    | <1.0   | <1.0    | <1.0    | <1.0    | <1.0    | 1.0     | <1.0    | <1.0  |
| Chloroform                  | <1     | <1      | <1     | <1      | <1      | <1      | <1      | <1      | <1      | <1    |
| Chloromethane               | <1.0   | <1.0    | <1.0   | <1.0    | <1.0    | <1.0    | <1.0    | 1.8     | <1.0    | <1.0  |
| Chromium, total             | <8.0   | <8.0    | <8.0   | <8.0    | 9.5     | <8.0    | <8.0    | <8.0    | <8.0    | <8.0  |
| Cis-1,2-dichloroethylene    | <1.0   | <1.0    | <1.0   | <1.0    | <1.0    | <1.0    | <1.0    | 2.0     | <1.0    | <1.0  |
| Cis-1,3-dichloropropene     | <1     | <1      | <1     | <1      | <1      | <1      | <1      | <1      | <1      | <1    |
| Cobalt, total               | <4     | <4      | <4     | <4      | 4.0     | <4      | <4      | 11.0    | 3.9     | <4    |
| Copper, total               | <4.0   | <4.0    | <4.0   | <4.0    | 11.4    | <4.0    | <4.0    | <4.0    | 4.8     | <4.0  |
| Dibromochloromethane        | <1     | <1      | <1     | <1      | <1      | <1      | <1      | <1      | <1      | <1    |
| Dibromomethane              | <1     | <1      | <1     | <1      | <1      | <1      | <1      | <1      | <1      | <1    |
| Dichlorodifluoromethane     |        |         |        |         |         |         |         |         |         |       |
| Ethylbenzene                | <1     | <1      | <1     | <1      | <1      | <1      | <1      | <1      | <1      | <1    |
| Lead, total                 | <4.0   | <4.0    | <4.0   | <4.0    | 6.2     | <4.0    | <4.0    | <4.0    | <4.0    | <4.0  |
| 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    | 11.3    | <4.0    | <4.0    | 26.5    | 10.1    | <4.0  |
| Selenium, total             | <4.0   | 4.4     | <4.0   | <4.0    | <4.0    | <4.0    | <4.0    | <4.0    | <4.0    | <4.0  |
| Silver, total               | <4     | <4      | <4     | <4      | <4      | <4      | <4      | <4      | <4      | <4    |
| 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     | <2      | <2     | <2      | <2      | <2      | <2      | <2      | <2      | <2    |
| 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              | <1.0   | <1.0    | <1.0   | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0  |
| Xylenes, total              | <2     | <2      | <2     | <2      | <2      | <2      | <2      | <2      | <2      | <2    |
| Zinc, total                 | <20.0  | <20.0   | <20.0  | <20.0   | 34.1    | <20.0   | <20.0   | <20.0   | <20.0   | <20.0 |

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

**Attachment B**

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

| Constituent      | Units | Well     | Date       |    | Result  | Adjusted |
|------------------|-------|----------|------------|----|---------|----------|
| Antimony, total  | ug/L  | MW02-15A | 09/18/2014 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 11/13/2014 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/17/2015 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 06/29/2015 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/11/2015 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/16/2016 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/08/2016 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/17/2017 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/19/2017 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/08/2018 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/24/2018 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/25/2019 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/03/2019 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/23/2020 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/04/2020 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/09/2021 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/07/2021 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/28/2022 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/14/2022 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/20/2023 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/12/2023 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 03/12/2024 | ND | 2.0000  |          |
| Antimony, total  | ug/L  | MW02-15A | 09/30/2024 | ND | 2.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/18/2014 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/09/2021 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000  |          |
| Arsenic, total   | ug/L  | MW02-15A | 09/30/2024 | ND | 4.0000  |          |
| Barium, total    | ug/L  | MW02-15A | 09/18/2014 |    | 33.4000 |          |
| Barium, total    | ug/L  | MW02-15A | 11/13/2014 |    | 33.1000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/17/2015 |    | 30.2000 |          |
| Barium, total    | ug/L  | MW02-15A | 06/29/2015 |    | 28.7000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/11/2015 |    | 34.8000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/16/2016 |    | 40.4000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/08/2016 |    | 44.8000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/17/2017 |    | 43.5000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/19/2017 |    | 36.0000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/08/2018 |    | 31.9000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/24/2018 |    | 32.2000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/25/2019 |    | 30.0000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/03/2019 |    | 30.4000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/23/2020 |    | 32.0000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/04/2020 |    | 40.0000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/09/2021 |    | 38.9000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/07/2021 |    | 75.3000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/28/2022 |    | 46.2000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/14/2022 |    | 39.2000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/20/2023 |    | 42.8000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/12/2023 |    | 35.9000 |          |
| Barium, total    | ug/L  | MW02-15A | 03/12/2024 |    | 38.9000 |          |
| Barium, total    | ug/L  | MW02-15A | 09/30/2024 |    | 34.9000 |          |
| Beryllium, total | ug/L  | MW02-15A | 09/18/2014 | ND | 4.0000  |          |
| Beryllium, total | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |
| Beryllium, total | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |
| Beryllium, total | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |
| Beryllium, total | ug/L  | MW02-15A | 09/11/2015 | 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  | MW02-15A | 03/16/2016 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/09/2021 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000 |          |   |
| Beryllium, total | ug/L  | MW02-15A | 09/30/2024 | ND | 4.0000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/18/2014 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 11/13/2014 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/17/2015 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 06/29/2015 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/11/2015 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/16/2016 |    | 3.6000 |          | * |
| Cadmium, total   | ug/L  | MW02-15A | 09/08/2016 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/17/2017 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/19/2017 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/08/2018 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/24/2018 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/25/2019 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/03/2019 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/23/2020 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/04/2020 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/09/2021 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/07/2021 |    | 0.9000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/28/2022 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/14/2022 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/20/2023 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/12/2023 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 03/12/2024 | ND | 0.8000 |          |   |
| Cadmium, total   | ug/L  | MW02-15A | 09/30/2024 | ND | 0.8000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/18/2014 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 11/13/2014 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/17/2015 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 06/29/2015 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/11/2015 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/16/2016 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/08/2016 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/17/2017 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/19/2017 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/08/2018 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/24/2018 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/25/2019 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/03/2019 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/23/2020 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/04/2020 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/09/2021 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/07/2021 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/28/2022 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/14/2022 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/20/2023 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/12/2023 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 03/12/2024 | ND | 8.0000 |          |   |
| Chromium, total  | ug/L  | MW02-15A | 09/30/2024 | ND | 8.0000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 09/18/2014 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 11/13/2014 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 03/17/2015 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 06/29/2015 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 09/11/2015 |    | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 03/16/2016 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 09/08/2016 |    | 1.4000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 03/17/2017 |    | 1.5000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 09/19/2017 | ND | 0.8000 |          |   |
| Cobalt, total    | ug/L  | MW02-15A | 03/08/2018 | ND | 0.8000 |          |   |

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

Table 1

Upgradient Data

| Constituent   | Units | Well     | Date       |    | Result  | Adjusted |   |
|---------------|-------|----------|------------|----|---------|----------|---|
| Cobalt, total | ug/L  | MW02-15A | 09/24/2018 | ND | 0.8000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 03/25/2019 | ND | 0.8000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 09/03/2019 |    | 0.9000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 03/23/2020 |    | 1.6000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 09/04/2020 |    | 2.8000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 03/09/2021 |    | 5.8000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 09/07/2021 |    | 5.7000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 03/28/2022 |    | 3.2000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 09/14/2022 |    | 6.2000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 03/20/2023 |    | 3.6000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 09/12/2023 |    | 1.1000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 03/12/2024 |    | 1.2000  |          |   |
| Cobalt, total | ug/L  | MW02-15A | 09/30/2024 |    | 0.9000  |          |   |
| Copper, total | ug/L  | MW02-15A | 09/18/2014 |    | 7.8000  |          |   |
| Copper, total | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 03/09/2021 |    | 26.0000 |          | * |
| Copper, total | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000  |          |   |
| Copper, total | ug/L  | MW02-15A | 09/30/2024 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 09/18/2014 |    | 22.3000 |          | * |
| Lead, total   | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 03/09/2021 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000  |          |   |
| Lead, total   | ug/L  | MW02-15A | 09/30/2024 | ND | 4.0000  |          |   |
| Nickel, total | ug/L  | MW02-15A | 09/18/2014 |    | 10.4000 |          |   |
| Nickel, total | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |   |
| Nickel, total | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |   |
| Nickel, total | ug/L  | MW02-15A | 06/29/2015 |    | 5.6000  |          |   |
| Nickel, total | ug/L  | MW02-15A | 09/11/2015 |    | 8.3000  |          |   |
| Nickel, total | ug/L  | MW02-15A | 03/16/2016 |    | 10.3000 |          |   |
| Nickel, total | ug/L  | MW02-15A | 09/08/2016 |    | 14.0000 |          |   |
| Nickel, total | ug/L  | MW02-15A | 03/17/2017 |    | 11.9000 |          |   |
| Nickel, total | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |   |
| Nickel, total | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |   |
| Nickel, total | ug/L  | MW02-15A | 09/24/2018 |    | 5.7000  |          |   |
| Nickel, total | ug/L  | MW02-15A | 03/25/2019 |    | 9.9000  |          |   |
| Nickel, total | ug/L  | MW02-15A | 09/03/2019 |    | 9.1000  |          |   |
| Nickel, total | ug/L  | MW02-15A | 03/23/2020 |    | 9.7000  |          |   |
| Nickel, total | ug/L  | MW02-15A | 09/04/2020 |    | 9.9000  |          |   |

\* - 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 |    |
|-----------------|-------|----------|------------|----|---------|----------|----|
| Nickel, total   | ug/L  | MW02-15A | 03/09/2021 |    | 9.6000  |          |    |
| Nickel, total   | ug/L  | MW02-15A | 09/07/2021 |    | 17.3000 |          |    |
| Nickel, total   | ug/L  | MW02-15A | 03/28/2022 |    | 11.3000 |          |    |
| Nickel, total   | ug/L  | MW02-15A | 09/14/2022 |    | 8.8000  |          |    |
| Nickel, total   | ug/L  | MW02-15A | 03/20/2023 |    | 9.8000  |          |    |
| Nickel, total   | ug/L  | MW02-15A | 09/12/2023 |    | 8.4000  |          |    |
| Nickel, total   | ug/L  | MW02-15A | 03/12/2024 |    | 6.6000  |          |    |
| Nickel, total   | ug/L  | MW02-15A | 09/30/2024 |    | 6.3000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/18/2014 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/09/2021 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-15A | 09/30/2024 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/18/2014 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/25/2019 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/03/2019 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/23/2020 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/04/2020 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/09/2021 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/07/2021 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/28/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/14/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/20/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/12/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 03/12/2024 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-15A | 09/30/2024 | ND | 4.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/18/2014 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 11/13/2014 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 03/17/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 06/29/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 09/11/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 03/16/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 09/08/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 03/17/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 09/19/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 03/08/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 09/24/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-15A | 03/25/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/03/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 03/23/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/04/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 03/09/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/07/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 03/28/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/14/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 03/20/2023 | 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 |    |
|-----------------|-------|----------|------------|----|---------|----------|----|
| Thallium, total | ug/L  | MW02-15A | 09/12/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 03/12/2024 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-15A | 09/30/2024 | ND | 2.0000  |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/18/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 11/13/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/17/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 06/29/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/11/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/16/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/08/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/17/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/19/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/08/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/24/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/25/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/03/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/23/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/04/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/09/2021 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/07/2021 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/28/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/14/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/20/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/12/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 03/12/2024 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW02-15A | 09/30/2024 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/18/2014 |    | 11.3000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 11/13/2014 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 03/17/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 06/29/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 09/11/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 03/16/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 09/08/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 03/17/2017 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 09/19/2017 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 03/08/2018 |    | 9.3000  |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/24/2018 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 03/25/2019 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 09/03/2019 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-15A | 03/23/2020 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/04/2020 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 03/09/2021 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/07/2021 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 03/28/2022 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/14/2022 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 03/20/2023 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/12/2023 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 03/12/2024 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW02-15A | 09/30/2024 | ND | 20.0000 |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/16/2016 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 06/07/2016 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/08/2016 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/17/2017 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/19/2017 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/08/2018 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/24/2018 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/25/2019 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/03/2019 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/23/2020 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/04/2020 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/09/2021 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/07/2021 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/28/2022 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/14/2022 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/20/2023 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/12/2023 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 03/12/2024 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW02-30A | 09/30/2024 | ND | 2.0000  |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/16/2016 |    | 43.9000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 06/07/2016 |    | 34.2000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 09/08/2016 |    | 37.5000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/17/2017 |    | 30.0000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 09/19/2017 |    | 24.3000 |          |    |
| Arsenic, total  | ug/L  | MW02-30A | 03/08/2018 |    | 25.7000 |          |    |

\* - 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 |
|------------------|-------|----------|------------|----|----------|----------|
| Arsenic, total   | ug/L  | MW02-30A | 09/24/2018 |    | 26.2000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 03/25/2019 |    | 30.9000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 09/03/2019 |    | 32.7000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 03/23/2020 |    | 29.1000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 09/04/2020 |    | 43.5000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 03/09/2021 |    | 27.6000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 09/07/2021 |    | 36.6000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 03/28/2022 |    | 34.4000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 09/14/2022 |    | 50.6000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 03/20/2023 |    | 50.1000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 09/12/2023 |    | 27.9000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 03/12/2024 |    | 44.3000  |          |
| Arsenic, total   | ug/L  | MW02-30A | 09/30/2024 |    | 41.0000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/16/2016 |    | 85.6000  |          |
| Barium, total    | ug/L  | MW02-30A | 06/07/2016 |    | 71.3000  |          |
| Barium, total    | ug/L  | MW02-30A | 09/08/2016 |    | 62.8000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/17/2017 |    | 35.6000  |          |
| Barium, total    | ug/L  | MW02-30A | 09/19/2017 |    | 77.3000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/08/2018 |    | 79.6000  |          |
| Barium, total    | ug/L  | MW02-30A | 09/24/2018 |    | 96.5000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/25/2019 |    | 131.0000 |          |
| Barium, total    | ug/L  | MW02-30A | 09/03/2019 |    | 91.8000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/23/2020 |    | 102.0000 |          |
| Barium, total    | ug/L  | MW02-30A | 09/04/2020 |    | 93.4000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/09/2021 |    | 81.5000  |          |
| Barium, total    | ug/L  | MW02-30A | 09/07/2021 |    | 88.2000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/28/2022 |    | 93.4000  |          |
| Barium, total    | ug/L  | MW02-30A | 09/14/2022 |    | 159.0000 |          |
| Barium, total    | ug/L  | MW02-30A | 03/20/2023 |    | 207.0000 |          |
| Barium, total    | ug/L  | MW02-30A | 09/12/2023 |    | 71.8000  |          |
| Barium, total    | ug/L  | MW02-30A | 03/12/2024 |    | 120.0000 |          |
| Barium, total    | ug/L  | MW02-30A | 09/30/2024 |    | 86.8000  |          |
| Beryllium, total | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/25/2019 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/23/2020 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/09/2021 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/14/2022 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/20/2023 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW02-30A | 09/30/2024 | ND | 4.0000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/16/2016 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 06/07/2016 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/08/2016 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/17/2017 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/19/2017 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/08/2018 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/24/2018 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/25/2019 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/03/2019 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/23/2020 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/04/2020 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/09/2021 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/07/2021 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/28/2022 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/14/2022 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/20/2023 | ND | 1.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/12/2023 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 03/12/2024 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW02-30A | 09/30/2024 | ND | 0.8000   |          |
| Chromium, total  | ug/L  | MW02-30A | 03/16/2016 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 06/07/2016 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 09/08/2016 | ND | 8.0000   |          |
| Chromium, total  | ug/L  | MW02-30A | 03/17/2017 | ND | 8.0000   |          |

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

Table 1

Upgradient Data

| Constituent     | Units | Well     | Date       |    | Result  | Adjusted |    |
|-----------------|-------|----------|------------|----|---------|----------|----|
| Chromium, total | ug/L  | MW02-30A | 09/19/2017 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 03/08/2018 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 09/24/2018 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 03/25/2019 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 09/03/2019 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 03/23/2020 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 09/04/2020 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 03/09/2021 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 09/07/2021 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 03/28/2022 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 09/14/2022 |    | 9.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 03/20/2023 |    | 10.6000 |          |    |
| Chromium, total | ug/L  | MW02-30A | 09/12/2023 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 03/12/2024 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW02-30A | 09/30/2024 | ND | 8.0000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 03/16/2016 |    | 1.0000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 06/07/2016 |    | 1.2000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/08/2016 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 03/17/2017 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/19/2017 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 03/08/2018 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/24/2018 |    | 1.8000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 03/25/2019 |    | 3.2000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/03/2019 |    | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 03/23/2020 |    | 2.3000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/04/2020 |    | 0.4000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 03/09/2021 |    | 1.5000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/07/2021 | ND | 0.4000  | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW02-30A | 03/28/2022 |    | 0.4000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/14/2022 |    | 7.0000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 03/20/2023 |    | 4.5000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/12/2023 | ND | 0.4000  | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW02-30A | 03/12/2024 |    | 0.6000  |          |    |
| Cobalt, total   | ug/L  | MW02-30A | 09/30/2024 | ND | 0.4000  | 0.8000   | ** |
| Copper, total   | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/24/2018 |    | 4.8000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/25/2019 |    | 13.5000 |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/23/2020 |    | 9.3000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/09/2021 |    | 9.4000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/14/2022 |    | 19.5000 |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/20/2023 |    | 18.3000 |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW02-30A | 09/30/2024 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/25/2019 |    | 8.9000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/23/2020 |    | 7.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/09/2021 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/14/2022 |    | 14.8000 |          | *  |
| Lead, total     | ug/L  | MW02-30A | 03/20/2023 |    | 22.3000 |          | *  |
| Lead, total     | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW02-30A | 09/30/2024 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 06/07/2016 | 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 |    |
|-----------------|-------|----------|------------|----|---------|----------|----|
| Nickel, total   | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/25/2019 |    | 9.4000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/23/2020 |    | 7.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/09/2021 |    | 4.3000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/14/2022 |    | 12.4000 |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/20/2023 |    | 12.9000 |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000  |          |    |
| Nickel, total   | ug/L  | MW02-30A | 09/30/2024 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/25/2019 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/23/2020 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/09/2021 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/14/2022 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/20/2023 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000  |          |    |
| Selenium, total | ug/L  | MW02-30A | 09/30/2024 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/25/2019 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/03/2019 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/23/2020 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/04/2020 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/09/2021 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/07/2021 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/28/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/14/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/20/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/12/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 03/12/2024 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW02-30A | 09/30/2024 | ND | 4.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/16/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 06/07/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 09/08/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 03/17/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 09/19/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 03/08/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 09/24/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW02-30A | 03/25/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 09/03/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/23/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 09/04/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/09/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 09/07/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/28/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 09/14/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/20/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 09/12/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 03/12/2024 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW02-30A | 09/30/2024 | 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 |    |
|-----------------|-------|----------|------------|----|----------|----------|----|
| Vanadium, total | ug/L  | MW02-30A | 03/16/2016 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 06/07/2016 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/08/2016 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/17/2017 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/19/2017 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/08/2018 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/24/2018 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/25/2019 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/03/2019 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/23/2020 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/04/2020 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/09/2021 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/07/2021 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/28/2022 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/14/2022 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/20/2023 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/12/2023 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 03/12/2024 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW02-30A | 09/30/2024 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/16/2016 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-30A | 06/07/2016 |    | 8.7000   |          |    |
| Zinc, total     | ug/L  | MW02-30A | 09/08/2016 |    | 9.9000   |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/17/2017 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-30A | 09/19/2017 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-30A | 03/08/2018 | ND | 8.0000   | 20.0000  | ** |
| Zinc, total     | ug/L  | MW02-30A | 09/24/2018 |    | 12.9000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/25/2019 |    | 59.9000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 09/03/2019 |    | 16.3000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/23/2020 |    | 28.5000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 09/04/2020 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/09/2021 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 09/07/2021 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/28/2022 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 09/14/2022 |    | 52.8000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/20/2023 |    | 144.0000 |          |    |
| Zinc, total     | ug/L  | MW02-30A | 09/12/2023 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 03/12/2024 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW02-30A | 09/30/2024 | ND | 20.0000  |          |    |
| Antimony, total | ug/L  | MW88-2   | 09/18/2014 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 11/13/2014 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 03/17/2015 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 06/29/2015 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 09/11/2015 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 03/16/2016 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 09/08/2016 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 03/17/2017 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 09/19/2017 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 03/08/2018 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 09/24/2018 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 03/25/2019 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 09/03/2019 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 03/23/2020 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 09/04/2020 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 03/09/2021 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 03/28/2022 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 09/14/2022 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 03/20/2023 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 09/12/2023 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 03/12/2024 | ND | 2.0000   |          |    |
| Antimony, total | ug/L  | MW88-2   | 09/30/2024 | ND | 2.0000   |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 09/18/2014 |    | 16.1000  |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 11/13/2014 |    | 7.4000   |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 03/17/2015 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 06/29/2015 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 09/11/2015 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 03/16/2016 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 09/08/2016 |    | 6.6000   |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 03/17/2017 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 09/19/2017 | ND | 4.0000   |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 03/08/2018 |    | 6.1000   |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 09/24/2018 |    | 24.3000  |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 03/25/2019 |    | 11.0000  |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 09/03/2019 |    | 10.6000  |          |    |
| Arsenic, total  | ug/L  | MW88-2   | 03/23/2020 | 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 |
|------------------|-------|--------|------------|----|----------|----------|
| Arsenic, total   | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2 | 03/09/2021 |    | 10.4000  |          |
| Arsenic, total   | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW88-2 | 09/12/2023 |    | 5.1000   |          |
| Arsenic, total   | ug/L  | MW88-2 | 03/12/2024 |    | 12.7000  |          |
| Arsenic, total   | ug/L  | MW88-2 | 09/30/2024 |    | 19.3000  |          |
| Barium, total    | ug/L  | MW88-2 | 09/18/2014 |    | 661.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 11/13/2014 |    | 751.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 03/17/2015 |    | 595.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 06/29/2015 |    | 451.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 09/11/2015 |    | 296.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 03/16/2016 |    | 95.8000  |          |
| Barium, total    | ug/L  | MW88-2 | 09/08/2016 |    | 411.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 03/17/2017 |    | 179.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 09/19/2017 |    | 684.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 03/08/2018 |    | 632.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 09/24/2018 |    | 371.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 03/25/2019 |    | 273.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 09/03/2019 |    | 97.7000  |          |
| Barium, total    | ug/L  | MW88-2 | 03/23/2020 |    | 75.7000  |          |
| Barium, total    | ug/L  | MW88-2 | 09/04/2020 |    | 623.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 03/09/2021 |    | 874.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 03/28/2022 |    | 274.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 09/14/2022 |    | 376.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 03/20/2023 |    | 152.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 09/12/2023 |    | 287.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 03/12/2024 |    | 270.0000 |          |
| Barium, total    | ug/L  | MW88-2 | 09/30/2024 |    | 357.0000 |          |
| Beryllium, total | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 03/25/2019 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 09/03/2019 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 03/09/2021 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW88-2 | 09/30/2024 | ND | 4.0000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 09/18/2014 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 11/13/2014 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 03/17/2015 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 06/29/2015 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 09/11/2015 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 03/16/2016 |    | 4.6000   | *        |
| Cadmium, total   | ug/L  | MW88-2 | 09/08/2016 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 03/17/2017 |    | 1.1000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 09/19/2017 |    | 2.5000   | *        |
| Cadmium, total   | ug/L  | MW88-2 | 03/08/2018 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 09/24/2018 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 03/25/2019 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 09/03/2019 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 03/23/2020 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 09/04/2020 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 03/09/2021 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 03/28/2022 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 09/14/2022 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 03/20/2023 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 09/12/2023 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 03/12/2024 | ND | 0.8000   |          |
| Cadmium, total   | ug/L  | MW88-2 | 09/30/2024 | 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 |    |
|-----------------|-------|--------|------------|----|---------|----------|----|
| Chromium, total | ug/L  | MW88-2 | 09/18/2014 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 11/13/2014 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 03/17/2015 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 06/29/2015 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 09/11/2015 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 03/16/2016 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 09/08/2016 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 03/17/2017 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 09/19/2017 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 03/08/2018 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 09/24/2018 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 03/25/2019 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 09/03/2019 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 03/23/2020 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 09/04/2020 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 03/09/2021 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 03/28/2022 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 09/14/2022 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 03/20/2023 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 09/12/2023 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 03/12/2024 | ND | 8.0000  |          |    |
| Chromium, total | ug/L  | MW88-2 | 09/30/2024 | ND | 8.0000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/18/2014 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 11/13/2014 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 03/17/2015 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 06/29/2015 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/11/2015 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 03/16/2016 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/08/2016 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 03/17/2017 |    | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/19/2017 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 03/08/2018 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/24/2018 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 03/25/2019 |    | 1.0000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/03/2019 |    | 1.5000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 03/23/2020 | ND | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/04/2020 | ND | 0.4000  | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW88-2 | 03/09/2021 | ND | 0.4000  | 0.8000   | ** |
| Cobalt, total   | ug/L  | MW88-2 | 03/28/2022 |    | 0.9000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/14/2022 |    | 2.6000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 03/20/2023 |    | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/12/2023 |    | 0.4000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 03/12/2024 |    | 0.8000  |          |    |
| Cobalt, total   | ug/L  | MW88-2 | 09/30/2024 | ND | 0.4000  | 0.8000   | ** |
| Copper, total   | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/19/2017 |    | 9.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/25/2019 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/03/2019 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/09/2021 |    | 33.6000 |          | *  |
| Copper, total   | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000  |          |    |
| Copper, total   | ug/L  | MW88-2 | 09/30/2024 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000  |          |    |
| Lead, total     | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000  |          |    |

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

Table 1

Upgradient Data

| Constituent     | Units | Well   | Date       |    | Result | Adjusted |
|-----------------|-------|--------|------------|----|--------|----------|
| Lead, total     | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 03/25/2019 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 09/03/2019 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 03/09/2021 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000 |          |
| Lead, total     | ug/L  | MW88-2 | 09/30/2024 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 03/16/2016 |    | 5.1000 |          |
| Nickel, total   | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 03/25/2019 |    | 4.6000 |          |
| Nickel, total   | ug/L  | MW88-2 | 09/03/2019 |    | 8.1000 |          |
| Nickel, total   | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 03/09/2021 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000 |          |
| Nickel, total   | ug/L  | MW88-2 | 09/30/2024 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 03/25/2019 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 09/03/2019 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 03/09/2021 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000 |          |
| Selenium, total | ug/L  | MW88-2 | 09/30/2024 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 03/25/2019 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 09/03/2019 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 03/23/2020 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 09/04/2020 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 03/09/2021 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000 |          |
| Silver, total   | ug/L  | MW88-2 | 09/30/2024 | 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 |    |
|-----------------|-------|--------|------------|----|---------|----------|----|
| Silver, total   | ug/L  | MW88-2 | 03/28/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/14/2022 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/20/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/12/2023 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 03/12/2024 | ND | 4.0000  |          |    |
| Silver, total   | ug/L  | MW88-2 | 09/30/2024 | ND | 4.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 09/18/2014 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 11/13/2014 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 03/17/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 06/29/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 09/11/2015 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 03/16/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 09/08/2016 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 03/17/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 09/19/2017 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 03/08/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 09/24/2018 | ND | 4.0000  | 2.0000   | ** |
| Thallium, total | ug/L  | MW88-2 | 03/25/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 09/03/2019 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 03/23/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 09/04/2020 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 03/09/2021 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 03/28/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 09/14/2022 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 03/20/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 09/12/2023 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 03/12/2024 | ND | 2.0000  |          |    |
| Thallium, total | ug/L  | MW88-2 | 09/30/2024 | ND | 2.0000  |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/18/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 11/13/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/17/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 06/29/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/11/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/16/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/08/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/17/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/19/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/08/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/24/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/25/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/03/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/23/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/04/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/09/2021 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/28/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/14/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/20/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/12/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 03/12/2024 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW88-2 | 09/30/2024 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 09/18/2014 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 11/13/2014 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/17/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 06/29/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 09/11/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 03/16/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 09/08/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 03/17/2017 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 09/19/2017 |    | 13.1000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/08/2018 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 09/24/2018 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW88-2 | 03/25/2019 |    | 39.1000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 09/03/2019 |    | 23.6000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/23/2020 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 09/04/2020 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/09/2021 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/28/2022 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 09/14/2022 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/20/2023 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 09/12/2023 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 03/12/2024 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW88-2 | 09/30/2024 | ND | 20.0000 |          |    |
| Antimony, total | ug/L  | MW91-8 | 09/19/2014 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW91-8 | 11/13/2014 | 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  | MW91-8 | 03/17/2015 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 06/29/2015 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 09/11/2015 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 03/16/2016 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 09/08/2016 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 03/17/2017 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 09/19/2017 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 03/08/2018 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 09/24/2018 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 03/25/2019 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 09/03/2019 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 03/23/2020 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 09/04/2020 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 03/09/2021 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 09/07/2021 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 03/28/2022 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 09/14/2022 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 03/20/2023 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 09/13/2023 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 03/12/2024 | ND | 2.0000   |          |
| Antimony, total  | ug/L  | MW91-8 | 09/30/2024 | ND | 2.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 09/07/2021 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000   |          |
| Arsenic, total   | ug/L  | MW91-8 | 09/30/2024 | ND | 4.0000   |          |
| Barium, total    | ug/L  | MW91-8 | 09/19/2014 |    | 84.7000  |          |
| Barium, total    | ug/L  | MW91-8 | 11/13/2014 |    | 106.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/17/2015 |    | 102.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 06/29/2015 |    | 97.8000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/11/2015 |    | 104.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/16/2016 |    | 103.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 09/08/2016 |    | 147.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/17/2017 |    | 93.5000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/19/2017 |    | 108.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/08/2018 |    | 96.0000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/24/2018 |    | 96.9000  |          |
| Barium, total    | ug/L  | MW91-8 | 03/25/2019 |    | 88.4000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/03/2019 |    | 103.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/23/2020 |    | 92.9000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/04/2020 |    | 95.3000  |          |
| Barium, total    | ug/L  | MW91-8 | 03/09/2021 |    | 90.7000  |          |
| Barium, total    | ug/L  | MW91-8 | 09/07/2021 |    | 118.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/28/2022 |    | 101.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 09/14/2022 |    | 125.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/20/2023 |    | 109.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 09/13/2023 |    | 123.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 03/12/2024 |    | 107.0000 |          |
| Barium, total    | ug/L  | MW91-8 | 09/30/2024 |    | 109.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000   |          |
| Beryllium, total | ug/L  | MW91-8 | 09/08/2016 | 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 |
|------------------|-------|--------|------------|----|--------|----------|
| Beryllium, total | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 09/07/2021 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |
| Beryllium, total | ug/L  | MW91-8 | 09/30/2024 | ND | 4.0000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/19/2014 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 11/13/2014 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/17/2015 |    | 2.3000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 06/29/2015 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/11/2015 |    | 2.4000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/16/2016 |    | 1.4000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/08/2016 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/17/2017 |    | 1.3000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/19/2017 |    | 2.2000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/08/2018 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/24/2018 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/25/2019 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/03/2019 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/23/2020 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/04/2020 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/09/2021 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/07/2021 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/28/2022 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/14/2022 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/20/2023 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/13/2023 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 03/12/2024 | ND | 0.8000 |          |
| Cadmium, total   | ug/L  | MW91-8 | 09/30/2024 | ND | 0.8000 |          |
| Chromium, total  | ug/L  | MW91-8 | 09/19/2014 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 11/13/2014 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 03/17/2015 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 06/29/2015 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 09/11/2015 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 03/16/2016 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 09/08/2016 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 03/17/2017 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 09/19/2017 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 03/08/2018 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 09/24/2018 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 03/25/2019 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 09/03/2019 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 03/23/2020 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 09/04/2020 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 03/09/2021 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 09/07/2021 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 03/28/2022 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 09/14/2022 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 03/20/2023 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 09/13/2023 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 03/12/2024 | ND | 8.0000 |          |
| Chromium, total  | ug/L  | MW91-8 | 09/30/2024 | ND | 8.0000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 09/19/2014 | ND | 0.8000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 11/13/2014 | ND | 0.8000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 03/17/2015 | ND | 0.8000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 06/29/2015 | ND | 0.8000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 09/11/2015 | ND | 0.8000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 03/16/2016 | ND | 0.8000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 09/08/2016 | ND | 0.8000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 03/17/2017 | ND | 0.8000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 09/19/2017 | ND | 0.8000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 03/08/2018 | ND | 0.8000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 09/24/2018 | ND | 0.8000 |          |
| Cobalt, total    | ug/L  | MW91-8 | 03/25/2019 | ND | 0.8000 |          |

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

Table 1

Upgradient Data

| Constituent   | Units | Well   | Date       |    | Result | Adjusted |    |
|---------------|-------|--------|------------|----|--------|----------|----|
| Cobalt, total | ug/L  | MW91-8 | 09/03/2019 | ND | 0.8000 |          |    |
| Cobalt, total | ug/L  | MW91-8 | 03/23/2020 | ND | 0.8000 |          |    |
| Cobalt, total | ug/L  | MW91-8 | 09/04/2020 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total | ug/L  | MW91-8 | 03/09/2021 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total | ug/L  | MW91-8 | 09/07/2021 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total | ug/L  | MW91-8 | 03/28/2022 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total | ug/L  | MW91-8 | 09/14/2022 |    | 2.7000 |          | *  |
| Cobalt, total | ug/L  | MW91-8 | 03/20/2023 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total | ug/L  | MW91-8 | 09/13/2023 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total | ug/L  | MW91-8 | 03/12/2024 | ND | 0.4000 | 0.8000   | ** |
| Cobalt, total | ug/L  | MW91-8 | 09/30/2024 | ND | 0.4000 | 0.8000   | ** |
| Copper, total | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 09/07/2021 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |    |
| Copper, total | ug/L  | MW91-8 | 09/30/2024 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 09/07/2021 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |    |
| Lead, total   | ug/L  | MW91-8 | 09/30/2024 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 09/07/2021 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |    |
| Nickel, total | ug/L  | MW91-8 | 09/30/2024 | 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 |    |
|-----------------|-------|--------|------------|----|--------|----------|----|
| Nickel, total   | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |    |
| Nickel, total   | ug/L  | MW91-8 | 09/30/2024 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/19/2014 |    | 5.1000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/07/2021 |    | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |    |
| Selenium, total | ug/L  | MW91-8 | 09/30/2024 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/25/2019 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/03/2019 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/23/2020 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/04/2020 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/09/2021 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/07/2021 |    | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/28/2022 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/14/2022 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/20/2023 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/13/2023 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 03/12/2024 | ND | 4.0000 |          |    |
| Silver, total   | ug/L  | MW91-8 | 09/30/2024 | ND | 4.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 09/19/2014 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 11/13/2014 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 03/17/2015 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 06/29/2015 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 09/11/2015 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 03/16/2016 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 09/08/2016 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 03/17/2017 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 09/19/2017 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 03/08/2018 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 09/24/2018 | ND | 4.0000 | 2.0000   | ** |
| Thallium, total | ug/L  | MW91-8 | 03/25/2019 | ND | 2.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 09/03/2019 | ND | 2.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 03/23/2020 | ND | 2.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 09/04/2020 | ND | 2.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 03/09/2021 | ND | 2.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 09/07/2021 | ND | 2.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 03/28/2022 | ND | 2.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 09/14/2022 | ND | 2.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 03/20/2023 | ND | 2.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 09/13/2023 | ND | 2.0000 |          |    |
| Thallium, total | ug/L  | MW91-8 | 03/12/2024 | ND | 2.0000 |          |    |

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

Table 1

Upgradient Data

| Constituent     | Units | Well    | Date       |    | Result  | Adjusted |    |
|-----------------|-------|---------|------------|----|---------|----------|----|
| Thallium, total | ug/L  | MW91-8  | 09/30/2024 | ND | 2.0000  |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/19/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 11/13/2014 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/17/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 06/29/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/11/2015 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/16/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/08/2016 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/17/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/19/2017 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/08/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/24/2018 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/25/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/03/2019 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/23/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/04/2020 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/09/2021 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/07/2021 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/28/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/14/2022 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/20/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/13/2023 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 03/12/2024 | ND | 20.0000 |          |    |
| Vanadium, total | ug/L  | MW91-8  | 09/30/2024 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/19/2014 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 11/13/2014 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 03/17/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 06/29/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 09/11/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 03/16/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 09/08/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 03/17/2017 |    | 8.7000  |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/19/2017 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 03/08/2018 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 09/24/2018 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 03/25/2019 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 09/03/2019 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total     | ug/L  | MW91-8  | 03/23/2020 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/04/2020 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 03/09/2021 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/07/2021 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 03/28/2022 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/14/2022 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 03/20/2023 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/13/2023 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 03/12/2024 | ND | 20.0000 |          |    |
| Zinc, total     | ug/L  | MW91-8  | 09/30/2024 | ND | 20.0000 |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/18/2014 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 11/13/2014 |    | 2.5000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/17/2015 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 06/29/2015 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/11/2015 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/16/2016 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/08/2016 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/17/2017 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/19/2017 |    | 4.5000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/08/2018 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/24/2018 |    | 2.1000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/25/2019 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/03/2019 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/23/2020 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/04/2020 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/09/2021 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/07/2021 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/28/2022 |    | 2.3000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/14/2022 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/20/2023 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/12/2023 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 03/12/2024 | ND | 2.0000  |          |    |
| Antimony, total | ug/L  | MW98-28 | 09/30/2024 | ND | 2.0000  |          |    |
| Arsenic, total  | ug/L  | MW98-28 | 09/18/2014 |    | 18.9000 |          | *  |
| Arsenic, total  | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000  |          |    |
| Arsenic, total  | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000  |          |    |
| Arsenic, total  | ug/L  | MW98-28 | 06/29/2015 |    | 9.5000  |          |    |

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

Table 1

Upgradient Data

| Constituent      | Units | Well    | Date       |    | Result   | Adjusted |   |
|------------------|-------|---------|------------|----|----------|----------|---|
| Arsenic, total   | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/09/2021 |    | 8.2000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/28/2022 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/14/2022 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 03/12/2024 | ND | 4.0000   |          |   |
| Arsenic, total   | ug/L  | MW98-28 | 09/30/2024 | ND | 4.0000   |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/18/2014 |    | 536.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 11/13/2014 |    | 105.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/17/2015 |    | 98.0000  |          |   |
| Barium, total    | ug/L  | MW98-28 | 06/29/2015 |    | 305.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/11/2015 |    | 107.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/16/2016 |    | 109.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/08/2016 |    | 144.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/17/2017 |    | 125.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/19/2017 |    | 181.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/08/2018 |    | 172.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/24/2018 |    | 169.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/25/2019 |    | 113.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/03/2019 |    | 143.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/23/2020 |    | 119.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/04/2020 |    | 156.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/09/2021 |    | 341.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/07/2021 |    | 147.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/28/2022 |    | 254.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/14/2022 |    | 236.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/20/2023 |    | 226.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/12/2023 |    | 277.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 03/12/2024 |    | 246.0000 |          |   |
| Barium, total    | ug/L  | MW98-28 | 09/30/2024 |    | 270.0000 |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/18/2014 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 06/29/2015 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/09/2021 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/28/2022 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/14/2022 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 03/12/2024 | ND | 4.0000   |          |   |
| Beryllium, total | ug/L  | MW98-28 | 09/30/2024 | ND | 4.0000   |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/18/2014 |    | 11.8000  |          | * |
| Cadmium, total   | ug/L  | MW98-28 | 11/13/2014 | ND | 0.8000   |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/17/2015 | ND | 0.8000   |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 06/29/2015 |    | 1.1000   |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/11/2015 | ND | 0.8000   |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/16/2016 | ND | 0.8000   |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/08/2016 | ND | 0.8000   |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 03/17/2017 | ND | 0.8000   |          |   |
| Cadmium, total   | ug/L  | MW98-28 | 09/19/2017 | 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  | MW98-28 | 03/08/2018 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 09/24/2018 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 03/25/2019 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 09/03/2019 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 03/23/2020 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 09/04/2020 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 03/09/2021 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 09/07/2021 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 03/28/2022 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 09/14/2022 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 03/20/2023 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 09/12/2023 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 03/12/2024 | ND | 0.8000  |          |   |
| Cadmium, total  | ug/L  | MW98-28 | 09/30/2024 | ND | 0.8000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 09/18/2014 |    | 43.4000 |          | * |
| Chromium, total | ug/L  | MW98-28 | 11/13/2014 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 03/17/2015 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 06/29/2015 |    | 24.9000 |          | * |
| Chromium, total | ug/L  | MW98-28 | 09/11/2015 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 03/16/2016 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 09/08/2016 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 03/17/2017 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 09/19/2017 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 03/08/2018 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 09/24/2018 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 03/25/2019 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 09/03/2019 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 03/23/2020 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 09/04/2020 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 03/09/2021 |    | 18.6000 |          |   |
| Chromium, total | ug/L  | MW98-28 | 09/07/2021 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 03/28/2022 |    | 12.7000 |          |   |
| Chromium, total | ug/L  | MW98-28 | 09/14/2022 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 03/20/2023 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 09/12/2023 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 03/12/2024 | ND | 8.0000  |          |   |
| Chromium, total | ug/L  | MW98-28 | 09/30/2024 | ND | 8.0000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 09/18/2014 |    | 81.5000 |          | * |
| Cobalt, total   | ug/L  | MW98-28 | 11/13/2014 | ND | 0.8000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 03/17/2015 | ND | 0.8000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 06/29/2015 |    | 27.3000 |          | * |
| Cobalt, total   | ug/L  | MW98-28 | 09/11/2015 | ND | 0.8000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 03/16/2016 | ND | 0.8000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 09/08/2016 |    | 1.0000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 03/17/2017 | ND | 0.8000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 09/19/2017 |    | 4.4000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 03/08/2018 | ND | 0.8000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 09/24/2018 |    | 4.8000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 03/25/2019 |    | 0.9000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 09/03/2019 |    | 0.9000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 03/23/2020 |    | 1.6000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 09/04/2020 |    | 0.5000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 03/09/2021 |    | 19.1000 |          | * |
| Cobalt, total   | ug/L  | MW98-28 | 09/07/2021 |    | 0.4000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 03/28/2022 |    | 4.2000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 09/14/2022 |    | 4.4000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 03/20/2023 |    | 1.1000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 09/12/2023 |    | 1.6000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 03/12/2024 |    | 0.8000  |          |   |
| Cobalt, total   | ug/L  | MW98-28 | 09/30/2024 |    | 3.9000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/18/2014 |    | 97.9000 |          | * |
| Copper, total   | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 06/29/2015 |    | 29.9000 |          | * |
| Copper, total   | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/19/2017 |    | 5.4000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/24/2018 |    | 5.1000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000  |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000  |          |   |

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

Table 1

Upgradient Data

| Constituent     | Units | Well    | Date       |    | Result   | Adjusted |   |
|-----------------|-------|---------|------------|----|----------|----------|---|
| Copper, total   | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/09/2021 |    | 104.0000 |          | * |
| Copper, total   | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/28/2022 |    | 7.6000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/14/2022 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 03/12/2024 | ND | 4.0000   |          |   |
| Copper, total   | ug/L  | MW98-28 | 09/30/2024 |    | 4.8000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/18/2014 |    | 38.1000  |          | * |
| Lead, total     | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 06/29/2015 |    | 15.6000  |          | * |
| Lead, total     | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/09/2021 |    | 11.9000  |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/28/2022 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/14/2022 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 03/12/2024 | ND | 4.0000   |          |   |
| Lead, total     | ug/L  | MW98-28 | 09/30/2024 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/18/2014 |    | 105.0000 |          | * |
| Nickel, total   | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 06/29/2015 |    | 42.0000  |          | * |
| Nickel, total   | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/17/2017 |    | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/19/2017 |    | 10.2000  |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/24/2018 |    | 7.6000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/23/2020 |    | 6.3000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/09/2021 |    | 33.6000  |          | * |
| Nickel, total   | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/28/2022 |    | 17.4000  |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/14/2022 |    | 4.8000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/20/2023 |    | 6.6000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/12/2023 |    | 8.2000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 03/12/2024 |    | 5.8000   |          |   |
| Nickel, total   | ug/L  | MW98-28 | 09/30/2024 |    | 10.1000  |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/18/2014 |    | 9.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 06/29/2015 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/09/2021 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 03/28/2022 | ND | 4.0000   |          |   |
| Selenium, total | ug/L  | MW98-28 | 09/14/2022 | 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 |    |
|-----------------|-------|---------|------------|----|----------|----------|----|
| Selenium, total | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |    |
| Selenium, total | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |    |
| Selenium, total | ug/L  | MW98-28 | 03/12/2024 | ND | 4.0000   |          |    |
| Selenium, total | ug/L  | MW98-28 | 09/30/2024 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/18/2014 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 06/29/2015 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/25/2019 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/03/2019 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/23/2020 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/04/2020 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/09/2021 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/07/2021 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/28/2022 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/14/2022 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/20/2023 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/12/2023 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 03/12/2024 | ND | 4.0000   |          |    |
| Silver, total   | ug/L  | MW98-28 | 09/30/2024 | ND | 4.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/18/2014 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 11/13/2014 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 03/17/2015 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 06/29/2015 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 09/11/2015 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 03/16/2016 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 09/08/2016 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 03/17/2017 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 09/19/2017 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 03/08/2018 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 09/24/2018 | ND | 4.0000   | 2.0000   | ** |
| Thallium, total | ug/L  | MW98-28 | 03/25/2019 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/03/2019 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 03/23/2020 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/04/2020 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 03/09/2021 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/07/2021 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 03/28/2022 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/14/2022 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 03/20/2023 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/12/2023 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 03/12/2024 | ND | 2.0000   |          |    |
| Thallium, total | ug/L  | MW98-28 | 09/30/2024 | ND | 2.0000   |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/18/2014 |    | 87.6000  |          | *  |
| Vanadium, total | ug/L  | MW98-28 | 11/13/2014 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/17/2015 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 06/29/2015 |    | 40.6000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/11/2015 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/16/2016 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/08/2016 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/17/2017 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/19/2017 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/08/2018 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/24/2018 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/25/2019 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/03/2019 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/23/2020 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/04/2020 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/09/2021 |    | 29.2000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/07/2021 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/28/2022 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/14/2022 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/20/2023 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/12/2023 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 03/12/2024 | ND | 20.0000  |          |    |
| Vanadium, total | ug/L  | MW98-28 | 09/30/2024 | ND | 20.0000  |          |    |
| Zinc, total     | ug/L  | MW98-28 | 09/18/2014 |    | 127.0000 |          | *  |

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

Table 1

## Upgradient Data

| Constituent | Units | Well    | Date       |    | Result  | Adjusted |    |
|-------------|-------|---------|------------|----|---------|----------|----|
| Zinc, total | ug/L  | MW98-28 | 11/13/2014 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/17/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 06/29/2015 |    | 59.4000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 09/11/2015 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 03/16/2016 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 09/08/2016 |    | 8.2000  |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/17/2017 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 09/19/2017 |    | 11.1000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/08/2018 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 09/24/2018 |    | 13.2000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/25/2019 | ND | 8.0000  | 20.0000  | ** |
| Zinc, total | ug/L  | MW98-28 | 09/03/2019 |    | 10.6000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/23/2020 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 09/04/2020 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/09/2021 |    | 37.6000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 09/07/2021 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/28/2022 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 09/14/2022 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/20/2023 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 09/12/2023 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 03/12/2024 | ND | 20.0000 |          |    |
| Zinc, total | ug/L  | MW98-28 | 09/30/2024 | ND | 20.0000 |          |    |

\* - Outlier for that well and constituent.

\*\* - ND value replaced with median RL.

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

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

| Constituent      | Units | Well    | Date       |    | Result   | Pred. Limit |
|------------------|-------|---------|------------|----|----------|-------------|
| Antimony, total  | ug/L  | GU-3    | 09/30/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | GU-3    | 09/30/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | GU-3    | 09/30/2024 |    | 488.0000 | 874.0000    |
| Beryllium, total | ug/L  | GU-3    | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | GU-3    | 09/30/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | GU-3    | 09/30/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | GU-3    | 09/30/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | GU-3    | 09/30/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | GU-3    | 09/30/2024 | ND | 4.0000   | 11.9000     |
| Nickel, total    | ug/L  | GU-3    | 09/30/2024 |    | 36.8000  | 17.4000     |
| Selenium, total  | ug/L  | GU-3    | 09/30/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | GU-3    | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | GU-3    | 09/30/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | GU-3    | 09/30/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | GU-3    | 09/30/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW06-37 | 09/30/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW06-37 | 09/30/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW06-37 | 09/30/2024 |    | 116.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW06-37 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW06-37 | 09/30/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW06-37 | 09/30/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW06-37 | 09/30/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW06-37 | 09/30/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW06-37 | 09/30/2024 | ND | 4.0000   | 11.9000     |
| Nickel, total    | ug/L  | MW06-37 | 09/30/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW06-37 | 09/30/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW06-37 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW06-37 | 09/30/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW06-37 | 09/30/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW06-37 | 09/30/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW06-38 | 09/30/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW06-38 | 09/30/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW06-38 | 09/30/2024 |    | 188.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW06-38 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW06-38 | 09/30/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW06-38 | 09/30/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW06-38 | 09/30/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW06-38 | 09/30/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW06-38 | 09/30/2024 | ND | 4.0000   | 11.9000     |
| Nickel, total    | ug/L  | MW06-38 | 09/30/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW06-38 | 09/30/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW06-38 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW06-38 | 09/30/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW06-38 | 09/30/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW06-38 | 09/30/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW06-39 | 09/30/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW06-39 | 09/30/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW06-39 | 09/30/2024 |    | 160.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW06-39 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW06-39 | 09/30/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW06-39 | 09/30/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW06-39 | 09/30/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW06-39 | 09/30/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW06-39 | 09/30/2024 | ND | 4.0000   | 11.9000     |
| Nickel, total    | ug/L  | MW06-39 | 09/30/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW06-39 | 09/30/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW06-39 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW06-39 | 09/30/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW06-39 | 09/30/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW06-39 | 09/30/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW09-40 | 09/30/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW09-40 | 09/30/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW09-40 | 09/30/2024 |    | 23.4000  | 874.0000    |
| Beryllium, total | ug/L  | MW09-40 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW09-40 | 09/30/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW09-40 | 09/30/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW09-40 | 09/30/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW09-40 | 09/30/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW09-40 | 09/30/2024 | ND | 4.0000   | 11.9000     |
| Nickel, total    | ug/L  | MW09-40 | 09/30/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW09-40 | 09/30/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW09-40 | 09/30/2024 | ND | 4.0000   | 4.0000      |

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

Table 2

Most Current Downgradient Monitoring Data

| Constituent      | Units | Well    | Date       |    | Result   | Pred. Limit |
|------------------|-------|---------|------------|----|----------|-------------|
| Thallium, total  | ug/L  | MW09-40 | 09/30/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW09-40 | 09/30/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW09-40 | 09/30/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW21-43 | 09/30/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW21-43 | 09/30/2024 |    | 9.8000   | 50.6000     |
| Barium, total    | ug/L  | MW21-43 | 09/30/2024 |    | 177.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW21-43 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW21-43 | 09/30/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW21-43 | 09/30/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW21-43 | 09/30/2024 |    | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW21-43 | 09/30/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW21-43 | 09/30/2024 | ND | 4.0000   | 11.9000     |
| Nickel, total    | ug/L  | MW21-43 | 09/30/2024 |    | 8.1000   | 17.4000     |
| Selenium, total  | ug/L  | MW21-43 | 09/30/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW21-43 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW21-43 | 09/30/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW21-43 | 09/30/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW21-43 | 09/30/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW88-3  | 09/30/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW88-3  | 09/30/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW88-3  | 09/30/2024 |    | 136.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW88-3  | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW88-3  | 09/30/2024 |    | 5.6000 * | 2.4000      |
| Chromium, total  | ug/L  | MW88-3  | 09/30/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW88-3  | 09/30/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW88-3  | 09/30/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW88-3  | 09/30/2024 | ND | 4.0000   | 11.9000     |
| Nickel, total    | ug/L  | MW88-3  | 09/30/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW88-3  | 09/30/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW88-3  | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW88-3  | 09/30/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW88-3  | 09/30/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW88-3  | 09/30/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW91-10 | 09/30/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW91-10 | 09/30/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW91-10 | 09/30/2024 |    | 39.8000  | 874.0000    |
| Beryllium, total | ug/L  | MW91-10 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW91-10 | 09/30/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW91-10 | 09/30/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW91-10 | 09/30/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW91-10 | 09/30/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW91-10 | 09/30/2024 | ND | 4.0000   | 11.9000     |
| Nickel, total    | ug/L  | MW91-10 | 09/30/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW91-10 | 09/30/2024 |    | 4.4000   | 9.0000      |
| Silver, total    | ug/L  | MW91-10 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW91-10 | 09/30/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW91-10 | 09/30/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW91-10 | 09/30/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW94-18 | 09/30/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW94-18 | 09/30/2024 | ND | 4.0000   | 50.6000     |
| Barium, total    | ug/L  | MW94-18 | 09/30/2024 |    | 27.6000  | 874.0000    |
| Beryllium, total | ug/L  | MW94-18 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW94-18 | 09/30/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW94-18 | 09/30/2024 | ND | 8.0000   | 18.6000     |
| Cobalt, total    | ug/L  | MW94-18 | 09/30/2024 | ND | 0.4000   | 7.0000      |
| Copper, total    | ug/L  | MW94-18 | 09/30/2024 | ND | 4.0000   | 19.5000     |
| Lead, total      | ug/L  | MW94-18 | 09/30/2024 | ND | 4.0000   | 11.9000     |
| Nickel, total    | ug/L  | MW94-18 | 09/30/2024 | ND | 4.0000   | 17.4000     |
| Selenium, total  | ug/L  | MW94-18 | 09/30/2024 | ND | 4.0000   | 9.0000      |
| Silver, total    | ug/L  | MW94-18 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Thallium, total  | ug/L  | MW94-18 | 09/30/2024 | ND | 2.0000   | 2.0000      |
| Vanadium, total  | ug/L  | MW94-18 | 09/30/2024 | ND | 20.0000  | 40.6000     |
| Zinc, total      | ug/L  | MW94-18 | 09/30/2024 | ND | 20.0000  | 144.0000    |
| Antimony, total  | ug/L  | MW96-21 | 09/30/2024 | ND | 2.0000   | 4.5000      |
| Arsenic, total   | ug/L  | MW96-21 | 09/30/2024 |    | 27.0000  | 50.6000     |
| Barium, total    | ug/L  | MW96-21 | 09/30/2024 |    | 369.0000 | 874.0000    |
| Beryllium, total | ug/L  | MW96-21 | 09/30/2024 | ND | 4.0000   | 4.0000      |
| Cadmium, total   | ug/L  | MW96-21 | 09/30/2024 | ND | 0.8000   | 2.4000      |
| Chromium, total  | ug/L  | MW96-21 | 09/30/2024 |    | 9.5000   | 18.6000     |
| Cobalt, total    | ug/L  | MW96-21 | 09/30/2024 |    | 4.0000   | 7.0000      |
| Copper, total    | ug/L  | MW96-21 | 09/30/2024 |    | 11.4000  | 19.5000     |
| Lead, total      | ug/L  | MW96-21 | 09/30/2024 |    | 6.2000   | 11.9000     |

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

Table 2

Most Current Downgradient Monitoring Data

| Constituent      | Units | Well    | Date       |    | Result   |     | Pred. Limit |
|------------------|-------|---------|------------|----|----------|-----|-------------|
| Nickel, total    | ug/L  | MW96-21 | 09/30/2024 |    | 11.3000  |     | 17.4000     |
| Selenium, total  | ug/L  | MW96-21 | 09/30/2024 | ND | 4.0000   |     | 9.0000      |
| Silver, total    | ug/L  | MW96-21 | 09/30/2024 | ND | 4.0000   |     | 4.0000      |
| Thallium, total  | ug/L  | MW96-21 | 09/30/2024 | ND | 2.0000   |     | 2.0000      |
| Vanadium, total  | ug/L  | MW96-21 | 09/30/2024 | ND | 20.0000  |     | 40.6000     |
| Zinc, total      | ug/L  | MW96-21 | 09/30/2024 |    | 34.1000  |     | 144.0000    |
| Antimony, total  | ug/L  | MW96-23 | 09/30/2024 | ND | 2.0000   |     | 4.5000      |
| Arsenic, total   | ug/L  | MW96-23 | 09/30/2024 |    | 39.2000  |     | 50.6000     |
| Barium, total    | ug/L  | MW96-23 | 09/30/2024 |    | 632.0000 |     | 874.0000    |
| Beryllium, total | ug/L  | MW96-23 | 09/30/2024 | ND | 4.0000   |     | 4.0000      |
| Cadmium, total   | ug/L  | MW96-23 | 09/30/2024 | ND | 0.8000   |     | 2.4000      |
| Chromium, total  | ug/L  | MW96-23 | 09/30/2024 | ND | 8.0000   |     | 18.6000     |
| Cobalt, total    | ug/L  | MW96-23 | 09/30/2024 | ND | 0.4000   |     | 7.0000      |
| Copper, total    | ug/L  | MW96-23 | 09/30/2024 | ND | 4.0000   |     | 19.5000     |
| Lead, total      | ug/L  | MW96-23 | 09/30/2024 | ND | 4.0000   |     | 11.9000     |
| Nickel, total    | ug/L  | MW96-23 | 09/30/2024 | ND | 4.0000   |     | 17.4000     |
| Selenium, total  | ug/L  | MW96-23 | 09/30/2024 | ND | 4.0000   |     | 9.0000      |
| Silver, total    | ug/L  | MW96-23 | 09/30/2024 | ND | 4.0000   |     | 4.0000      |
| Thallium, total  | ug/L  | MW96-23 | 09/30/2024 | ND | 2.0000   |     | 2.0000      |
| Vanadium, total  | ug/L  | MW96-23 | 09/30/2024 | ND | 20.0000  |     | 40.6000     |
| Zinc, total      | ug/L  | MW96-23 | 09/30/2024 | ND | 20.0000  |     | 144.0000    |
| Antimony, total  | ug/L  | MW96-24 | 09/30/2024 | ND | 2.0000   |     | 4.5000      |
| Arsenic, total   | ug/L  | MW96-24 | 09/30/2024 | ND | 4.0000   |     | 50.6000     |
| Barium, total    | ug/L  | MW96-24 | 09/30/2024 |    | 559.0000 |     | 874.0000    |
| Beryllium, total | ug/L  | MW96-24 | 09/30/2024 | ND | 4.0000   |     | 4.0000      |
| Cadmium, total   | ug/L  | MW96-24 | 09/30/2024 | ND | 0.8000   |     | 2.4000      |
| Chromium, total  | ug/L  | MW96-24 | 09/30/2024 | ND | 8.0000   |     | 18.6000     |
| Cobalt, total    | ug/L  | MW96-24 | 09/30/2024 | ND | 0.4000   |     | 7.0000      |
| Copper, total    | ug/L  | MW96-24 | 09/30/2024 | ND | 4.0000   |     | 19.5000     |
| Lead, total      | ug/L  | MW96-24 | 09/30/2024 | ND | 4.0000   |     | 11.9000     |
| Nickel, total    | ug/L  | MW96-24 | 09/30/2024 | ND | 4.0000   |     | 17.4000     |
| Selenium, total  | ug/L  | MW96-24 | 09/30/2024 | ND | 4.0000   |     | 9.0000      |
| Silver, total    | ug/L  | MW96-24 | 09/30/2024 | ND | 4.0000   |     | 4.0000      |
| Thallium, total  | ug/L  | MW96-24 | 09/30/2024 | ND | 2.0000   |     | 2.0000      |
| Vanadium, total  | ug/L  | MW96-24 | 09/30/2024 | ND | 20.0000  |     | 40.6000     |
| Zinc, total      | ug/L  | MW96-24 | 09/30/2024 | ND | 20.0000  |     | 144.0000    |
| Antimony, total  | ug/L  | MW98-25 | 09/30/2024 | ND | 2.0000   |     | 4.5000      |
| Arsenic, total   | ug/L  | MW98-25 | 09/30/2024 |    | 6.6000   |     | 50.6000     |
| Barium, total    | ug/L  | MW98-25 | 09/30/2024 |    | 90.2000  |     | 874.0000    |
| Beryllium, total | ug/L  | MW98-25 | 09/30/2024 | ND | 4.0000   |     | 4.0000      |
| Cadmium, total   | ug/L  | MW98-25 | 09/30/2024 | ND | 0.8000   |     | 2.4000      |
| Chromium, total  | ug/L  | MW98-25 | 09/30/2024 | ND | 8.0000   |     | 18.6000     |
| Cobalt, total    | ug/L  | MW98-25 | 09/30/2024 |    | 11.0000  | *** | 7.0000      |
| Copper, total    | ug/L  | MW98-25 | 09/30/2024 | ND | 4.0000   |     | 19.5000     |
| Lead, total      | ug/L  | MW98-25 | 09/30/2024 | ND | 4.0000   |     | 11.9000     |
| Nickel, total    | ug/L  | MW98-25 | 09/30/2024 |    | 26.5000  | *** | 17.4000     |
| Selenium, total  | ug/L  | MW98-25 | 09/30/2024 | ND | 4.0000   |     | 9.0000      |
| Silver, total    | ug/L  | MW98-25 | 09/30/2024 | ND | 4.0000   |     | 4.0000      |
| Thallium, total  | ug/L  | MW98-25 | 09/30/2024 | ND | 2.0000   |     | 2.0000      |
| Vanadium, total  | ug/L  | MW98-25 | 09/30/2024 | ND | 20.0000  |     | 40.6000     |
| Zinc, total      | ug/L  | MW98-25 | 09/30/2024 | ND | 20.0000  |     | 144.0000    |

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

Table 3

## Detection Frequencies in Upgradient and Downgradient Wells

| Constituent      | Upgradient |     |            | Downgradient |     |            |
|------------------|------------|-----|------------|--------------|-----|------------|
|                  | Detect     | N   | Proportion | Detect       | N   | Proportion |
| Antimony, total  | 4          | 110 | 0.036      | 4            | 410 | 0.010      |
| Arsenic, total   | 32         | 109 | 0.294      | 137          | 412 | 0.333      |
| Barium, total    | 110        | 110 | 1.000      | 410          | 411 | 0.998      |
| Beryllium, total | 0          | 110 | 0.000      | 1            | 411 | 0.002      |
| Cadmium, total   | 10         | 106 | 0.094      | 53           | 412 | 0.129      |
| Chromium, total  | 4          | 108 | 0.037      | 17           | 410 | 0.041      |
| Cobalt, total    | 48         | 106 | 0.453      | 101          | 412 | 0.245      |
| Copper, total    | 12         | 105 | 0.114      | 89           | 411 | 0.217      |
| Lead, total      | 3          | 105 | 0.029      | 43           | 412 | 0.104      |
| Nickel, total    | 37         | 107 | 0.346      | 183          | 412 | 0.444      |
| Selenium, total  | 3          | 110 | 0.027      | 18           | 411 | 0.044      |
| Silver, total    | 0          | 110 | 0.000      | 0            | 410 | 0.000      |
| Thallium, total  | 0          | 110 | 0.000      | 2            | 410 | 0.005      |
| Vanadium, total  | 2          | 109 | 0.018      | 28           | 411 | 0.068      |
| Zinc, total      | 20         | 109 | 0.183      | 128          | 412 | 0.311      |

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  | 4      | 110 | 0.036       | 1.635 | 1.142 |        |        |       |       | 2.326      | normal    | nonpar     |
| Arsenic, total   | 32     | 109 | 0.294       | 1.156 | 0.493 |        |        |       |       | 2.326      | normal    | nonpar     |
| Barium, total    | 110    | 110 | 1.000       | 5.703 | 2.908 |        |        |       |       | 2.326      | non-norm  | nonpar     |
| Beryllium, total | 0      | 110 | 0.000       |       |       |        |        |       |       |            |           | nonpar     |
| Cadmium, total   | 10     | 106 | 0.094       | 1.279 | 1.388 |        |        |       |       | 2.326      | normal    | nonpar     |
| Chromium, total  | 4      | 108 | 0.037       |       |       |        |        |       |       |            |           | nonpar     |
| Cobalt, total    | 48     | 106 | 0.453       | 4.692 | 0.966 |        |        |       |       | 2.326      | lognor    | nonpar     |
| Copper, total    | 12     | 105 | 0.114       | 0.675 | 0.612 |        |        |       |       | 2.326      | normal    | nonpar     |
| Lead, total      | 3      | 105 | 0.029       |       |       |        |        |       |       |            |           | nonpar     |
| Nickel, total    | 37     | 107 | 0.346       | 1.610 | 0.185 |        |        |       |       | 2.326      | normal    | nonpar     |
| Selenium, total  | 3      | 110 | 0.027       |       |       |        |        |       |       |            |           | nonpar     |
| Silver, total    | 0      | 110 | 0.000       |       |       |        |        |       |       |            |           | nonpar     |
| Thallium, total  | 0      | 110 | 0.000       |       |       |        |        |       |       |            |           | nonpar     |
| Vanadium, total  | 2      | 109 | 0.018       |       |       |        |        |       |       |            |           | nonpar     |
| Zinc, total      | 20     | 109 | 0.183       | 1.923 | 0.131 |        |        |       |       | 2.326      | normal    | nonpar     |

\* - Distribution override for that constituent.

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

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

Table 5

## Summary Statistics and Prediction Limits

| Constituent      | Units | Detect | N   | Mean | SD | alpha | Factor | Pred Limit | Type   |     | Conf |
|------------------|-------|--------|-----|------|----|-------|--------|------------|--------|-----|------|
| Antimony, total  | ug/L  | 4      | 110 |      |    |       |        | 4.5000     | nonpar |     | 0.99 |
| Arsenic, total   | ug/L  | 32     | 109 |      |    |       |        | 50.6000    | nonpar |     | 0.99 |
| Barium, total    | ug/L  | 110    | 110 |      |    |       |        | 874.0000   | nonpar |     | 0.99 |
| Beryllium, total | ug/L  | 0      | 110 |      |    |       |        | 4.0000     | nonpar | *** | 0.99 |
| Cadmium, total   | ug/L  | 10     | 106 |      |    |       |        | 2.4000     | nonpar |     | 0.99 |
| Chromium, total  | ug/L  | 4      | 108 |      |    |       |        | 18.6000    | nonpar |     | 0.99 |
| Cobalt, total    | ug/L  | 48     | 106 |      |    |       |        | 7.0000     | nonpar |     | 0.99 |
| Copper, total    | ug/L  | 12     | 105 |      |    |       |        | 19.5000    | nonpar |     | 0.99 |
| Lead, total      | ug/L  | 3      | 105 |      |    |       |        | 11.9000    | nonpar |     | 0.99 |
| Nickel, total    | ug/L  | 37     | 107 |      |    |       |        | 17.4000    | nonpar |     | 0.99 |
| Selenium, total  | ug/L  | 3      | 110 |      |    |       |        | 9.0000     | nonpar |     | 0.99 |
| Silver, total    | ug/L  | 0      | 110 |      |    |       |        | 4.0000     | nonpar | *** | 0.99 |
| Thallium, total  | ug/L  | 0      | 110 |      |    |       |        | 2.0000     | nonpar | *** | 0.99 |
| Vanadium, total  | ug/L  | 2      | 109 |      |    |       |        | 40.6000    | nonpar |     | 0.99 |
| Zinc, total      | ug/L  | 20     | 109 |      |    |       |        | 144.0000   | nonpar |     | 0.99 |

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

\* - Insufficient Data.

\*\* - Calculated limit raised to Manual Reporting Limit.

\*\*\* - Nonparametric limit based on ND value.

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

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

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



Table 6

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

| Constituent     | Units | Well     | Date       | Result  | ND Qualifier | Date Range            | N  | Critical Value |
|-----------------|-------|----------|------------|---------|--------------|-----------------------|----|----------------|
| Cadmium, total  | ug/L  | MW02-15A | 03/16/2016 | 3.6000  |              | 09/18/2014-09/30/2024 | 23 | 0.5065         |
| Copper, total   | ug/L  | MW02-15A | 03/09/2021 | 26.0000 |              | 09/18/2014-09/30/2024 | 23 | 0.5065         |
| Lead, total     | ug/L  | MW02-30A | 09/14/2022 | 14.8000 |              | 03/16/2016-09/30/2024 | 19 | 0.5643         |
| Lead, total     | ug/L  | MW02-30A | 03/20/2023 | 22.3000 |              | 03/16/2016-09/30/2024 | 19 | 0.5643         |
| Cadmium, total  | ug/L  | MW88-2   | 03/16/2016 | 4.6000  |              | 09/18/2014-09/30/2024 | 22 | 0.5263         |
| Cadmium, total  | ug/L  | MW88-2   | 09/19/2017 | 2.5000  |              | 09/18/2014-09/30/2024 | 22 | 0.5263         |
| Cobalt, total   | ug/L  | MW91-8   | 09/14/2022 | 2.7000  |              | 09/19/2014-09/30/2024 | 23 | 0.5065         |
| Arsenic, total  | ug/L  | MW98-28  | 09/18/2014 | 18.9000 |              | 09/18/2014-09/30/2024 | 23 | 0.5065         |
| Chromium, total | ug/L  | MW98-28  | 09/18/2014 | 43.4000 |              | 09/18/2014-09/30/2024 | 23 | 0.5162         |
| Chromium, total | ug/L  | MW98-28  | 06/29/2015 | 24.9000 |              | 09/18/2014-09/30/2024 | 23 | 0.5162         |
| Copper, total   | ug/L  | MW98-28  | 06/29/2015 | 29.9000 |              | 09/18/2014-09/30/2024 | 21 | 0.5263         |
| Lead, total     | ug/L  | MW98-28  | 06/29/2015 | 15.6000 |              | 09/18/2014-09/30/2024 | 22 | 0.5162         |
| Nickel, total   | ug/L  | MW98-28  | 03/09/2021 | 33.6000 |              | 09/18/2014-09/30/2024 | 21 | 0.5263         |

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

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

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

Table 8

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

| Constituent    | Units | Well    | Date       |    | Result    | Pred. Limit |
|----------------|-------|---------|------------|----|-----------|-------------|
| Nickel, total  | ug/L  | GU-3    | 09/13/2021 |    | 15.2000   | 17.4000     |
| Nickel, total  | ug/L  | GU-3    | 12/03/2021 |    | 12.4000   | 17.4000     |
| Nickel, total  | ug/L  | GU-3    | 03/28/2022 |    | 12.7000   | 17.4000     |
| Nickel, total  | ug/L  | GU-3    | 09/15/2022 |    | 21.1000 * | 17.4000     |
| Nickel, total  | ug/L  | GU-3    | 09/30/2024 |    | 36.8000 * | 17.4000     |
| Cadmium, total | ug/L  | MW88-3  | 03/14/2008 | ND | 1.0000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 06/04/2008 | ND | 1.0000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 07/21/2008 | ND | 1.0000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/10/2008 |    | 5.2000 *  | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 12/18/2008 | ND | 1.0000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/04/2009 | ND | 1.0000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/20/2009 | ND | 1.0000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/24/2010 | ND | 1.0000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/21/2010 | ND | 1.0000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/30/2011 |    | 3.1000 *  | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/14/2011 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/07/2012 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/12/2012 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/20/2013 |    | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/27/2013 |    | 2.0000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/13/2014 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/18/2014 |    | 1.2000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/17/2015 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/11/2015 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/16/2016 |    | 1.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/08/2016 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/17/2017 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/19/2017 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/08/2018 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/24/2018 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/25/2019 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/03/2019 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/23/2020 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/04/2020 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/09/2021 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/07/2021 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/28/2022 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/14/2022 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/20/2023 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/12/2023 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 03/12/2024 | ND | 0.8000    | 2.4000      |
| Cadmium, total | ug/L  | MW88-3  | 09/30/2024 |    | 5.6000 *  | 2.4000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/17/2008 |    | 46.0000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 06/04/2008 |    | 42.0000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 07/23/2008 |    | 51.0000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/12/2008 |    | 24.2000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 12/11/2008 |    | 29.3000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/04/2009 |    | 33.9000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/20/2009 |    | 23.7000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/26/2010 |    | 33.6000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/24/2010 |    | 25.4000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/30/2011 |    | 35.4000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/14/2011 |    | 30.0000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/07/2012 |    | 33.1000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/12/2012 |    | 8.9000 *  | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/20/2013 |    | 12.3000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/27/2013 |    | 10.0000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/13/2014 |    | 14.5000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/18/2014 |    | 19.0000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/17/2015 |    | 5.4000 *  | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/11/2015 |    | 13.0000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/16/2016 |    | 4.7000 *  | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/08/2016 |    | 29.1000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/18/2017 |    | 14.6000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/19/2017 |    | 6.2000 *  | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/08/2018 |    | 10.3000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/24/2018 |    | 11.6000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/25/2019 |    | 13.9000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/03/2019 |    | 8.5000 *  | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 03/23/2020 |    | 22.2000 * | 7.0000      |
| Cobalt, total  | ug/L  | MW98-25 | 09/04/2020 |    | 7.6000 *  | 7.0000      |

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

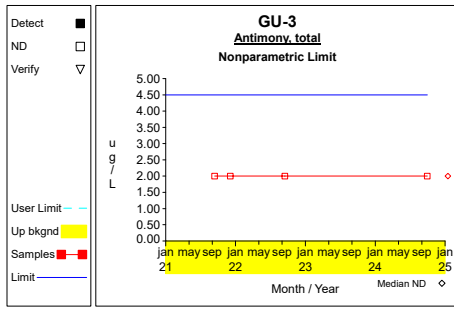
Table 8

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

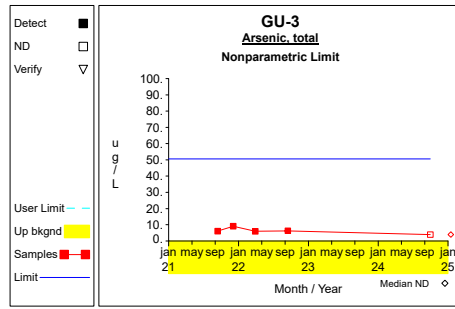
| Constituent   | Units | Well    | Date       | Result     | Pred. Limit |
|---------------|-------|---------|------------|------------|-------------|
| Cobalt, total | ug/L  | MW98-25 | 03/09/2021 | 11.7000 *  | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/07/2021 | 12.8000 *  | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/28/2022 | 10.9000 *  | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/14/2022 | 19.4000 *  | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/20/2023 | 11.2000 *  | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/12/2023 | 15.2000 *  | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 03/12/2024 | 10.7000 *  | 7.0000      |
| Cobalt, total | ug/L  | MW98-25 | 09/30/2024 | 11.0000 *  | 7.0000      |
| Nickel, total | ug/L  | MW98-25 | 03/17/2008 | 111.0000 * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 06/04/2008 | 86.0000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 07/23/2008 | 110.0000 * | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/12/2008 | 81.1000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 12/11/2008 | 60.7000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/04/2009 | 69.6000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/20/2009 | 53.1000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/26/2010 | 84.0000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/24/2010 | 56.5000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/30/2011 | 85.8000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/14/2011 | 70.5000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/07/2012 | 75.7000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/12/2012 | 46.5000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/20/2013 | 41.5000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/27/2013 | 55.2000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/13/2014 | 51.0000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/18/2014 | 48.1000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/17/2015 | 41.6000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/11/2015 | 36.2000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/16/2016 | 37.9000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/08/2016 | 81.7000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/18/2017 | 34.3000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/19/2017 | 17.0000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/08/2018 | 20.1000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/24/2018 | 24.6000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/25/2019 | 21.2000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/03/2019 | 9.0000 *   | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/23/2020 | 29.9000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/04/2020 | 10.5000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/09/2021 | 16.7000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/07/2021 | 20.4000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/28/2022 | 21.9000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/14/2022 | 24.3000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/20/2023 | 23.4000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/12/2023 | 35.7000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 03/12/2024 | 23.6000 *  | 17.4000     |
| Nickel, total | ug/L  | MW98-25 | 09/30/2024 | 26.5000 *  | 17.4000     |

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

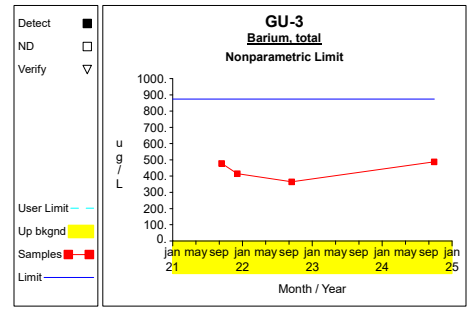
# Up vs. Down Prediction Limits



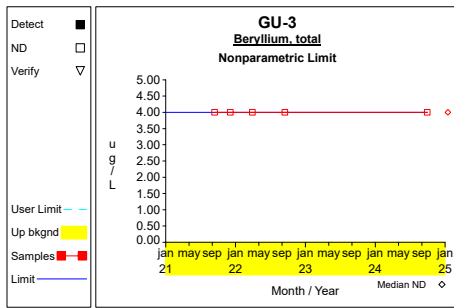
Graph 1



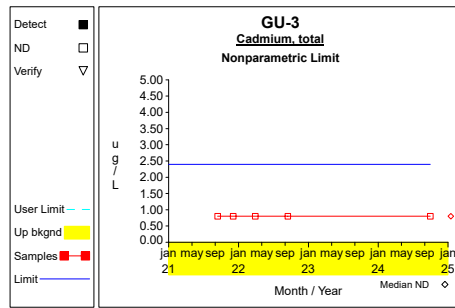
Graph 2



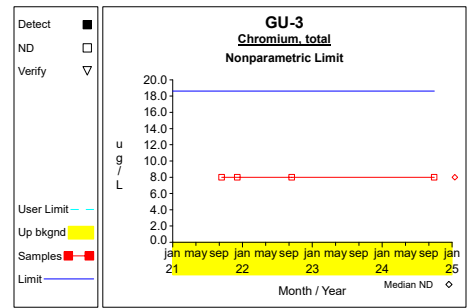
Graph 3



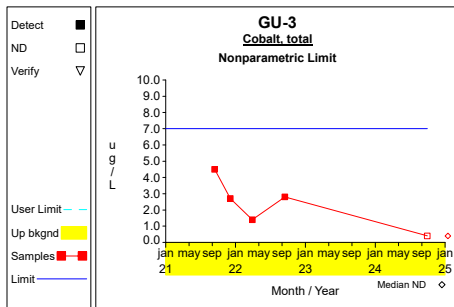
Graph 4



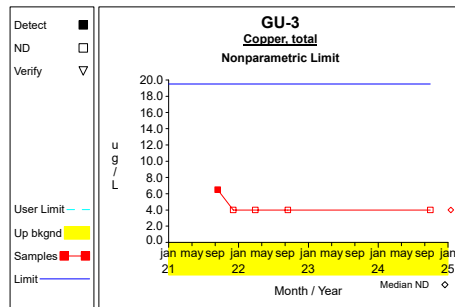
Graph 5



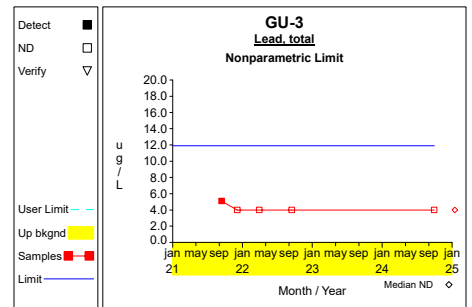
Graph 6



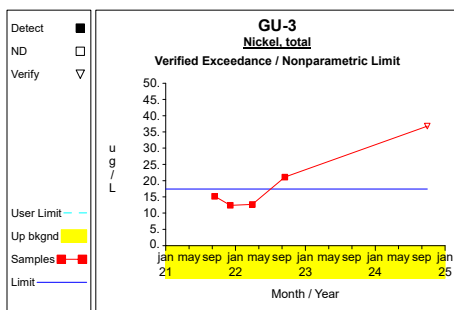
Graph 7



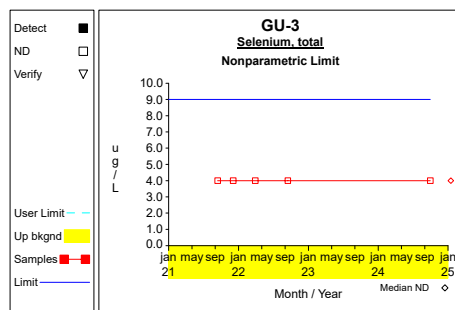
Graph 8



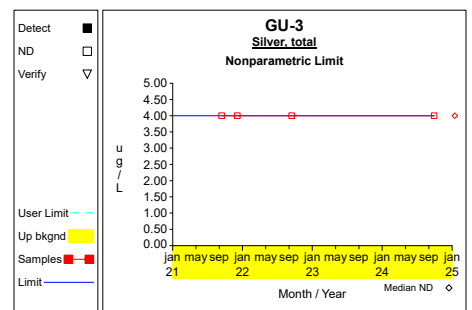
Graph 9



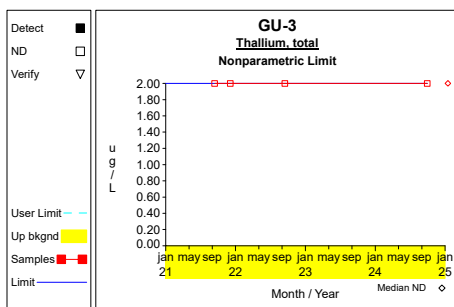
Graph 10



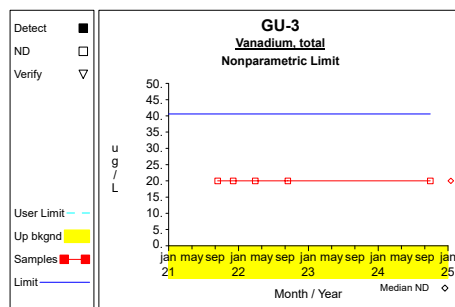
Graph 11



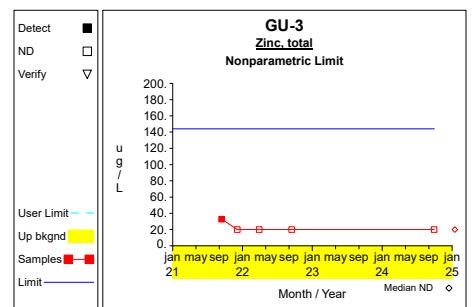
Graph 12



Graph 13

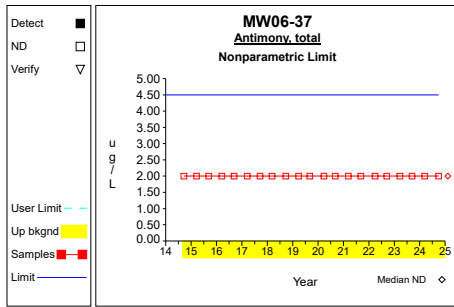


Graph 14

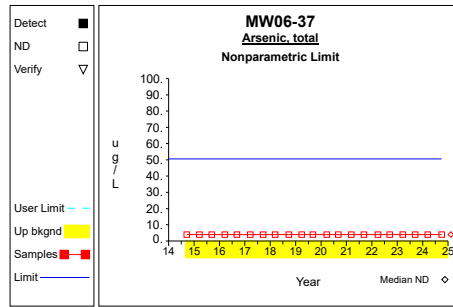


Graph 15

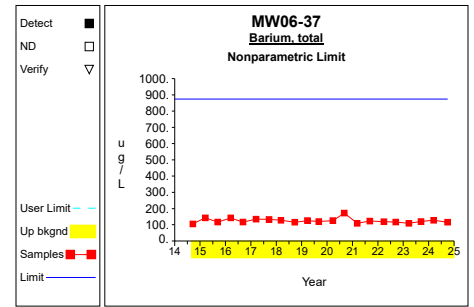
# Up vs. Down Prediction Limits



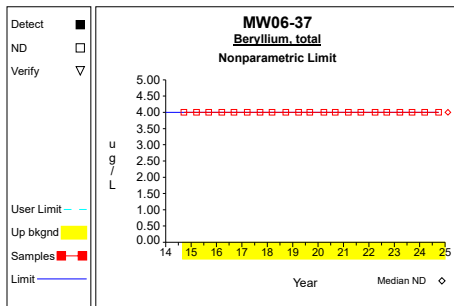
Graph 16



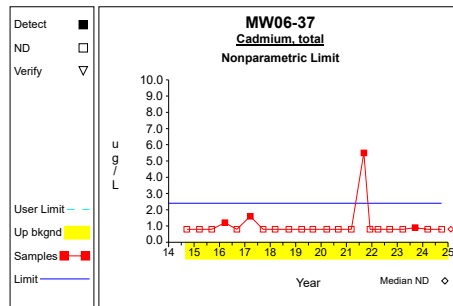
Graph 17



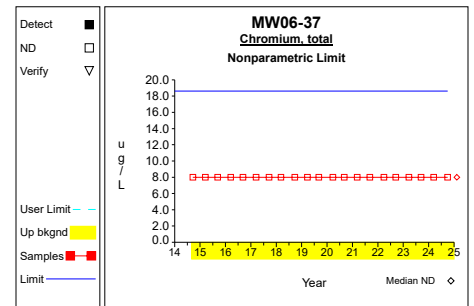
Graph 18



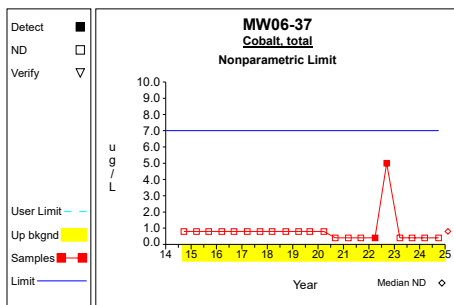
Graph 19



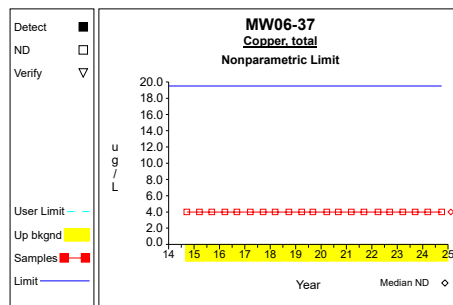
Graph 20



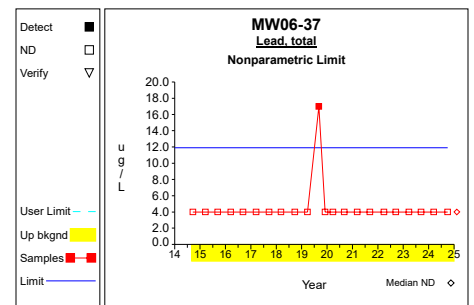
Graph 21



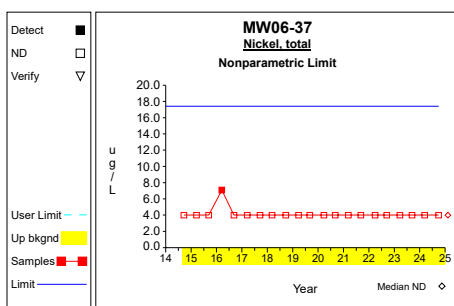
Graph 22



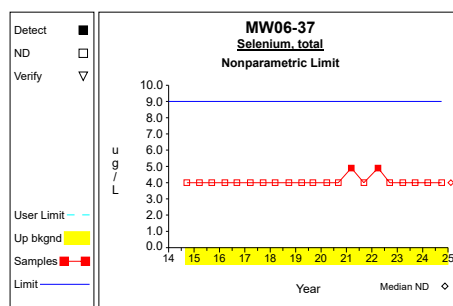
Graph 23



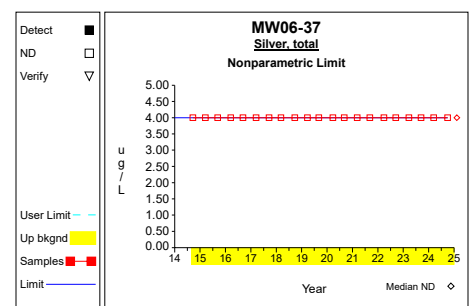
Graph 24



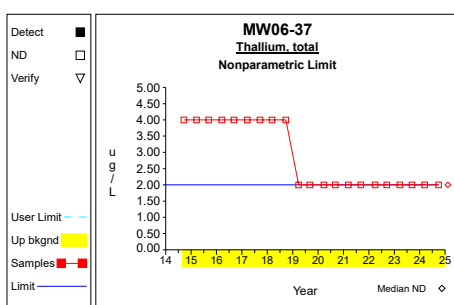
Graph 25



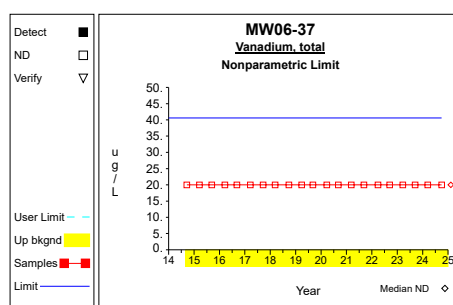
Graph 26



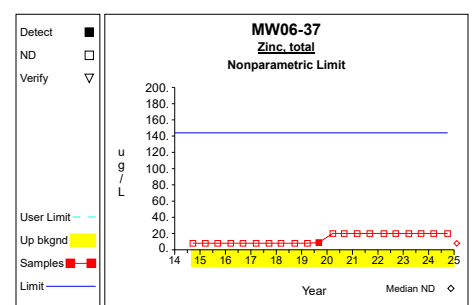
Graph 27



Graph 28

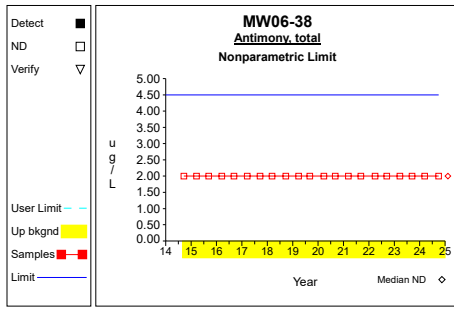


Graph 29

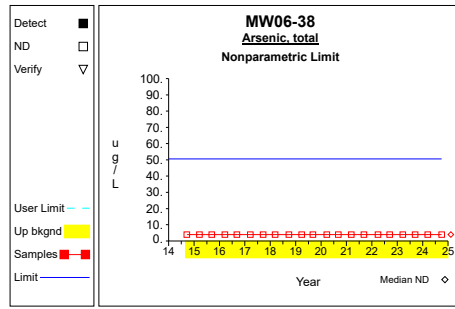


Graph 30

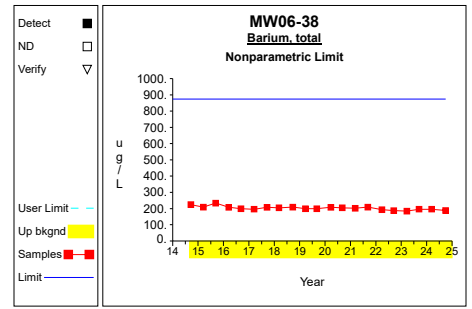
# Up vs. Down Prediction Limits



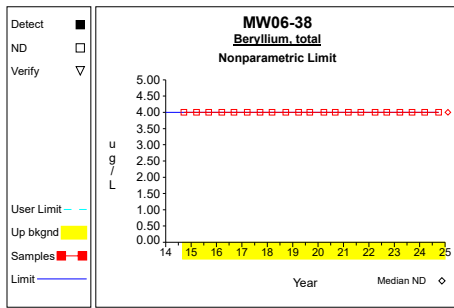
Graph 31



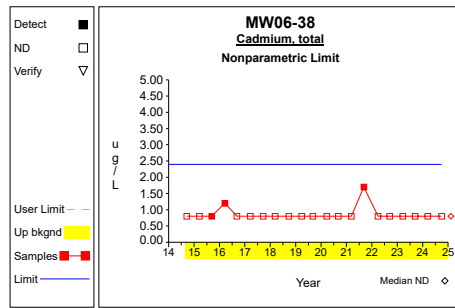
Graph 32



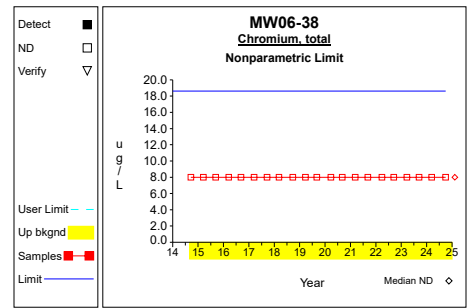
Graph 33



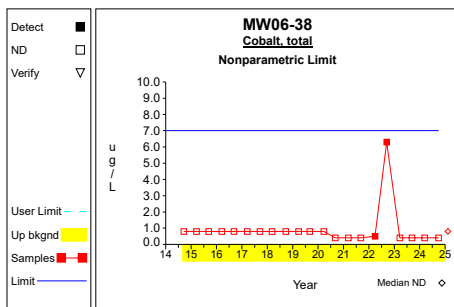
Graph 34



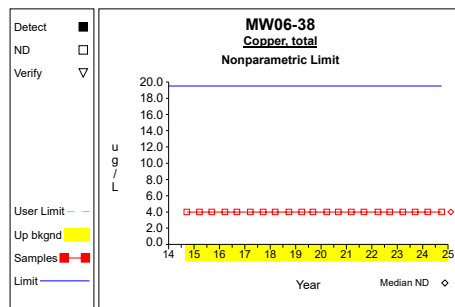
Graph 35



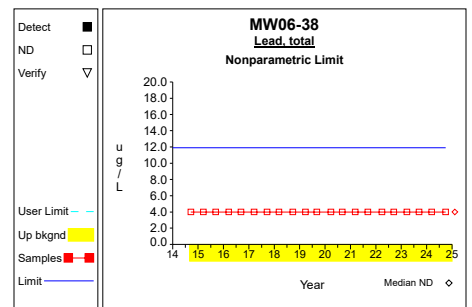
Graph 36



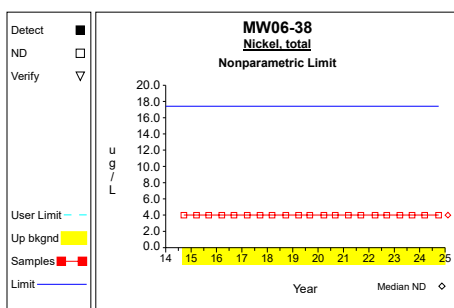
Graph 37



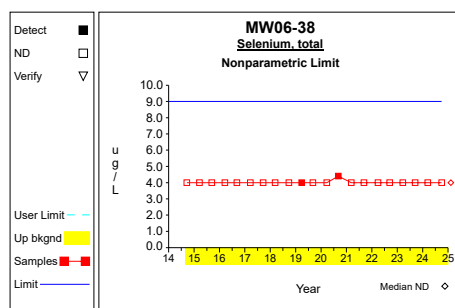
Graph 38



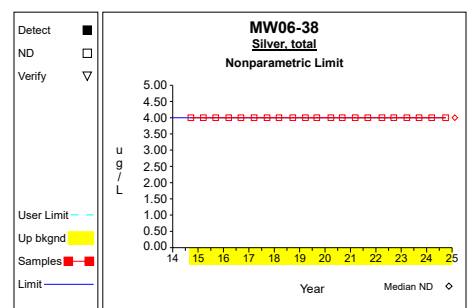
Graph 39



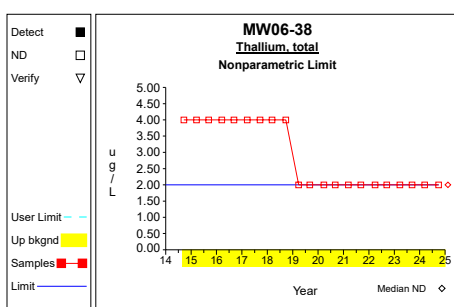
Graph 40



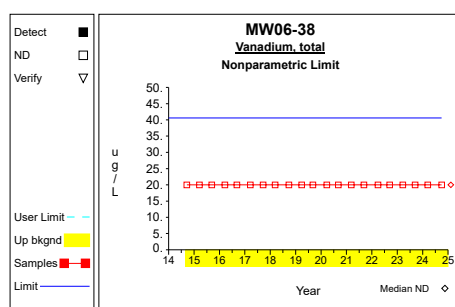
Graph 41



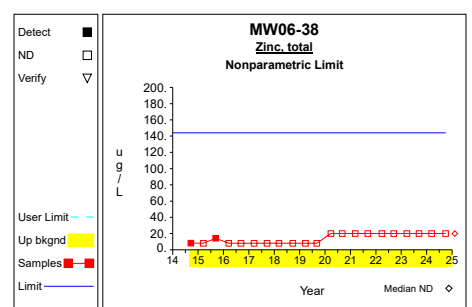
Graph 42



Graph 43

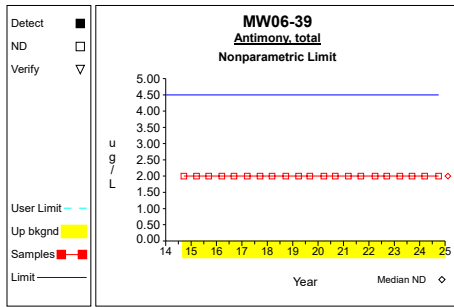


Graph 44

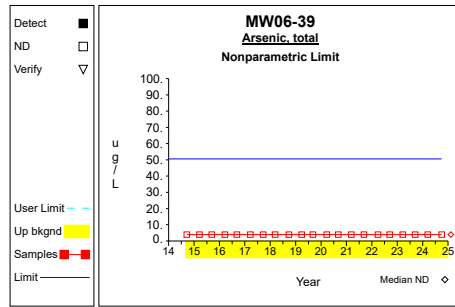


Graph 45

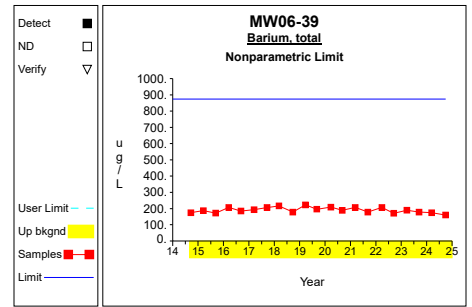
# Up vs. Down Prediction Limits



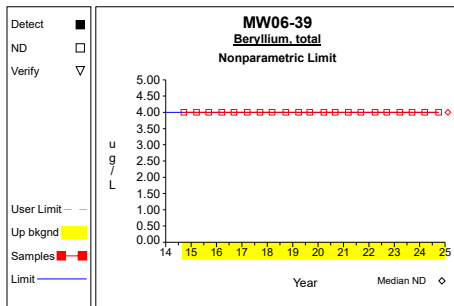
Graph 46



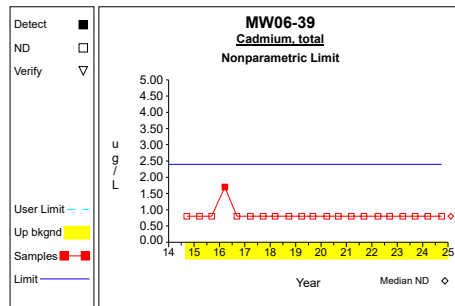
Graph 47



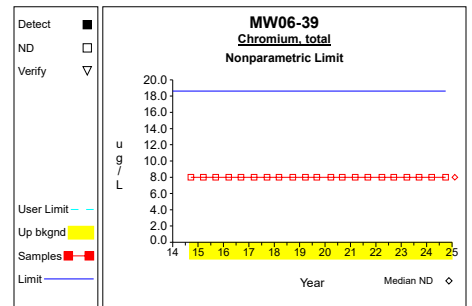
Graph 48



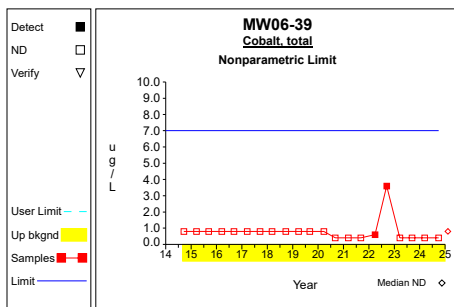
Graph 49



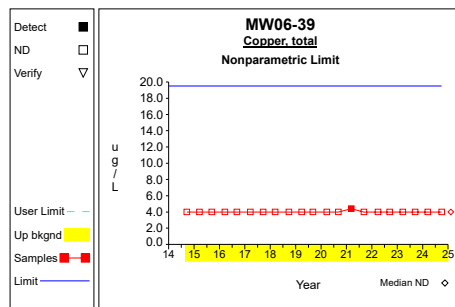
Graph 50



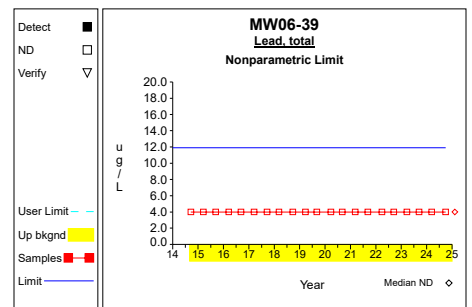
Graph 51



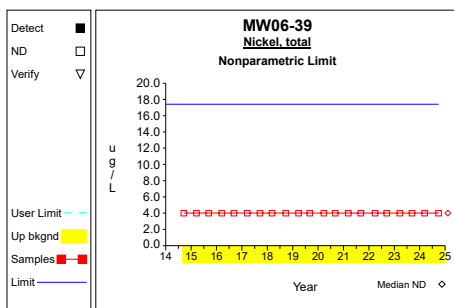
Graph 52



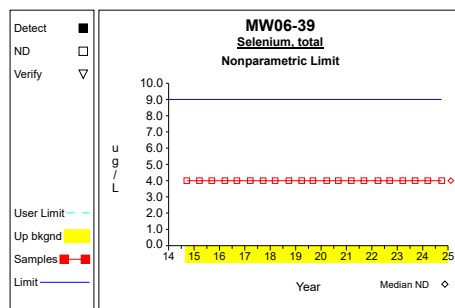
Graph 53



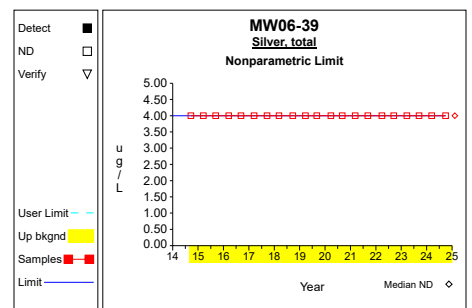
Graph 54



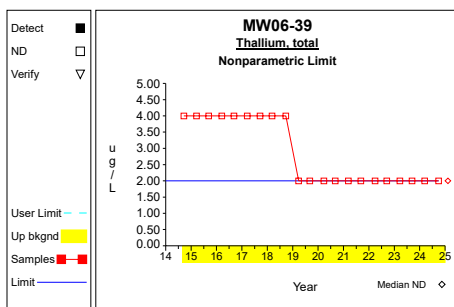
Graph 55



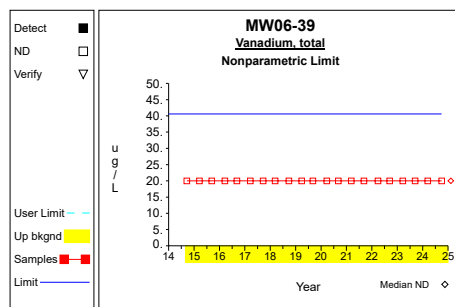
Graph 56



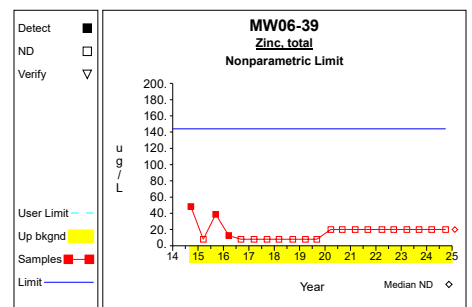
Graph 57



Graph 58

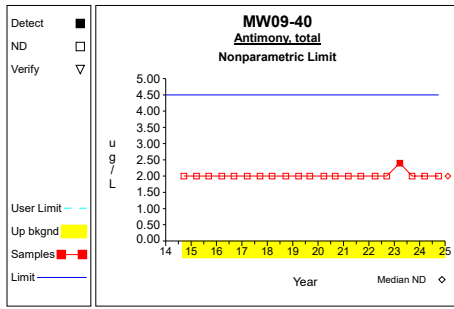


Graph 59

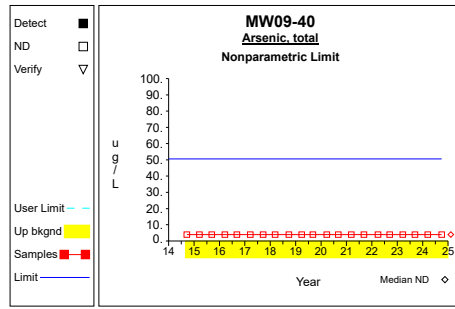


Graph 60

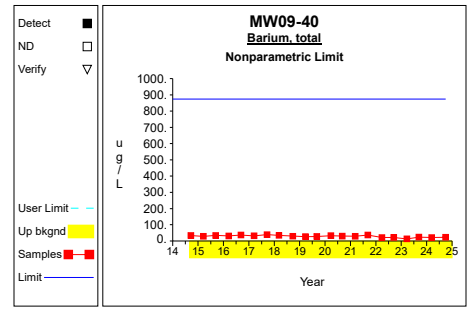
# Up vs. Down Prediction Limits



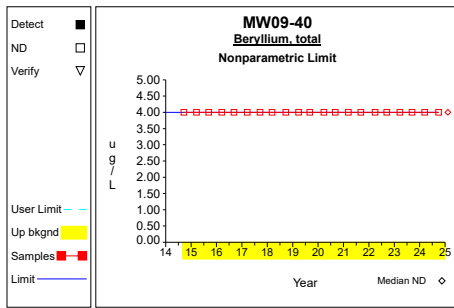
Graph 61



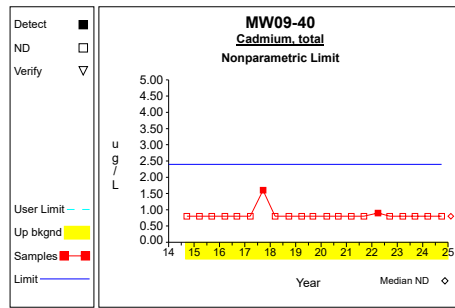
Graph 62



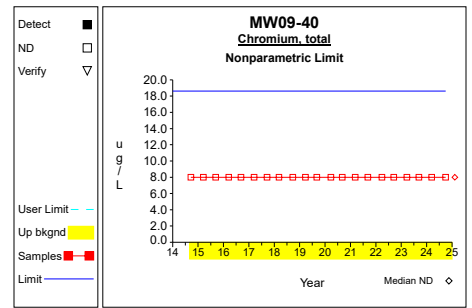
Graph 63



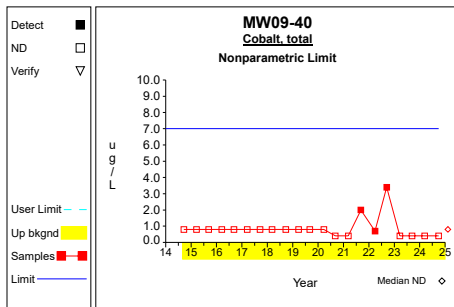
Graph 64



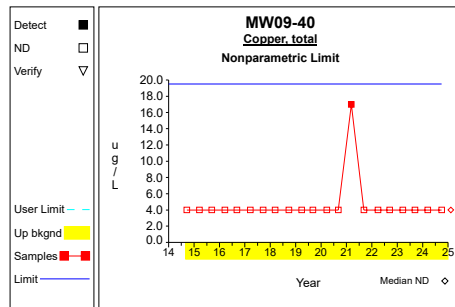
Graph 65



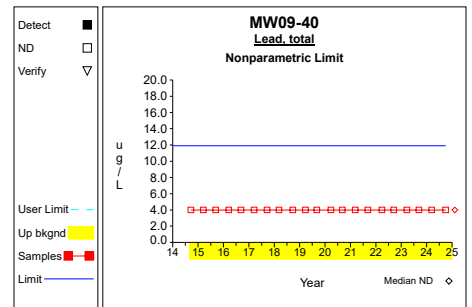
Graph 66



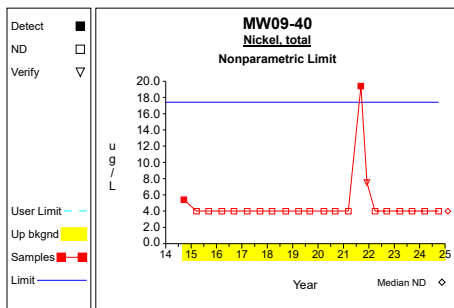
Graph 67



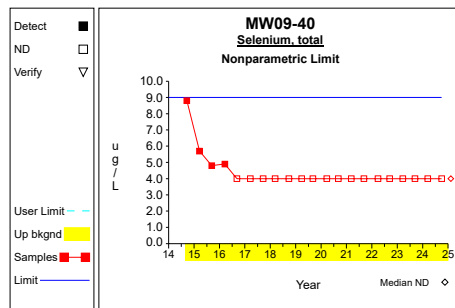
Graph 68



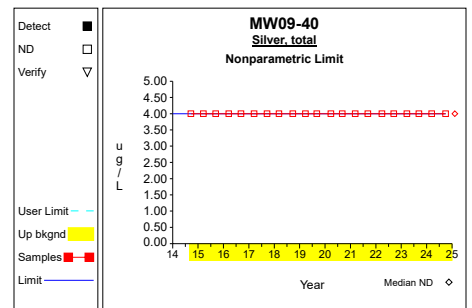
Graph 69



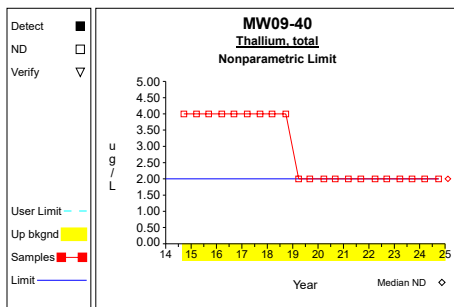
Graph 70



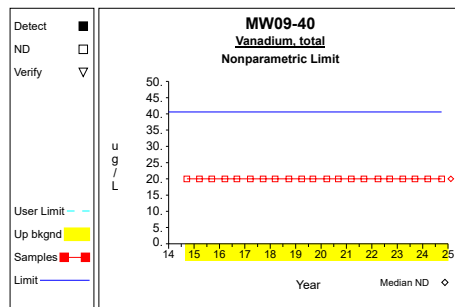
Graph 71



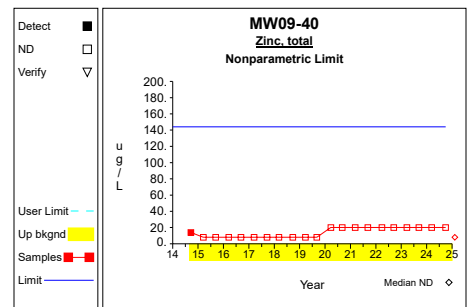
Graph 72



Graph 73



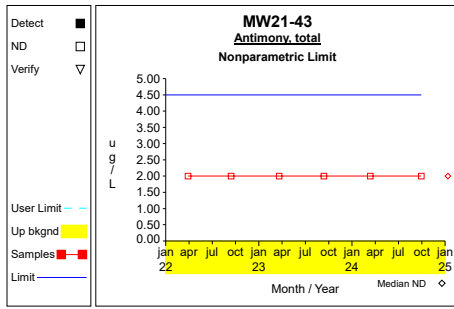
Graph 74



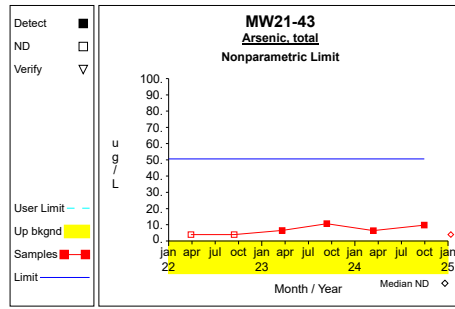
Graph 75



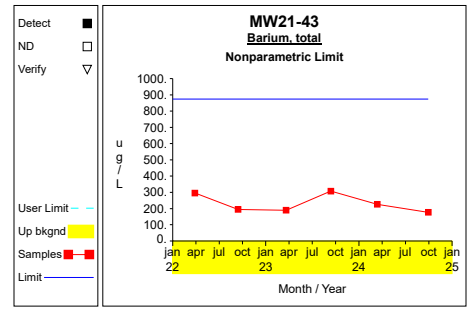
# Up vs. Down Prediction Limits



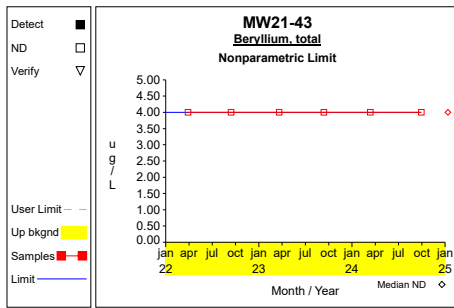
Graph 76



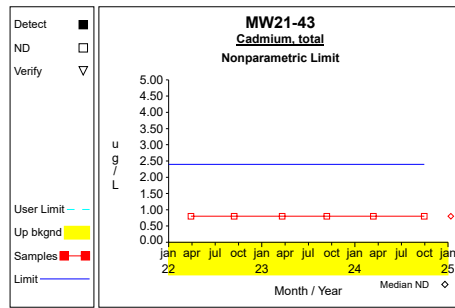
Graph 77



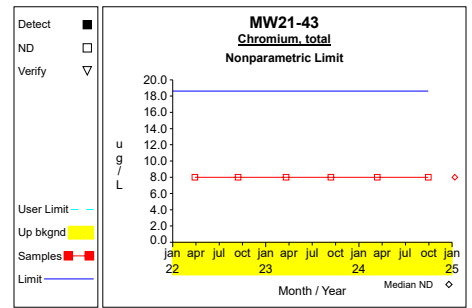
Graph 78



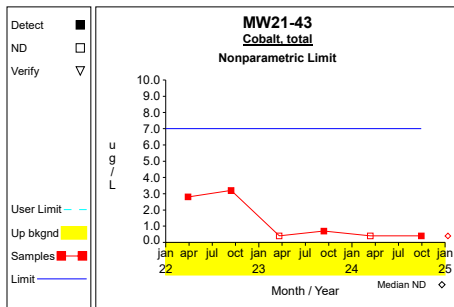
Graph 79



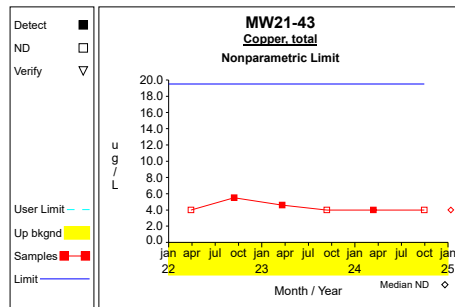
Graph 80



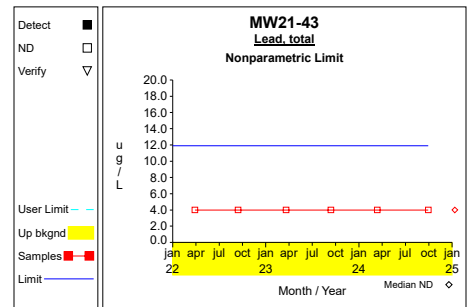
Graph 81



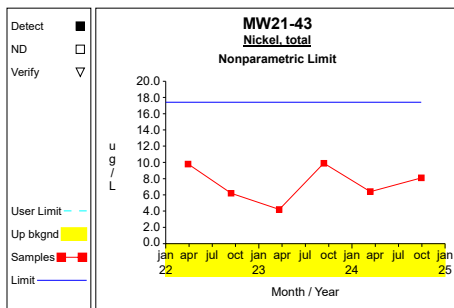
Graph 82



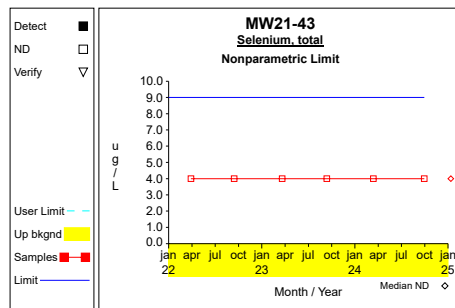
Graph 83



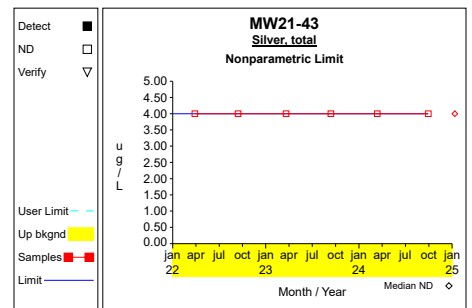
Graph 84



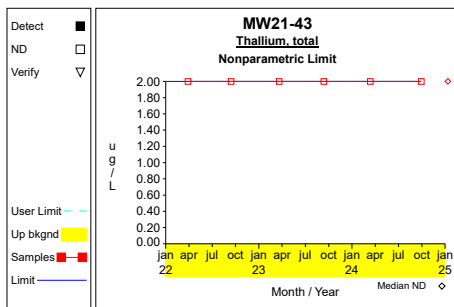
Graph 85



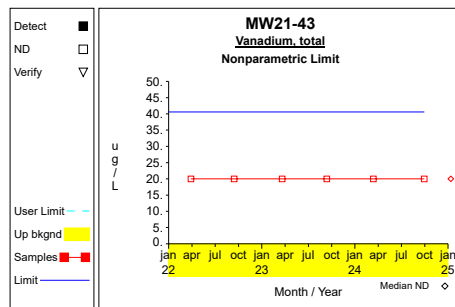
Graph 86



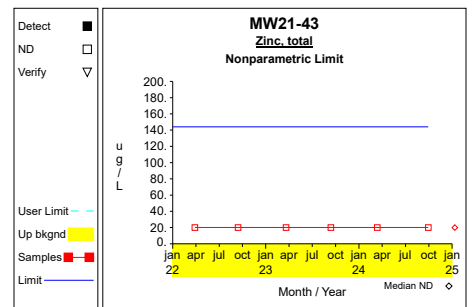
Graph 87



Graph 88

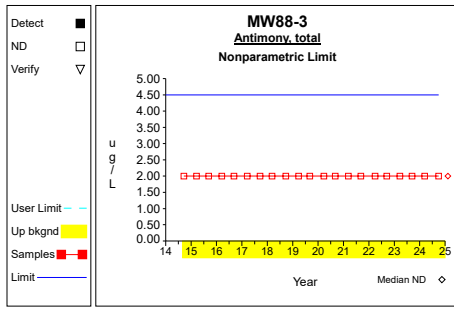


Graph 89

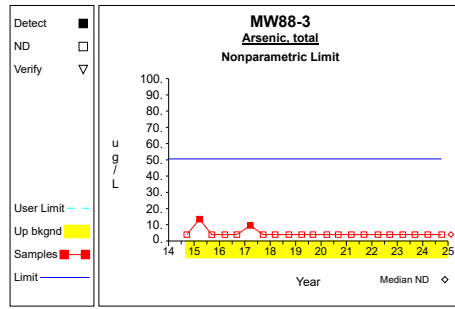


Graph 90

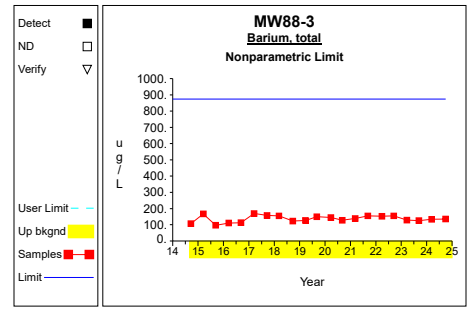
# Up vs. Down Prediction Limits



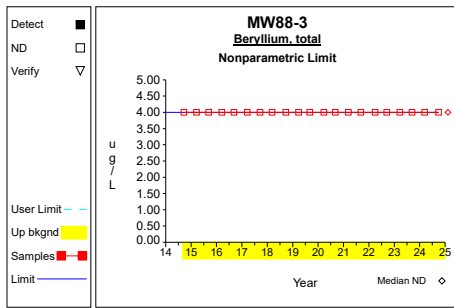
Graph 91



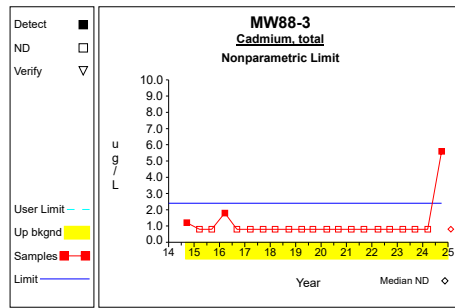
Graph 92



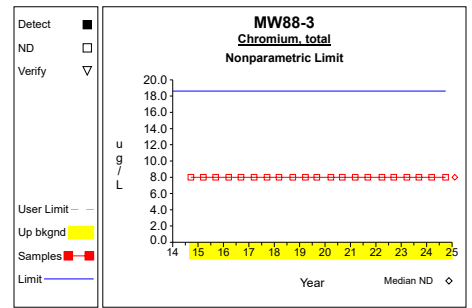
Graph 93



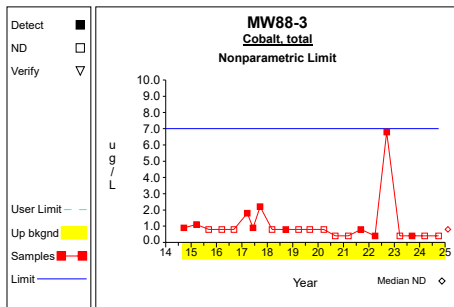
Graph 94



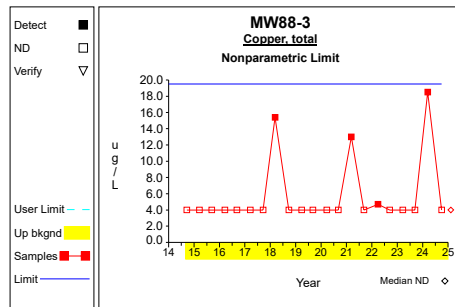
Graph 95



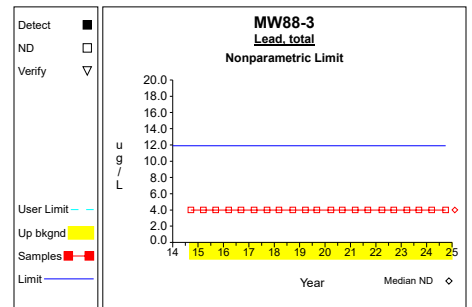
Graph 96



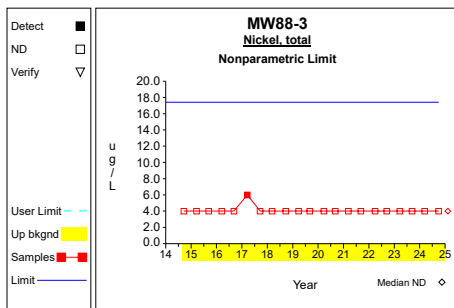
Graph 97



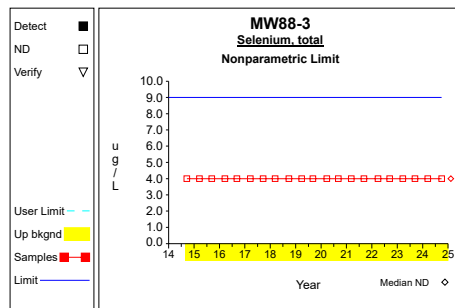
Graph 98



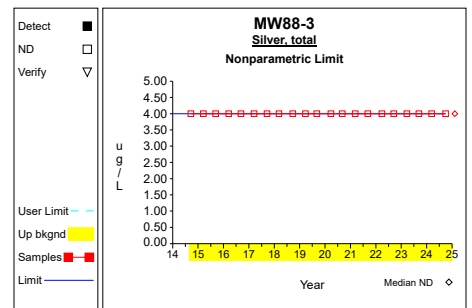
Graph 99



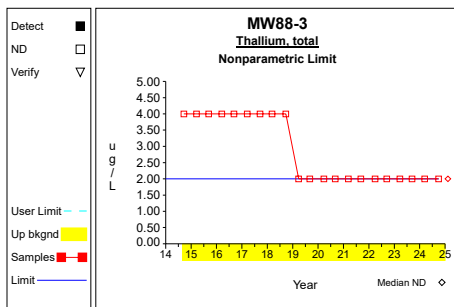
Graph 100



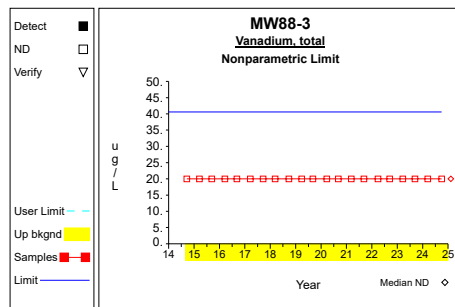
Graph 101



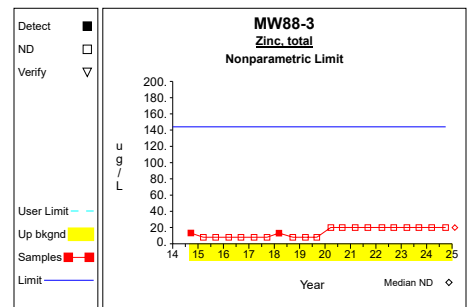
Graph 102



Graph 103

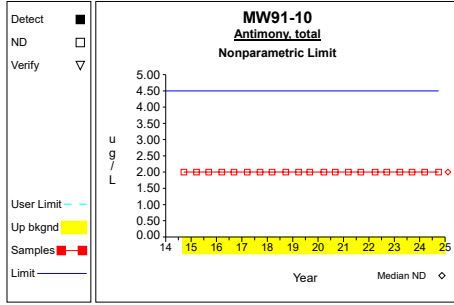


Graph 104

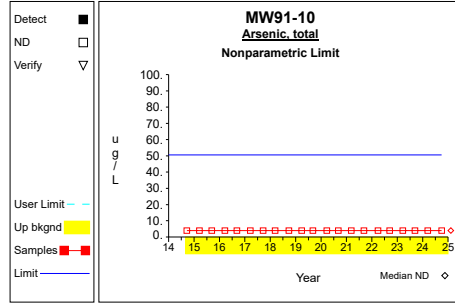


Graph 105

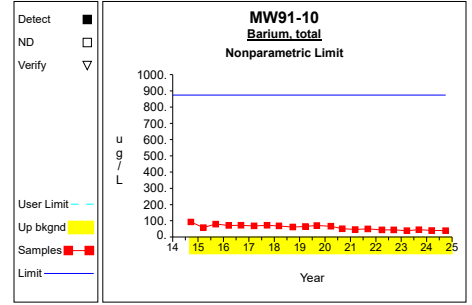
# Up vs. Down Prediction Limits



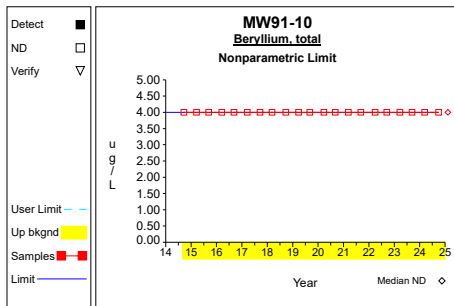
Graph 106



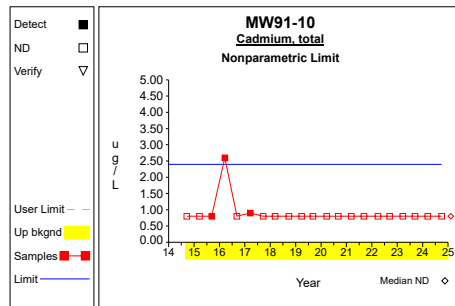
Graph 107



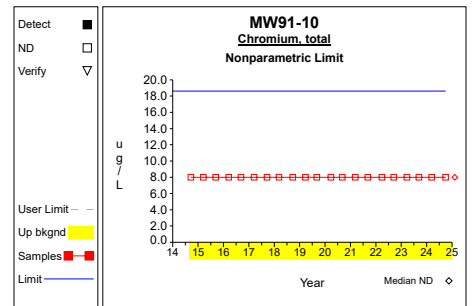
Graph 108



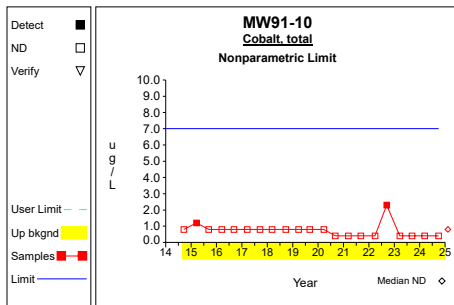
Graph 109



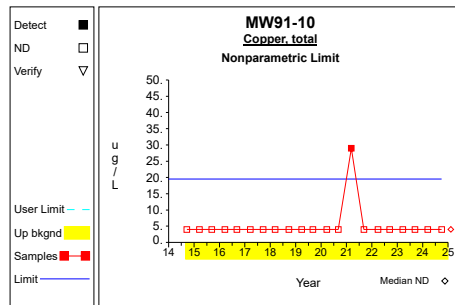
Graph 110



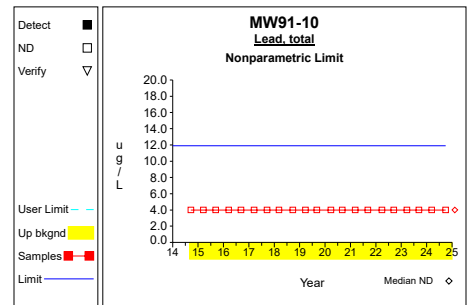
Graph 111



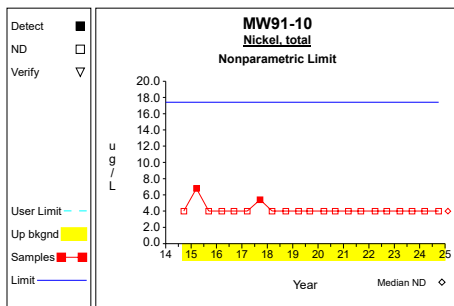
Graph 112



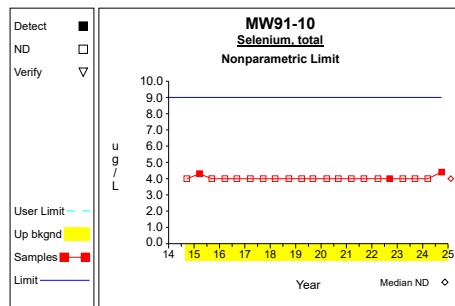
Graph 113



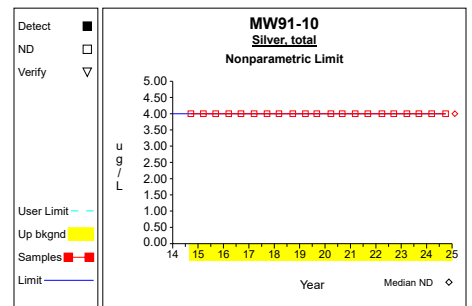
Graph 114



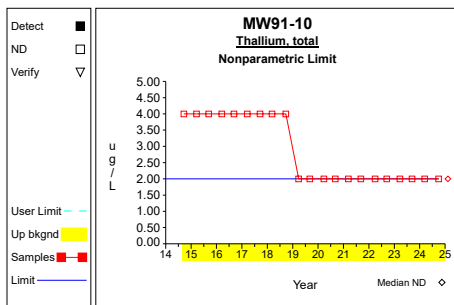
Graph 115



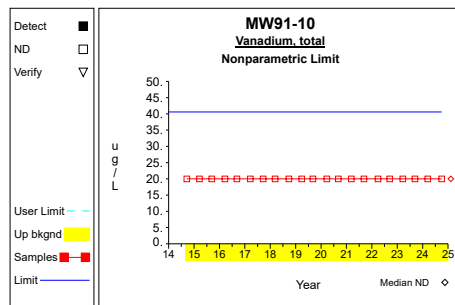
Graph 116



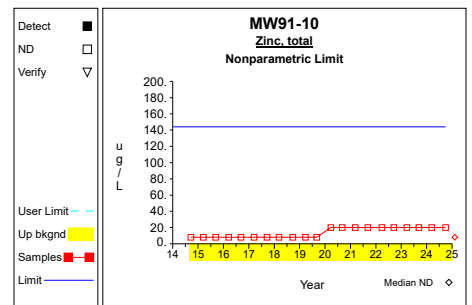
Graph 117



Graph 118

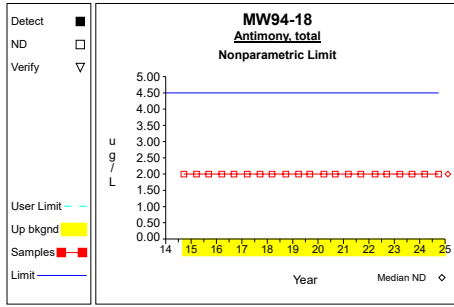


Graph 119

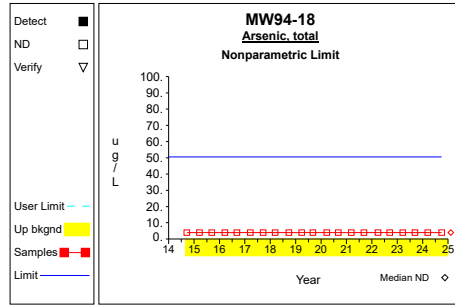


Graph 120

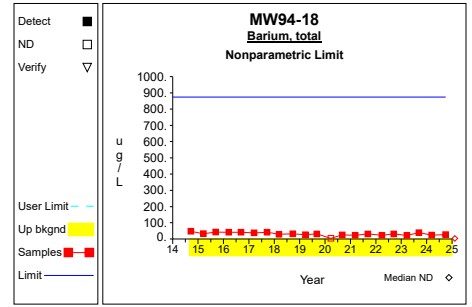
# Up vs. Down Prediction Limits



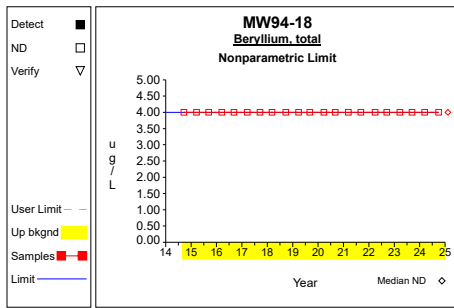
Graph 121



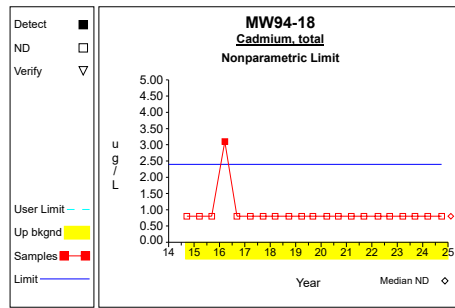
Graph 122



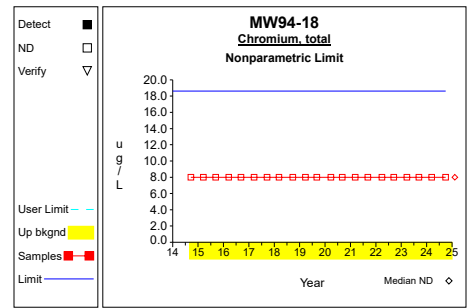
Graph 123



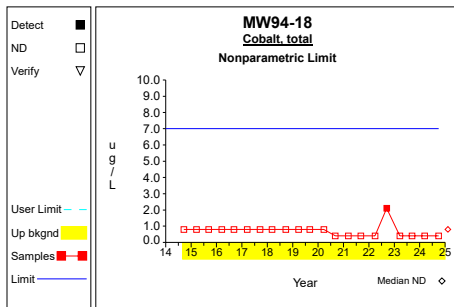
Graph 124



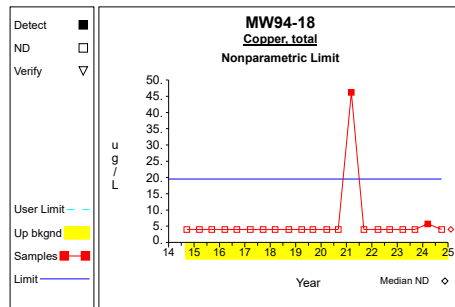
Graph 125



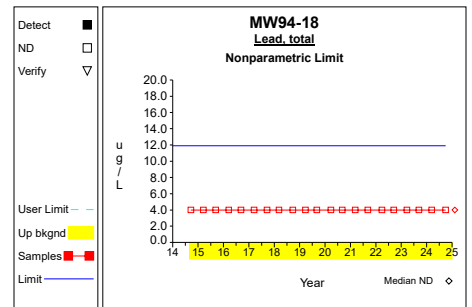
Graph 126



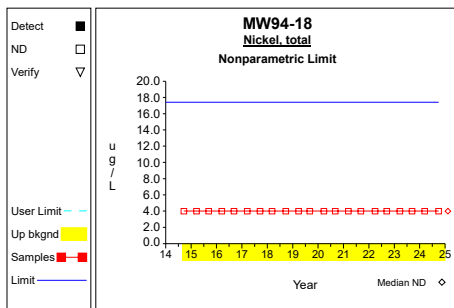
Graph 127



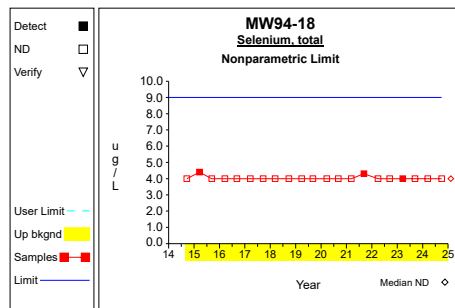
Graph 128



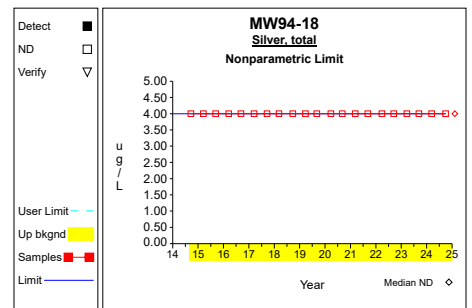
Graph 129



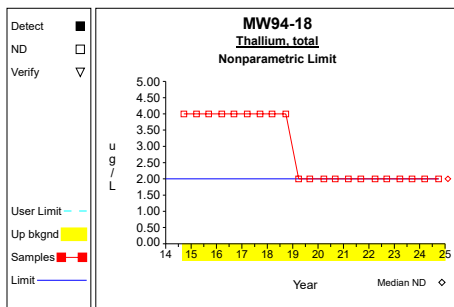
Graph 130



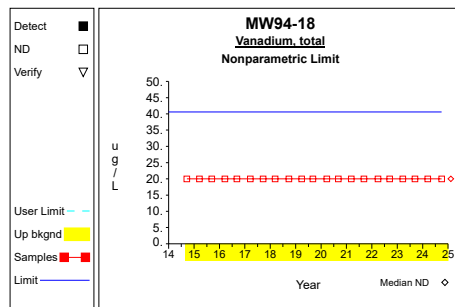
Graph 131



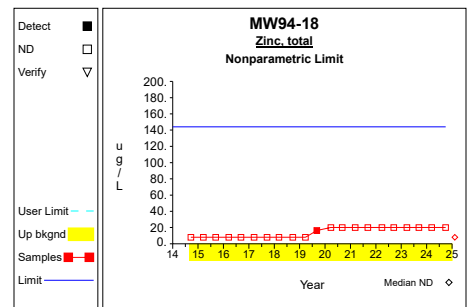
Graph 132



Graph 133

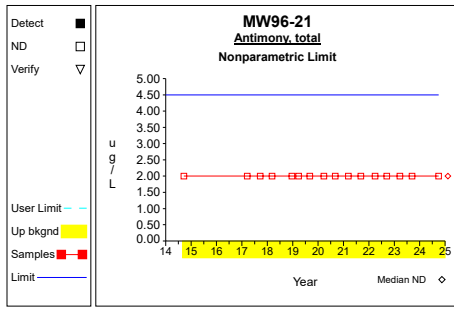


Graph 134

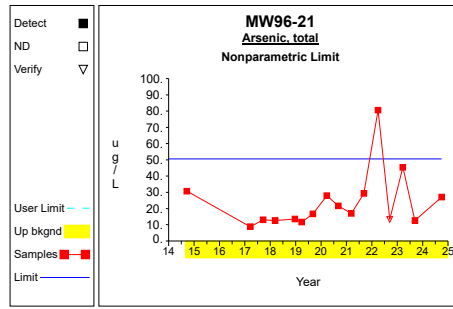


Graph 135

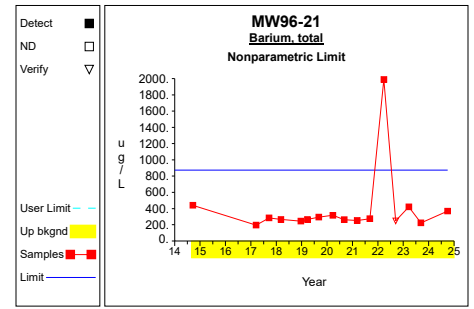
# Up vs. Down Prediction Limits



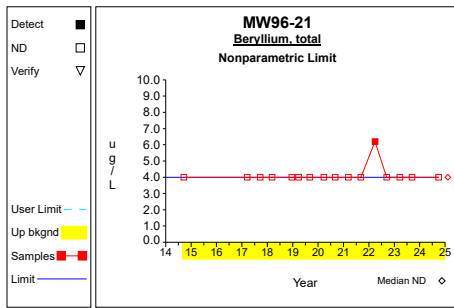
Graph 136



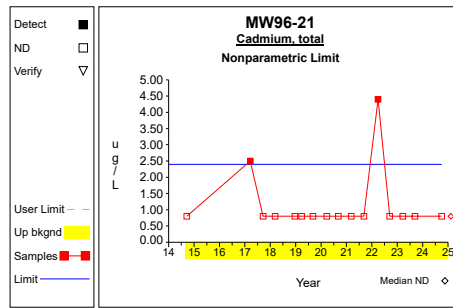
Graph 137



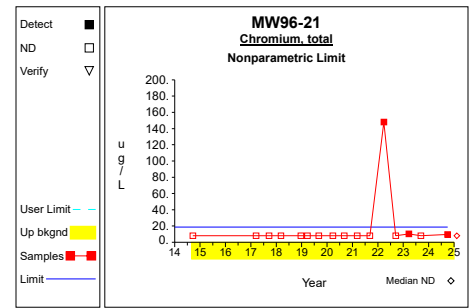
Graph 138



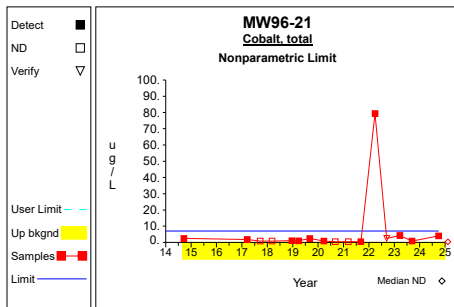
Graph 139



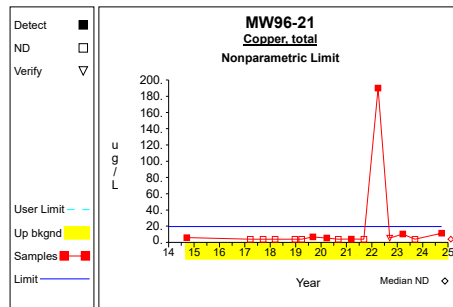
Graph 140



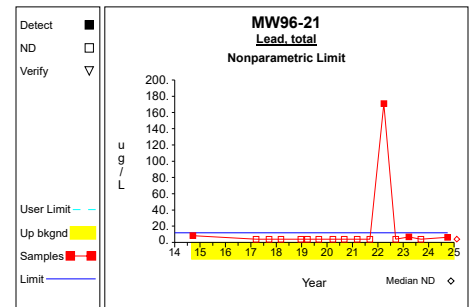
Graph 141



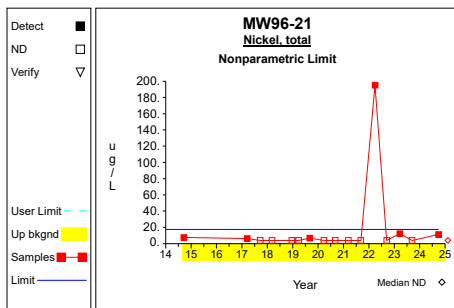
Graph 142



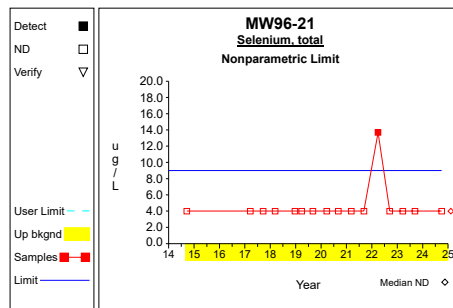
Graph 143



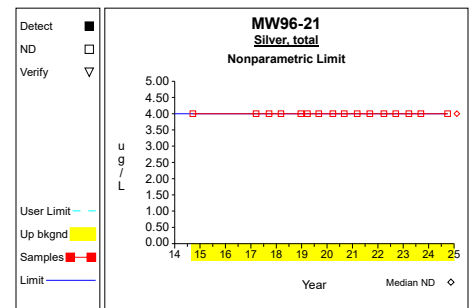
Graph 144



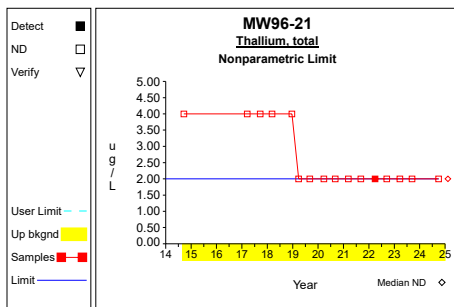
Graph 145



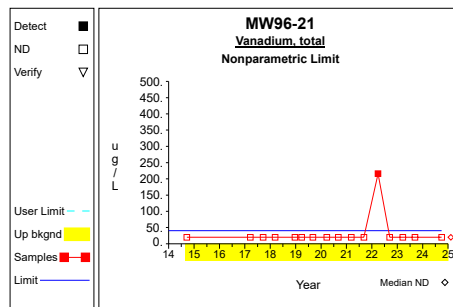
Graph 146



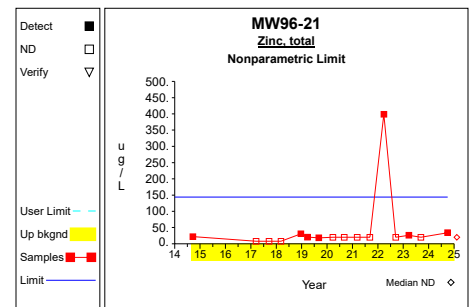
Graph 147



Graph 148

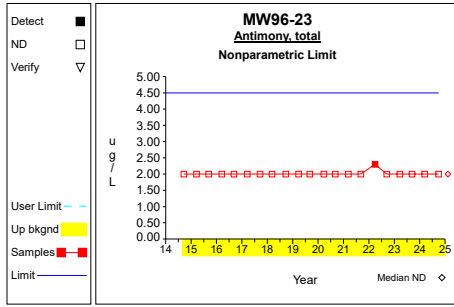


Graph 149

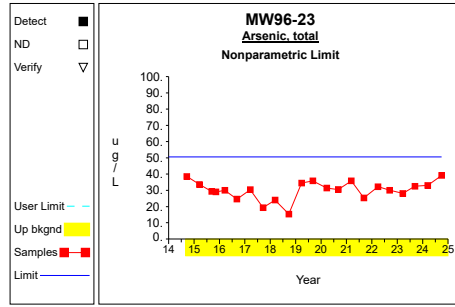


Graph 150

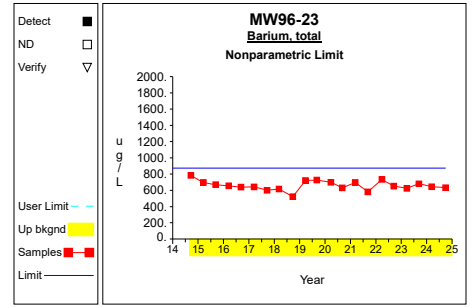
# Up vs. Down Prediction Limits



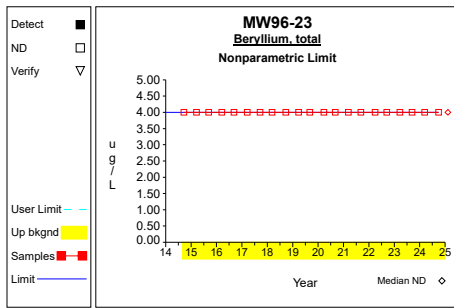
Graph 151



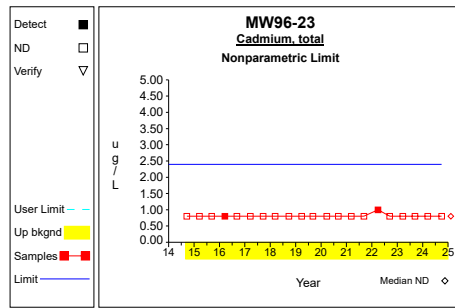
Graph 152



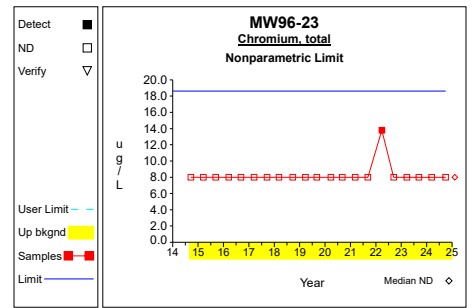
Graph 153



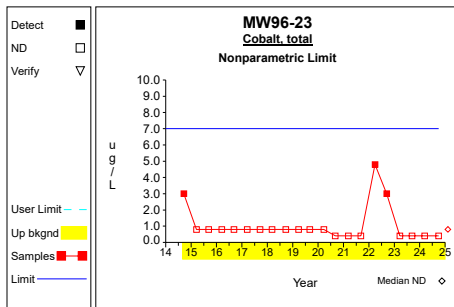
Graph 154



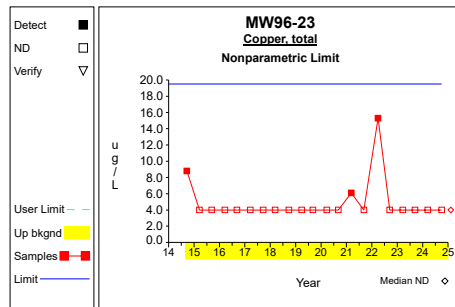
Graph 155



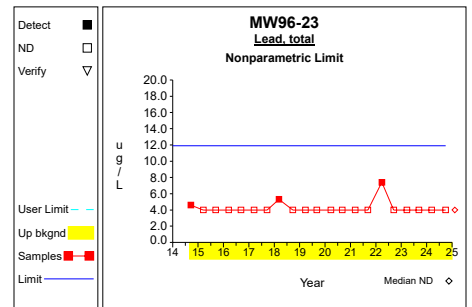
Graph 156



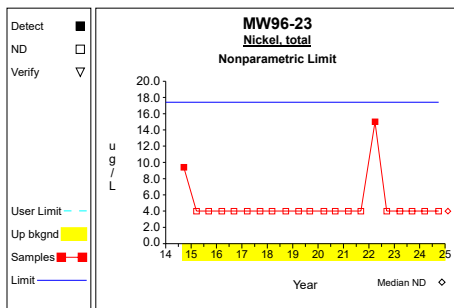
Graph 157



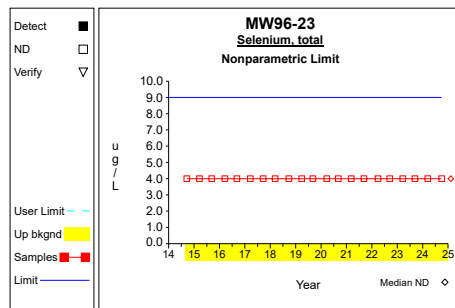
Graph 158



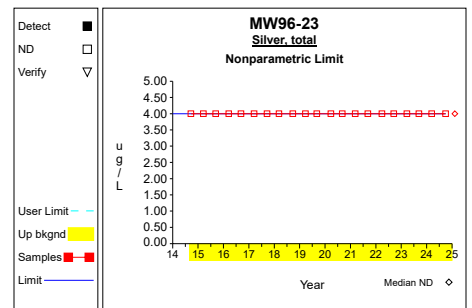
Graph 159



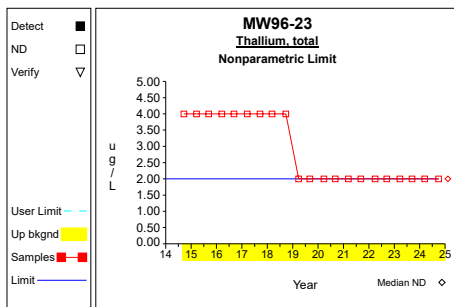
Graph 160



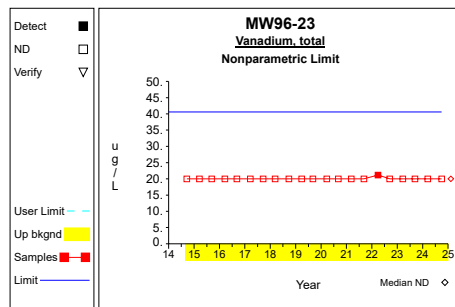
Graph 161



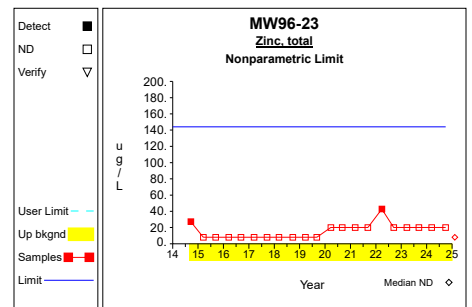
Graph 162



Graph 163

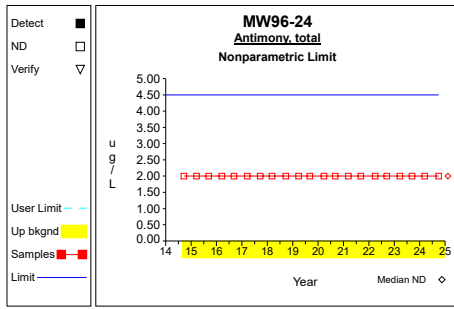


Graph 164

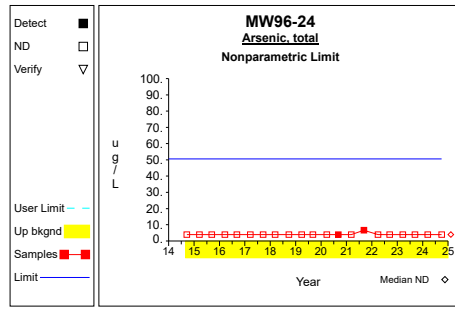


Graph 165

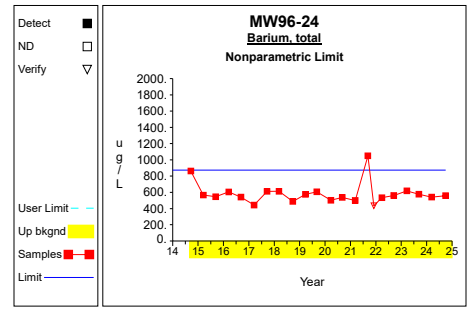
# Up vs. Down Prediction Limits



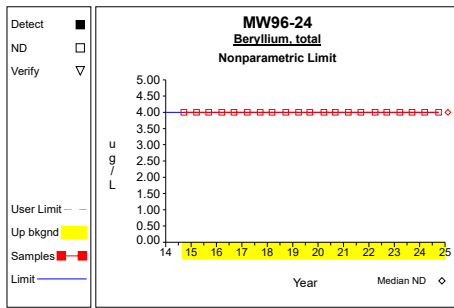
Graph 166



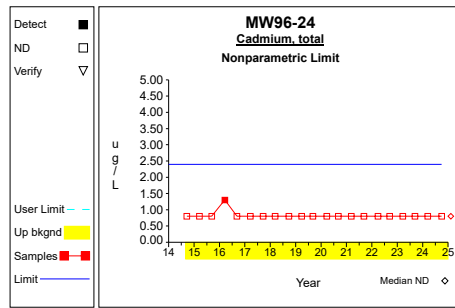
Graph 167



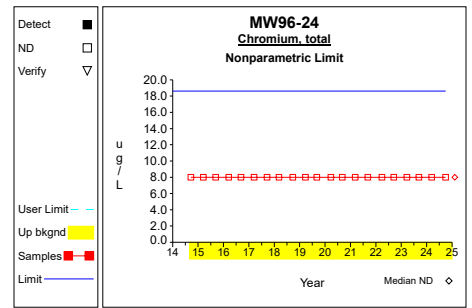
Graph 168



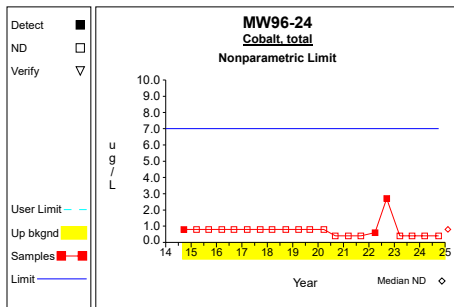
Graph 169



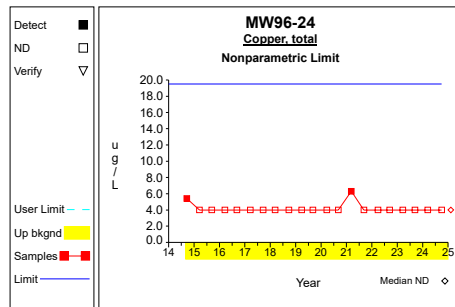
Graph 170



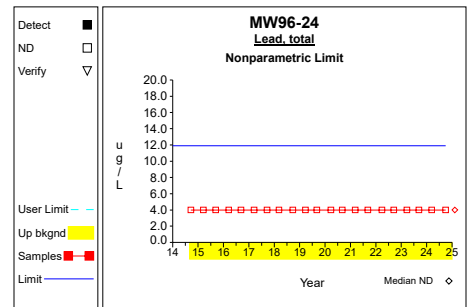
Graph 171



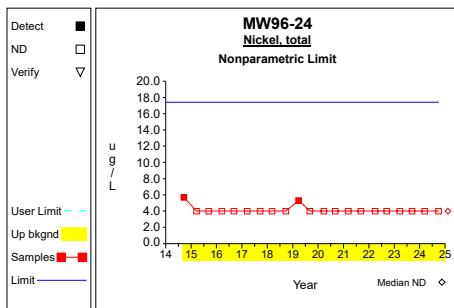
Graph 172



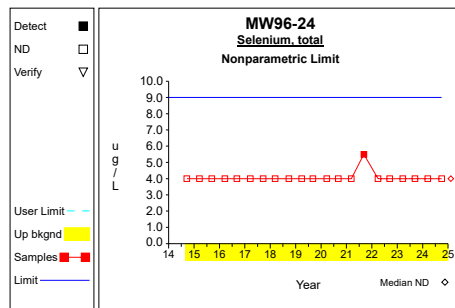
Graph 173



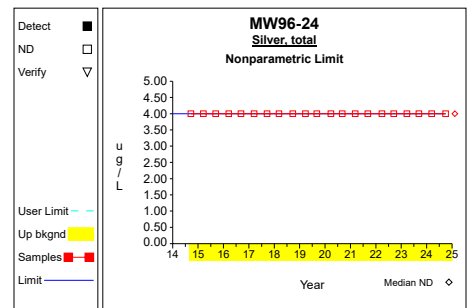
Graph 174



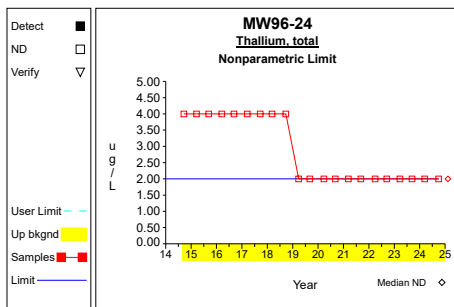
Graph 175



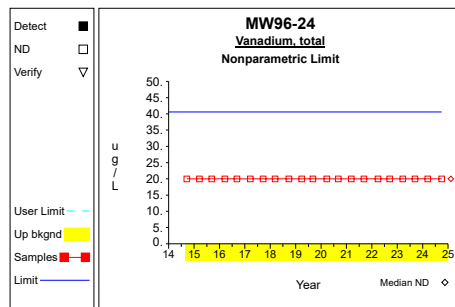
Graph 176



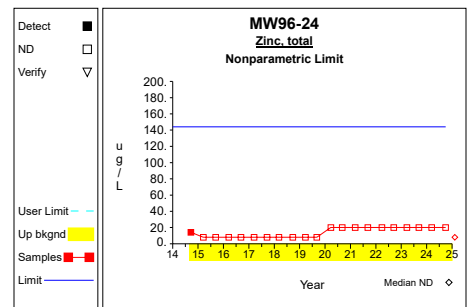
Graph 177



Graph 178

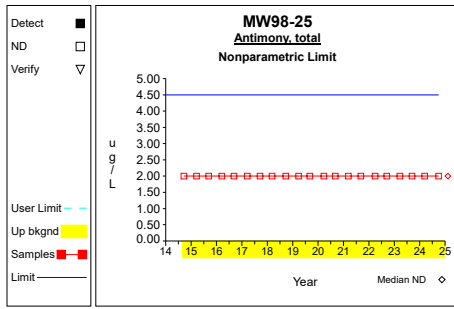


Graph 179

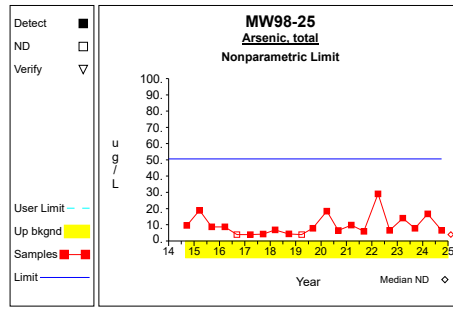


Graph 180

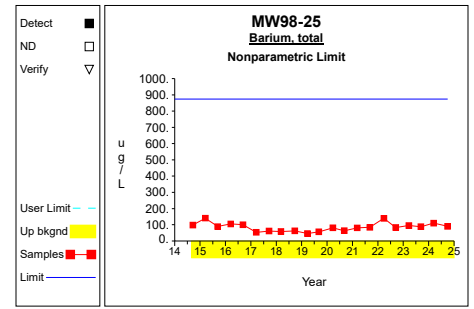
# Up vs. Down Prediction Limits



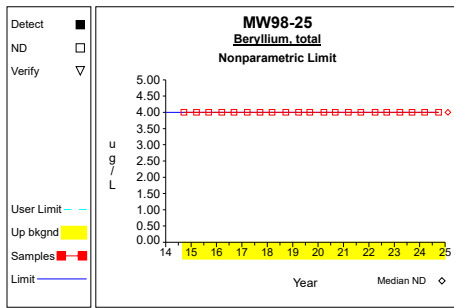
Graph 181



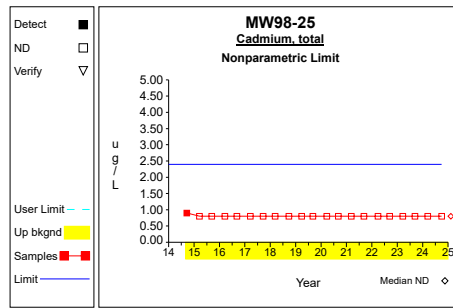
Graph 182



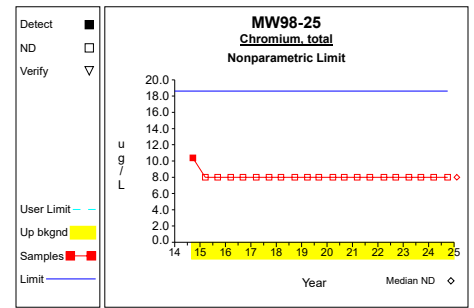
Graph 183



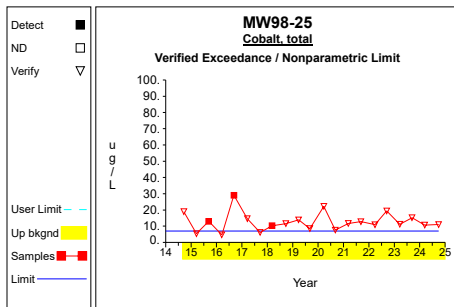
Graph 184



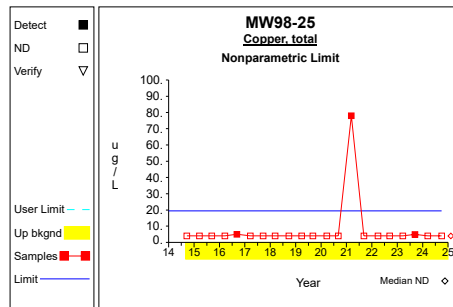
Graph 185



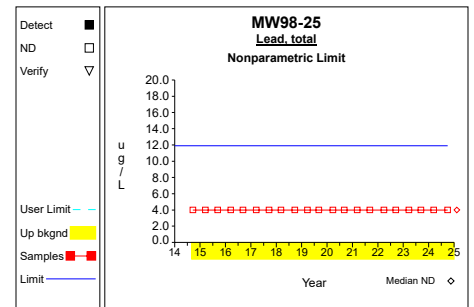
Graph 186



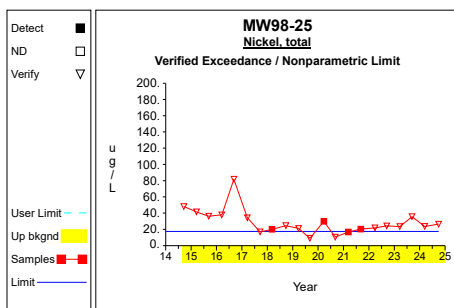
Graph 187



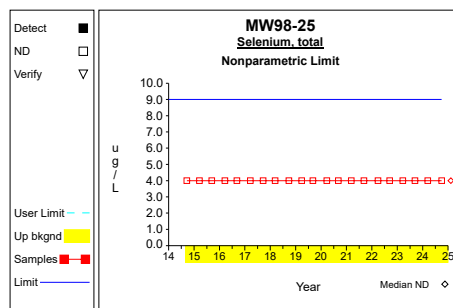
Graph 188



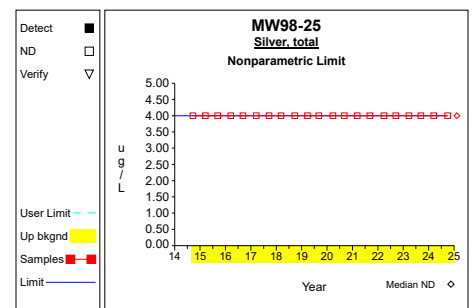
Graph 189



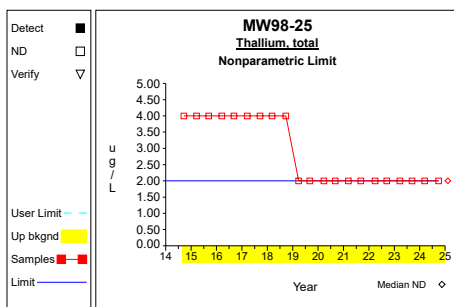
Graph 190



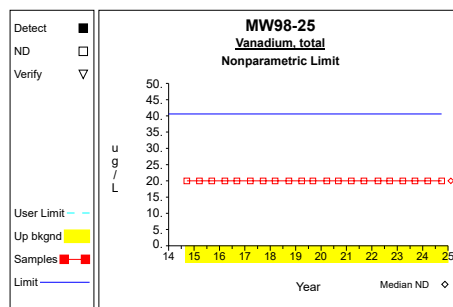
Graph 191



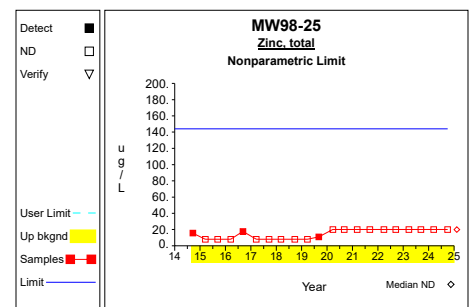
Graph 192



Graph 193



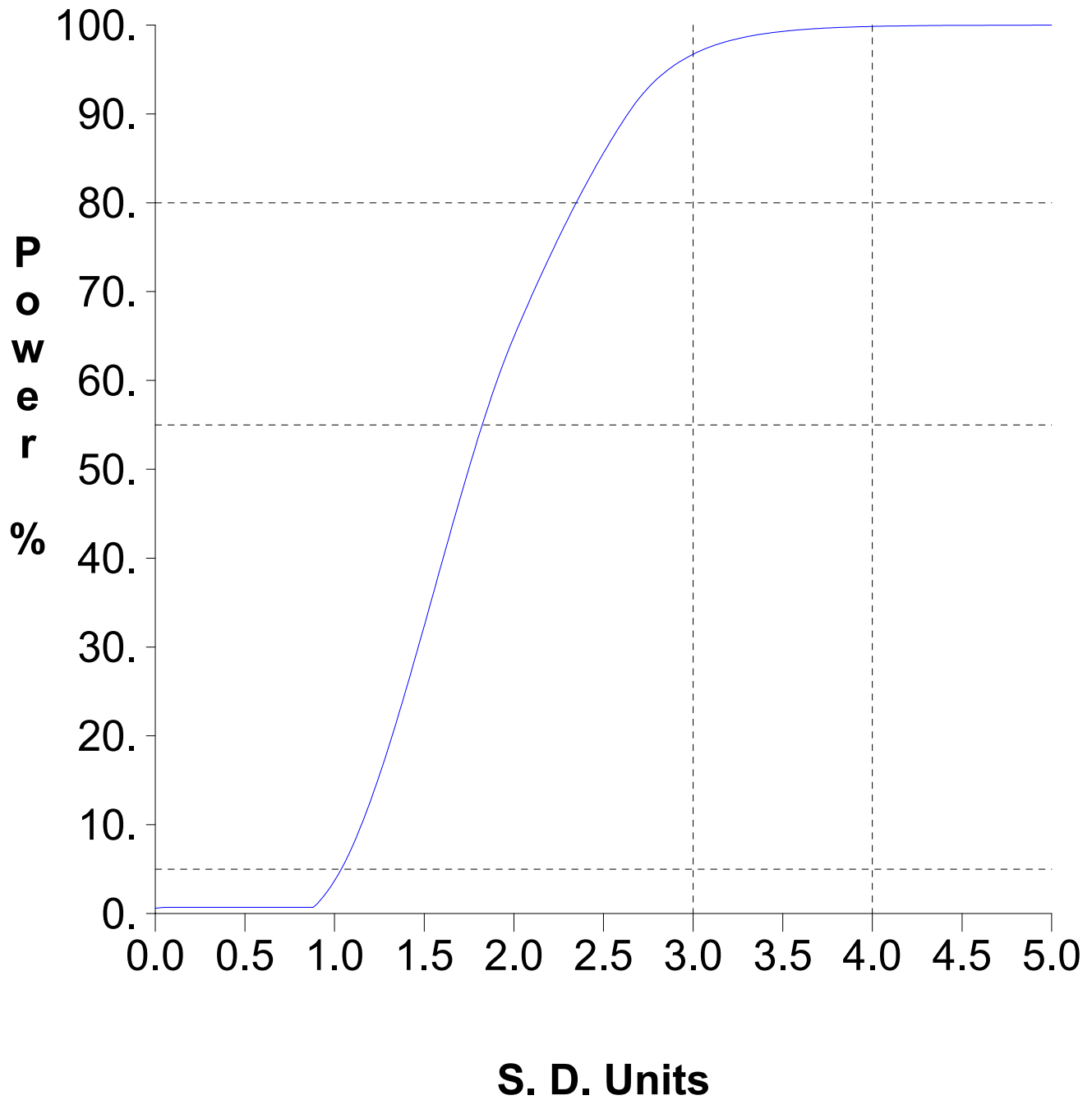
Graph 194



Graph 195



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



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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 4.5   | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 50.6  | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 874.0 | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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

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

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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 2.4   | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 18.6  | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 7.0   | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 19.5  | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 11.9  | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 17.4  | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 9.0   | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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

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

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

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

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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 40.6  | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

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

| <b><u>Step</u></b> | <b><u>Equation</u></b> | <b><u>Description</u></b>   |
|--------------------|------------------------|---|
| 1                  | PL = max(X)<br>= 144.0 | Compute nonparametric prediction limit as largest background measurement.     |
| 2                  | Conf = 0.99            | Confidence level is based on N, K and resampling strategy (see Gibbons 1994). |

**Table 1**

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

| Constituent    | Units | Well    | N | Mean   | SD     | Factor | 95% LCL | 95% UCL | Standard | Trend |    |
|----------------|-------|---------|---|--------|--------|--------|---------|---------|----------|-------|----|
| Cadmium, total | ug/L  | GU-3    | 4 | 0.400  | 0.000  | 1.176  | 0.400   | 0.400   | 5.000    |       |    |
| Cobalt, total  | ug/L  | GU-3    | 4 | 1.775  | 1.228  | 1.176  | 0.330   | 3.220   | 2.100    |       |    |
| Nickel, total  | ug/L  | GU-3    | 4 | 20.750 | 11.435 | 1.176  | 7.300   | 34.200  | 100.000  |       |    |
| Cadmium, total | ug/L  | MW88-3  | 4 | 1.700  | 2.600  | 1.176  | 0.000   | 4.758   | 5.000    |       |    |
| Cobalt, total  | ug/L  | MW88-3  | 4 | 1.600  | 0.800  | 1.176  | 0.659   | 2.541   | 2.100    |       |    |
| Nickel, total  | ug/L  | MW88-3  | 4 | 2.000  | 0.000  | 1.176  | 2.000   | 2.000   | 100.000  |       |    |
| Cadmium, total | ug/L  | MW98-25 | 4 | 0.400  | 0.000  | 1.176  | 0.400   | 0.400   | 5.000    |       |    |
| Cobalt, total  | ug/L  | MW98-25 | 4 | 12.025 | 2.127  | 1.176  | 9.523   | 14.527  | 2.100    | dec   | ** |
| Nickel, total  | ug/L  | MW98-25 | 4 | 27.300 | 5.776  | 1.176  | 20.505  | 34.095  | 100.000  | dec   | ** |

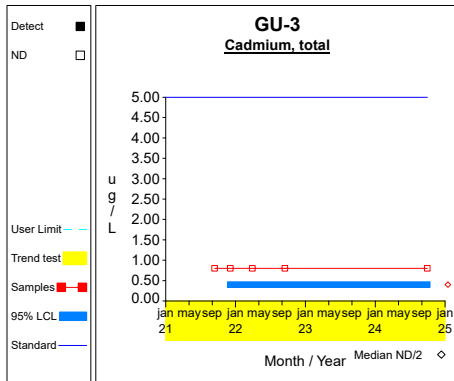
\* - Insufficient Data

\*\* - Significant Exceedance

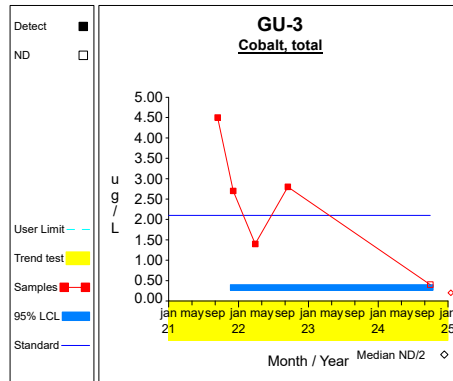
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

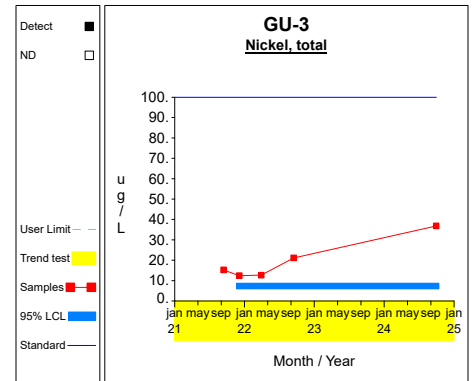
# Confidence Limits (Assessment)



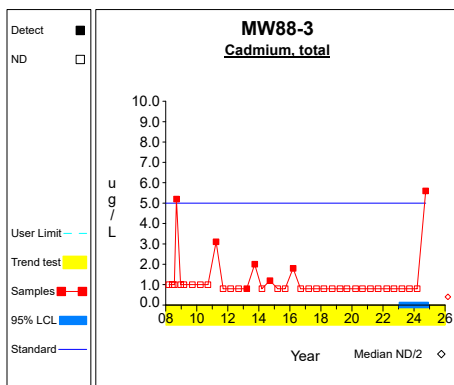
**Graph 1**



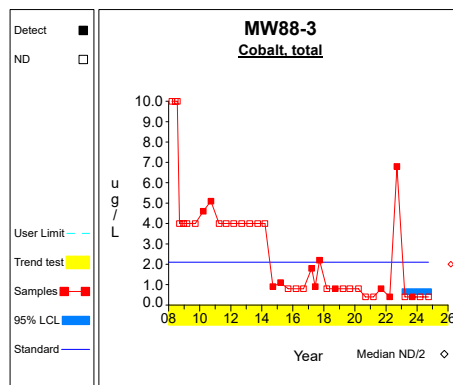
**Graph 2**



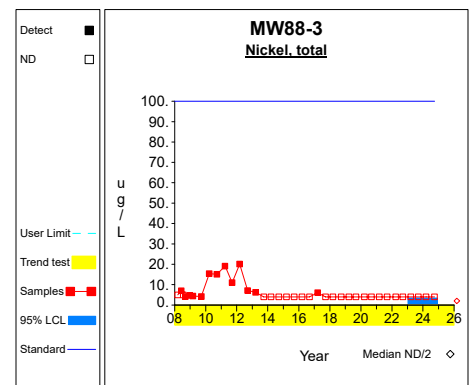
**Graph 3**



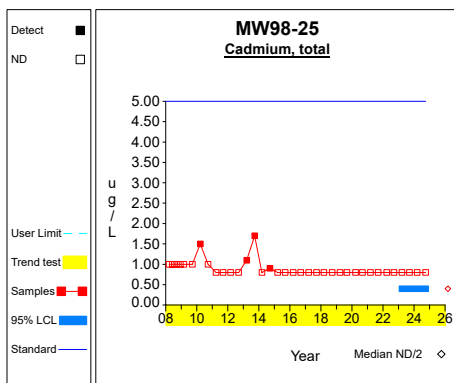
**Graph 4**



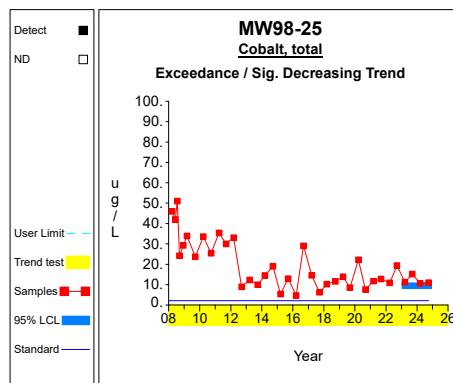
**Graph 5**



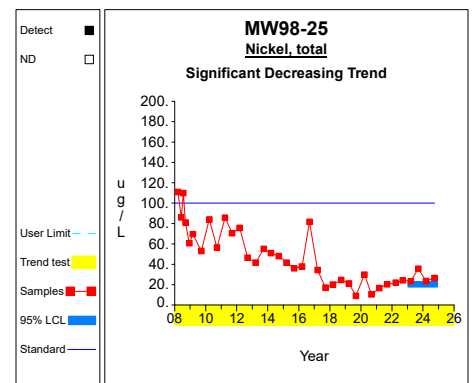
**Graph 6**



**Graph 7**



**Graph 8**



**Graph 9**

**Worksheet 6 - Assessment Monitoring**  
**Cadmium, total (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 1.6 / 4$ $= 0.4$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ( (\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1) )^{1/2}$ $= ( (0.64 - 2.56/4) / (4-1) )^{1/2}$ $= 4.21 \times 10^{-9}$ | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 0.4 - 2.353 * 4.21 \times 10^{-9} / 4^{1/2}$ $= 0.4$                                 | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 0.4 + 2.353 * 4.21 \times 10^{-9} / 4^{1/2}$ $= 0.4$                                 | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 5 * (5-1) / 2$ $= 10$   | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 0.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (10 \pm 2.576 * 0.0^{1/2}) / 2$ $= [ 5.0, 5.0 ]$                    | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ 0.0, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |



**Worksheet 6 - Assessment Monitoring**  
**Cobalt, total (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 7.1 / 4$ $= 1.775$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((17.13 - 50.41/4) / (4-1))^{1/2}$ $= 1.228$     | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 1.775 - 2.353 * 1.228/4^{1/2}$ $= 0.33$                                  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 1.775 + 2.353 * 1.228/4^{1/2}$ $= 3.22$                                  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 5 * (5-1) / 2$ $= 10$   | Number of sample pairs during trend detection period.   |
| 6           | $S = -1.342$  | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 16.667$  | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (10 \pm 2.576 * 16.667^{1/2}) / 2$ $= [-0.258, 10.258]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [-8.111, 2.988]$  | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Nickel, total (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 83.0 / 4$ $= 20.75$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((2114.5 - 6889.0/4) / (4-1))^{1/2}$ $= 11.435$  | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 20.75 - 2.353 * 11.435/4^{1/2}$ $= 7.3$                                  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 20.75 + 2.353 * 11.435/4^{1/2}$ $= 34.2$                                 | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 5 * (5-1) / 2$ $= 10$   | Number of sample pairs during trend detection period.   |
| 6           | $S = 7.389$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 16.667$  | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (10 \pm 2.576 * 16.667^{1/2}) / 2$ $= [-0.258, 10.258]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [-12.617, 17.93]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Cadmium, total (ug/L) at MW88-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 6.8 / 4$ $= 1.7$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = \left( \frac{\text{sum}[X^2] - \text{sum}[X]^2/N}{N-1} \right)^{1/2}$ $= \left( \frac{31.84 - 46.24/4}{4-1} \right)^{1/2}$ $= 2.6$ | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 1.7 - 2.353 * 2.6/4^{1/2}$ $= 0.0$   | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 1.7 + 2.353 * 2.6/4^{1/2}$ $= 4.758$   | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 37 * (37-1) / 2$ $= 666$  | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 2704.333$  | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (666 \pm 2.576 * 2704.333^{1/2}) / 2$ $= [ 266.02, 399.98 ]$                    | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ 0.0, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Cobalt, total (ug/L) at MW88-3**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 6.4 / 4$ $= 1.6$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((12.16 - 40.96/4) / (4-1))^{1/2}$ $= 0.8$              | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 1.6 - 2.353 * 0.8/4^{1/2}$ $= 0.659$  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 1.6 + 2.353 * 0.8/4^{1/2}$ $= 2.541$  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 38 * (38-1) / 2$ $= 703$   | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$  | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 4265.667$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (703 \pm 2.576 * 4265.667^{1/2}) / 2$ $= [ 267.378, 435.622 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ 0.0, 0.0 ]$  | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0  | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Nickel, total (ug/L) at MW88-3**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 8.0 / 4$ $= 2.0$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((16.0 - 64.0/4) / (4-1))^{1/2}$ $= 0.0$                | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 2.0 - 2.353 * 0.0/4^{1/2}$ $= 2.0$  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 2.0 + 2.353 * 0.0/4^{1/2}$ $= 2.0$  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 37 * (37-1) / 2$ $= 666$   | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$  | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 4219.667$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (666 \pm 2.576 * 4219.667^{1/2}) / 2$ $= [ 249.333, 416.667 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ -0.279, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0  | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Cadmium, total (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 1.6 / 4$ $= 0.4$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((0.64 - 2.56/4) / (4-1))^{1/2}$ $= 4.21 \times 10^{-9}$ | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 0.4 - 2.353 * 4.21 \times 10^{-9} / 4^{1/2}$ $= 0.4$                             | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 0.4 + 2.353 * 4.21 \times 10^{-9} / 4^{1/2}$ $= 0.4$                             | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 37 * (37-1) / 2$ $= 666$  | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 1680.667$  | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (666 \pm 2.576 * 1680.667^{1/2}) / 2$ $= [280.197, 385.803]$    | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [0.0, 0.0]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Cobalt, total (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 48.1 / 4$ $= 12.025$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = \left( \frac{\text{sum}[X^2] - \text{sum}[X]^2/N}{N-1} \right)^{1/2}$ $= \left( \frac{591.97 - 2313.61/4}{4-1} \right)^{1/2}$ $= 2.127$ | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 12.025 - 2.353 * 2.127/4^{1/2}$ $= 9.523$   | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 12.025 + 2.353 * 2.127/4^{1/2}$ $= 14.527$  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 37 * (37-1) / 2$ $= 666$   | Number of sample pairs during trend detection period.   |
| 6           | $S = -1.385$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 5846.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (666 \pm 2.576 * 5846.0^{1/2}) / 2$ $= [ 234.521, 431.479 ]$                         | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ -2.367, -0.448 ]$  | Two-sided confidence interval for slope.  |
| 10          | $\text{UCL}(S) < 0$  | <b>Significant decreasing trend.</b>  |

**Worksheet 6 - Assessment Monitoring**  
**Nickel, total (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 109.2 / 4$ $= 27.3$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = \left( \frac{\text{sum}[X^2] - \text{sum}[X]^2/N}{N-1} \right)^{1/2}$ $= \left( \frac{3081.26 - 11924.64/4}{4-1} \right)^{1/2}$ $= 5.776$ | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 27.3 - 2.353 * 5.776/4^{1/2}$ $= 20.505$  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 27.3 + 2.353 * 5.776/4^{1/2}$ $= 34.095$  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 37 * (37-1) / 2$ $= 666$   | Number of sample pairs during trend detection period.   |
| 6           | $S = -4.25$  | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 5846.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (666 \pm 2.576 * 5846.0^{1/2}) / 2$ $= [ 234.521, 431.479 ]$                           | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ -5.97, -2.785 ]$   | Two-sided confidence interval for slope.  |
| 10          | $\text{UCL}(S) < 0$  | <b>Significant decreasing trend.</b>  |



**Attachment C**

Summary Table of Historical VOC Detections

Table 1

## Historical Volatile Organic Compound Detections

| Constituent                 | Well     | Date       | Identifier | Result | Limit | Units |
|-----------------------------|----------|------------|------------|--------|-------|-------|
| Benzene                     | GU-3     | 9/13/2021  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | GU-3     | 12/03/2021 |            | 6.0    | 1.0   | ug/L  |
| Benzene                     | GU-3     | 3/28/2022  |            | 6.2    | 1.0   | ug/L  |
| Benzene                     | GU-3     | 9/15/2022  |            | 6.1    | 1.0   | ug/L  |
| Benzene                     | GU-3     | 9/30/2024  |            | 6.0    | 1.0   | ug/L  |
| Chlorobenzene               | GU-3     | 3/28/2022  |            | 1.8    | 1.0   | ug/L  |
| Chlorobenzene               | GU-3     | 9/15/2022  |            | 1.7    | 1.0   | ug/L  |
| Chlorobenzene               | GU-3     | 9/30/2024  |            | 1.3    | 1.0   | ug/L  |
| Chloroethane                | GU-3     | 9/13/2021  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane                | GU-3     | 12/03/2021 |            | 2.0    | 1.0   | ug/L  |
| Chloroethane                | GU-3     | 9/15/2022  |            | 1.6    | 1.0   | ug/L  |
| Chloroethane                | GU-3     | 9/30/2024  |            | 1.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene    | GU-3     | 9/13/2021  |            | 1.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene    | GU-3     | 12/03/2021 |            | 10.5   | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene    | GU-3     | 9/15/2022  |            | 11.9   | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene    | GU-3     | 9/30/2024  |            | 4.3    | 1.0   | ug/L  |
| Ethylbenzene                | GU-3     | 9/15/2022  |            | 1.8    | 1.0   | ug/L  |
| Vinyl chloride              | GU-3     | 12/03/2021 |            | 3.6    | 1.0   | ug/L  |
| Vinyl chloride              | GU-3     | 3/28/2022  |            | 3.0    | 1.0   | ug/L  |
| Vinyl chloride              | GU-3     | 9/15/2022  |            | 1.9    | 1.0   | ug/L  |
| Vinyl chloride              | GU-3     | 9/30/2024  |            | 1.2    | 1.0   | ug/L  |
| Benzene                     | GU-4     | 3/28/2022  |            | 1.4    | 1.0   | ug/L  |
| Toluene                     | GU-4     | 9/14/2022  |            | 1.9    | 1.0   | ug/L  |
| Acetone                     | GWD-2    | 3/14/2008  |            | 35.5   | 10.0  | ug/L  |
| Benzene                     | GWD-2    | 3/14/2008  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 7/22/2008  |            | 1.1    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 9/12/2008  |            | 1.2    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 12/18/2008 |            | 1.1    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 3/04/2009  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 9/21/2010  |            | 1.6    | 1.0   | ug/L  |
| Bis(2-ethylhexyl) phthalate | GWD-2    | 10/01/2010 |            | 9      | 8     | ug/L  |
| Chloroethane                | GWD-2    | 3/14/2008  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 7/22/2008  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 9/12/2008  |            | 1.3    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 12/18/2008 |            | 1.1    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 3/04/2009  |            | 1.1    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 7/01/2009  |            | 1.0    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 9/27/2009  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 3/24/2010  |            | 4.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 6/02/2010  |            | 7.5    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 7/15/2010  |            | 5.9    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 9/21/2010  |            | 24.8   | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 3/14/2008  |            | 1.6    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 6/03/2008  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 7/22/2008  |            | 1.4    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 9/12/2008  |            | 1.5    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 12/18/2008 |            | 2.2    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 3/04/2009  |            | 2.1    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 5/05/2009  |            | 1.2    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 7/01/2009  |            | 1.1    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 9/27/2009  |            | 1.9    | 1.0   | ug/L  |
| Carbon disulfide            | MW02-30A | 6/07/2016  |            | 1.7    | 1.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-37  | 7/23/2008  |            | 96.8   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-37  | 9/12/2008  |            | 93.1   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-37  | 12/11/2008 |            | 83.5   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-38  | 7/23/2008  |            | 83.2   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-38  | 9/12/2008  |            | 93.7   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-38  | 12/11/2008 |            | 85.8   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-39  | 7/23/2008  |            | 78.9   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-39  | 9/12/2008  |            | 100.0  | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-39  | 12/11/2008 |            | 92.0   | 8.0   | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW09-42  | 9/24/2018  |            | 7      | 6     | ug/L  |
| Acetone                     | MW91-8   | 9/19/2017  |            | 12.4   | 10.0  | ug/L  |
| Trans-1,4-dichloro-2-butene | MW91-8   | 3/16/2016  |            | 33     | 5     | ug/L  |
| 1,1,1-trichloroethane       | MW94-18  | 12/23/1994 |            | 2      | 1     | ug/L  |
| 1,1,1-trichloroethane       | MW94-18  | 3/17/1995  |            | 2      | 1     | ug/L  |
| 1,1-dichloroethane          | MW96-23  | 9/27/2013  |            | 1.3    | 1.0   | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW96-23  | 3/07/2012  |            | 10     | 8     | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 9/04/2020  |            | 1.1    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/09/2021  |            | 1.8    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 9/07/2021  |            | 2.3    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/28/2022  |            | 1.5    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/20/2023  |            | 1.7    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 9/12/2023  |            | 1.6    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/12/2024  |            | 1.1    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 9/30/2024  |            | 1.2    | 1.0   | ug/L  |

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

Table 1

## Historical Volatile Organic Compound Detections

| Constituent                 | Well    | Date       | Identifier | Result | Limit | Units |
|-----------------------------|---------|------------|------------|--------|-------|-------|
| 1,4-dichlorobenzene         | MW98-25 | 9/20/2007  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 6/04/2008  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 7/23/2008  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/12/2008  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 12/11/2008 |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/04/2009  |            | 1.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/04/2009  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/20/2009  |            | 1.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/26/2010  |            | 2.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/24/2010  |            | 2.6    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/14/2011  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/07/2012  |            | 1.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/08/2016  |            | 2.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/18/2017  |            | 2.0    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/19/2017  |            | 1.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/24/2018  |            | 2.9    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/04/2020  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/09/2021  |            | 1.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/07/2021  |            | 2.0    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/28/2022  |            | 1.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/20/2023  |            | 1.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/12/2023  |            | 2.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/12/2024  |            | 1.6    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/30/2024  |            | 1.8    | 1.0   | ug/L  |
| 2,4,6-tribromophenol        | MW98-25 | 7/23/2008  |            | 105.0  | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW98-25 | 9/12/2008  |            | 120.0  | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW98-25 | 12/11/2008 |            | 97.1   | 8.0   | ug/L  |
| Acetone                     | MW98-25 | 6/04/2008  |            | 12.1   | 10.0  | ug/L  |
| Acetone                     | MW98-25 | 3/30/2011  |            | 54.0   | 10.0  | ug/L  |
| Acetone                     | MW98-25 | 3/07/2012  |            | 14.8   | 10.0  | ug/L  |
| Acetone                     | MW98-25 | 3/08/2018  |            | 46.5   | 10.0  | ug/L  |
| Benzene                     | MW98-25 | 3/09/2004  |            | 4.2    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/14/2004  |            | 3.3    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/30/2006  |            | 2.5    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/15/2006  |            | 2.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/20/2007  |            | 2.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/17/2008  |            | 6.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 6/04/2008  |            | 8.9    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 7/23/2008  |            | 5.5    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/12/2008  |            | 5.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 12/11/2008 |            | 7.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/04/2009  |            | 6.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/04/2009  |            | 6.5    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/20/2009  |            | 6.1    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/26/2010  |            | 6.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/24/2010  |            | 5.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/30/2011  |            | 4.7    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/14/2011  |            | 4.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/07/2012  |            | 5.8    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/27/2013  |            | 1.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/13/2014  |            | 1.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/18/2014  |            | 5.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/11/2015  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/08/2016  |            | 1.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/08/2018  |            | 1.9    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/09/2021  |            | 1.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/07/2021  |            | 2.7    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/28/2022  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/12/2023  |            | 1.4    | 1.0   | ug/L  |
| Beta-bhc                    | MW98-25 | 9/12/2008  |            | .14    | .05   | ug/L  |
| Beta-bhc                    | MW98-25 | 3/13/2014  |            | .07    | .05   | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW98-25 | 12/11/2008 |            | 13     | 8     | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW98-25 | 9/27/2013  |            | 10     | 10    | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW98-25 | 9/19/2017  |            | 6      | 6     | ug/L  |
| Chlorobenzene               | MW98-25 | 3/17/2008  |            | 1.1    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 6/04/2008  |            | 2.8    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 7/23/2008  |            | 2.2    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/12/2008  |            | 2.4    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 12/11/2008 |            | 2.3    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/04/2009  |            | 1.9    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/04/2009  |            | 1.8    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/26/2010  |            | 1.4    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/24/2010  |            | 2.1    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/14/2011  |            | 1.2    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/07/2012  |            | 1.3    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/18/2014  |            | 1.3    | 1.0   | ug/L  |

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

Table 1

## Historical Volatile Organic Compound Detections

| Constituent              | Well    | Date       | Identifier | Result | Limit | Units |
|--------------------------|---------|------------|------------|--------|-------|-------|
| Chlorobenzene            | MW98-25 | 9/07/2021  |            | 1.0    | 1.0   | ug/L  |
| Chlorobenzene            | MW98-25 | 9/12/2023  |            | 1.3    | 1.0   | ug/L  |
| Chlorobenzene            | MW98-25 | 9/30/2024  |            | 1.0    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/17/2008  |            | 4.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 6/04/2008  |            | 2.5    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 7/23/2008  |            | 2.1    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/12/2008  |            | 2.3    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 12/11/2008 |            | 2.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/04/2009  |            | 2.4    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/04/2009  |            | 2.5    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/20/2009  |            | 1.8    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/26/2010  |            | 2.0    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/24/2010  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/30/2011  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/14/2011  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/07/2012  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/12/2012  |            | 1.8    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/27/2013  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/13/2014  |            | 2.0    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/16/2016  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/08/2016  |            | 1.0    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/08/2018  |            | 1.1    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/07/2021  |            | 1.5    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/20/2023  |            | 1.7    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/12/2023  |            | 1.5    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/12/2024  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/30/2024  |            | 1.0    | 1.0   | ug/L  |
| Chloromethane            | MW98-25 | 9/30/2024  |            | 1.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/17/2008  |            | 8.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 6/04/2008  |            | 6.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 7/23/2008  |            | 6.2    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/12/2008  |            | 6.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 12/11/2008 |            | 5.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/04/2009  |            | 5.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/04/2009  |            | 5.2    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/20/2009  |            | 5.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/26/2010  |            | 4.6    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/24/2010  |            | 7.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/30/2011  |            | 6.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/14/2011  |            | 6.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/07/2012  |            | 6.7    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/12/2012  |            | 3.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/20/2013  |            | 2.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/27/2013  |            | 4.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/13/2014  |            | 4.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/18/2014  |            | 4.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/17/2015  |            | 5.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/11/2015  |            | 1.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/16/2016  |            | 5.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/08/2016  |            | 2.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/18/2017  |            | 2.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/19/2017  |            | 1.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/08/2018  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/24/2018  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/25/2019  |            | 1.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/04/2020  |            | 2.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/09/2021  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/07/2021  |            | 3.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/28/2022  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/20/2023  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/12/2023  |            | 2.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/12/2024  |            | 1.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/30/2024  |            | 2.0    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 7/23/2008  |            | 6.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/12/2008  |            | 2.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/04/2009  |            | 21.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/27/2009  |            | 16.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/26/2010  |            | 34.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/24/2010  |            | 28.2   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/30/2011  |            | 32.0   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/14/2011  |            | 12.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/07/2012  |            | 34.5   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/12/2012  |            | 4.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/20/2013  |            | 13.0   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/27/2013  |            | 1.3    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/13/2014  |            | 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

Table 1

## Historical Volatile Organic Compound Detections

| Constituent              | Well    | Date       | Identifier | Result | Limit | Units |
|--------------------------|---------|------------|------------|--------|-------|-------|
| Dichlorodifluoromethane  | MW98-25 | 9/18/2014  |            | 24.3   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/11/2015  |            | 14.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/08/2016  |            | 6.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/18/2017  |            | 18.8   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/19/2017  |            | 6.9    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/08/2018  |            | 38.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/24/2018  |            | 1.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/25/2019  |            | 3.8    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/23/2020  |            | 19.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/04/2020  |            | 1.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/09/2021  |            | 8.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/07/2021  |            | 4.8    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/28/2022  |            | 1.7    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/20/2023  |            | 3.3    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/12/2023  |            | 2.1    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 6/04/2008  |            | 2.2    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 12/11/2008 |            | 1.8    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 9/20/2009  |            | 1.2    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 3/26/2010  |            | 2.6    | 1.0   | ug/L  |
| Toluene                  | MW98-25 | 6/04/2008  |            | 1.2    | 1.0   | ug/L  |
| Toluene                  | MW98-25 | 3/26/2010  |            | 1.2    | 1.0   | ug/L  |
| Toluene                  | MW98-25 | 9/24/2010  |            | 1.3    | 1.0   | ug/L  |
| Trichloroethylene        | MW98-25 | 6/04/2008  |            | 1.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 6/04/2008  |            | 28.7   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/12/2008  |            | 2.4    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/04/2009  |            | 16.0   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/04/2009  |            | 16.4   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/26/2010  |            | 27.0   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/24/2010  |            | 12.1   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/30/2011  |            | 19.3   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/14/2011  |            | 5.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/07/2012  |            | 16.4   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/12/2012  |            | 1.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/20/2013  |            | 6.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/27/2013  |            | 1.9    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/18/2014  |            | 3.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/08/2016  |            | 4.4    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/18/2017  |            | 4.3    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/19/2017  |            | 1.6    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/08/2018  |            | 2.5    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/23/2020  |            | 6.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/04/2020  |            | 1.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/09/2021  |            | 2.6    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/28/2022  |            | 1.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/20/2023  |            | 1.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/12/2023  |            | 1.1    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/12/2024  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/17/2008  |            | 2.8    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 6/04/2008  |            | 2.8    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 7/23/2008  |            | 1.9    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 12/11/2008 |            | 2.4    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/04/2009  |            | 2.5    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/04/2009  |            | 2.3    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/26/2010  |            | 1.6    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 9/24/2010  |            | 1.7    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/30/2011  |            | 1.5    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 9/14/2011  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/07/2012  |            | 1.4    | 1.0   | ug/L  |
| Xylenes, total           | MW98-25 | 6/04/2008  |            | 5.5    | 2.0   | ug/L  |
| Xylenes, total           | MW98-25 | 7/23/2008  |            | 2.5    | 2.0   | ug/L  |
| Benzene                  | PEC-3   | 3/28/2022  |            | 1.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | PEC-3   | 3/28/2022  |            | 3.2    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 9/21/2009  |            | 1.1    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/30/2011  |            | 1.0    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/09/2021  |            | 2.6    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/28/2022  |            | 1.4    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/20/2023  |            | 1.4    | 1.0   | ug/L  |
| 1,1-dichloroethylene     | Sramp 1 | 12/12/2008 |            | 1      | 1     | ug/L  |
| 1,2,4-trichlorobenzene   | Sramp 1 | 9/21/2009  |            | 5.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 7/21/2008  |            | 1.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/12/2008  |            | 1.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 12/12/2008 |            | 1.6    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/04/2009  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/21/2009  |            | 2.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/24/2010  |            | 3.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/30/2011  |            | 3.5    | 1.0   | ug/L  |

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

Table 1

## Historical Volatile Organic Compound Detections

| Constituent              | Well    | Date       | Identifier | Result | Limit | Units |
|--------------------------|---------|------------|------------|--------|-------|-------|
| 1,4-dichlorobenzene      | Sramp 1 | 9/14/2011  |            | 2.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/07/2012  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/20/2013  |            | 4.0    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/26/2013  |            | 3.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/17/2015  |            | 2.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/11/2015  |            | 6.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/16/2016  |            | 3.9    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/08/2016  |            | 4.6    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/18/2017  |            | 2.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/09/2021  |            | 5.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/28/2022  |            | 5.0    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/20/2023  |            | 6.5    | 1.0   | ug/L  |
| Acetone                  | Sramp 1 | 3/30/2011  |            | 40.1   | 10.0  | ug/L  |
| Acetone                  | Sramp 1 | 3/16/2016  |            | 82.1   | 10.0  | ug/L  |
| Acetone                  | Sramp 1 | 3/25/2019  |            | 19.3   | 10.0  | ug/L  |
| Acetone                  | Sramp 1 | 3/28/2022  |            | 23.5   | 10.0  | ug/L  |
| Benzene                  | Sramp 1 | 7/21/2008  |            | 4.7    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/12/2008  |            | 3.6    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/04/2009  |            | 1.3    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/21/2009  |            | 7.6    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/24/2010  |            | 4.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/30/2011  |            | 5.8    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/20/2013  |            | 3.5    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/26/2013  |            | 6.0    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/17/2015  |            | 2.6    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/11/2015  |            | 6.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/16/2016  |            | 5.0    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/08/2016  |            | 2.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/18/2017  |            | 2.0    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/25/2019  |            | 1.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/03/2019  |            | 1.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/09/2021  |            | 5.7    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/28/2022  |            | 4.8    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/20/2023  |            | 5.7    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 7/21/2008  |            | 1.6    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/12/2008  |            | 1.8    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/21/2009  |            | 2.8    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/24/2010  |            | 1.5    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/30/2011  |            | 1.5    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/20/2013  |            | 1.1    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/26/2013  |            | 2.1    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/11/2015  |            | 2.4    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/16/2016  |            | 1.9    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/08/2016  |            | 1.4    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/18/2017  |            | 1.1    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/25/2019  |            | 1.5    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/09/2021  |            | 1.7    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/28/2022  |            | 1.4    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/20/2023  |            | 1.7    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 7/21/2008  |            | 1.5    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/12/2008  |            | 1.0    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/04/2009  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/21/2009  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/30/2011  |            | 1.3    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/14/2011  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/26/2013  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/11/2015  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/16/2016  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/08/2016  |            | 2.0    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/18/2017  |            | 1.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/25/2019  |            | 2.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/03/2019  |            | 2.5    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/09/2021  |            | 2.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/28/2022  |            | 1.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/20/2023  |            | 2.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 7/21/2008  |            | 3.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/12/2008  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 12/12/2008 |            | 1.7    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/04/2009  |            | 1.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/21/2009  |            | 2.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/24/2010  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/30/2011  |            | 3.6    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/14/2011  |            | 2.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/20/2013  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/26/2013  |            | 3.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/17/2015  |            | 1.4    | 1.0   | ug/L  |

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

Table 1

## Historical Volatile Organic Compound Detections

| Constituent              | Well    | Date       | Identifier | Result | Limit | Units |
|--------------------------|---------|------------|------------|--------|-------|-------|
| Cis-1,2-dichloroethylene | Sramp 1 | 9/11/2015  |            | 2.7    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/16/2016  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/08/2016  |            | 2.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/18/2017  |            | 2.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/25/2019  |            | 4.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/03/2019  |            | 2.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/09/2021  |            | 4.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/28/2022  |            | 3.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/20/2023  |            | 3.0    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/21/2009  |            | 20.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/24/2010  |            | 7.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/07/2012  |            | 1.1    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/12/2012  |            | 2.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/20/2013  |            | 9.5    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/26/2013  |            | 20.3   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/17/2015  |            | 16.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/11/2015  |            | 40.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/16/2016  |            | 16.5   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/08/2016  |            | 40.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/18/2017  |            | 34.8   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/19/2017  |            | 3.1    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/25/2019  |            | 38.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/09/2021  |            | 50.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/28/2022  |            | 12.2   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/20/2023  |            | 18.4   | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 7/21/2008  |            | 2.6    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 9/12/2008  |            | 2.0    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 9/21/2009  |            | 7.7    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 9/24/2010  |            | 2.7    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 3/30/2011  |            | 2.3    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 9/14/2011  |            | 1.8    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 9/26/2013  |            | 3.5    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 3/16/2016  |            | 2.1    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 3/09/2021  |            | 1.9    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 7/21/2008  |            | 26.0   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/12/2008  |            | 12.7   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 12/12/2008 |            | 17.7   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/04/2009  |            | 26.8   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/21/2009  |            | 14.1   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/24/2010  |            | 3.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/30/2011  |            | 7.3    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/14/2011  |            | 2.8    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/20/2013  |            | 4.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/26/2013  |            | 3.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/11/2015  |            | 7.3    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/16/2016  |            | 39.1   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/08/2016  |            | 24.2   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/18/2017  |            | 17.9   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/19/2017  |            | 2.1    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/25/2019  |            | 22.5   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/09/2021  |            | 28.0   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/28/2022  |            | 8.1    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/20/2023  |            | 9.1    | 1.0   | ug/L  |
| Vinyl chloride           | Sramp 1 | 7/21/2008  |            | 1.1    | 1.0   | ug/L  |
| Vinyl chloride           | Sramp 1 | 9/12/2008  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride           | Sramp 1 | 12/12/2008 |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride           | Sramp 1 | 3/04/2009  |            | 1.0    | 1.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 7/21/2008  |            | 3.4    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 9/12/2008  |            | 2.8    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 12/12/2008 |            | 2.3    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 9/21/2009  |            | 5.9    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 9/24/2010  |            | 5.7    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 9/14/2011  |            | 3.2    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 9/26/2013  |            | 3.4    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 3/16/2016  |            | 2.4    | 2.0   | ug/L  |
| Acetone                  | SRAMP 2 | 3/13/2014  |            | 82.2   | 10.0  | ug/L  |
| Ethylbenzene             | SRAMP 2 | 9/24/2018  |            | 1.5    | 1.0   | ug/L  |
| Xylenes, total           | SRAMP 2 | 9/24/2018  |            | 8.1    | 2.0   | 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 D**

Assessment Statistics for Detected 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  | GU-3    | 4 | 0.500 | 0.000 | 1.176  | 0.500   | 0.500   | 140.000  |       |    |
| 1,4-dichlorobenzene      | ug/L  | GU-3    | 4 | 0.500 | 0.000 | 1.176  | 0.500   | 0.500   | 75.000   |       |    |
| Benzene                  | ug/L  | GU-3    | 4 | 6.075 | 0.096 | 1.176  | 5.962   | 6.188   | 5.000    |       | ** |
| Chlorobenzene            | ug/L  | GU-3    | 4 | 1.325 | 0.591 | 1.176  | 0.630   | 2.020   | 100.000  |       |    |
| Chloroethane             | ug/L  | GU-3    | 4 | 1.525 | 0.377 | 1.176  | 1.081   | 1.969   | 2800.000 |       |    |
| Chloromethane            | ug/L  | GU-3    | 4 | 0.500 | 0.000 | 1.176  | 0.500   | 0.500   |          |       |    |
| Cis-1,2-dichloroethylene | ug/L  | GU-3    | 4 | 6.925 | 5.149 | 1.176  | 0.869   | 12.981  | 70.000   |       | *  |
| Dichlorodifluoromethane  | ug/L  | GU-3    | 0 |       |       |        |         |         |          |       |    |
| Trichlorofluoromethane   | ug/L  | GU-3    | 4 | 0.500 | 0.000 | 1.176  | 0.500   | 0.500   | 2000.000 |       |    |
| Vinyl chloride           | ug/L  | GU-3    | 4 | 2.425 | 1.078 | 1.176  | 1.157   | 3.693   | 2.000    |       |    |
| 1,1-dichloroethane       | ug/L  | MW98-25 | 4 | 1.400 | 0.294 | 1.176  | 1.054   | 1.746   | 140.000  |       |    |
| 1,4-dichlorobenzene      | ug/L  | MW98-25 | 4 | 1.750 | 0.500 | 1.176  | 1.162   | 2.338   | 75.000   |       |    |
| Benzene                  | ug/L  | MW98-25 | 4 | 0.725 | 0.450 | 1.176  | 0.196   | 1.254   | 5.000    |       |    |
| Chlorobenzene            | ug/L  | MW98-25 | 4 | 0.825 | 0.395 | 1.176  | 0.361   | 1.289   | 100.000  |       |    |
| Chloroethane             | ug/L  | MW98-25 | 4 | 1.400 | 0.294 | 1.176  | 1.054   | 1.746   | 2800.000 | dec   |    |
| Chloromethane            | ug/L  | MW98-25 | 4 | 0.825 | 0.650 | 1.176  | 0.060   | 1.590   |          |       |    |
| Cis-1,2-dichloroethylene | ug/L  | MW98-25 | 4 | 2.125 | 0.585 | 1.176  | 1.437   | 2.813   | 70.000   | dec   |    |
| Dichlorodifluoromethane  | ug/L  | MW98-25 | 4 | 1.600 | 1.361 | 1.176  | 0.000   | 3.201   | 1000.000 |       |    |
| Trichlorofluoromethane   | ug/L  | MW98-25 | 4 | 0.950 | 0.311 | 1.176  | 0.584   | 1.316   | 2000.000 |       |    |
| Vinyl chloride           | ug/L  | MW98-25 | 4 | 0.500 | 0.000 | 1.176  | 0.500   | 0.500   | 2.000    |       |    |

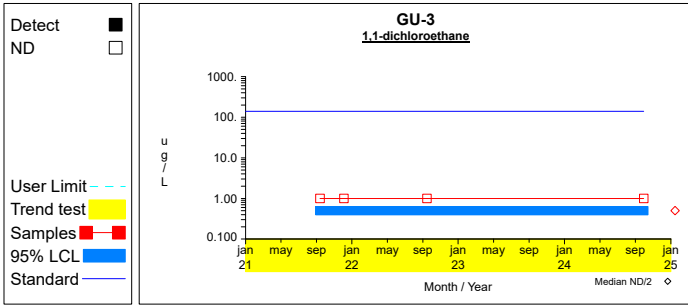
\* - Insufficient Data

\*\* - Significant Exceedance

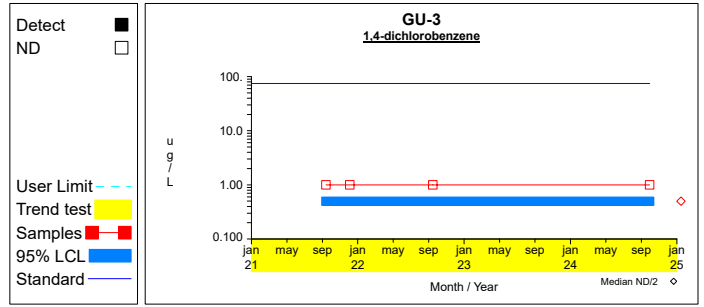
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

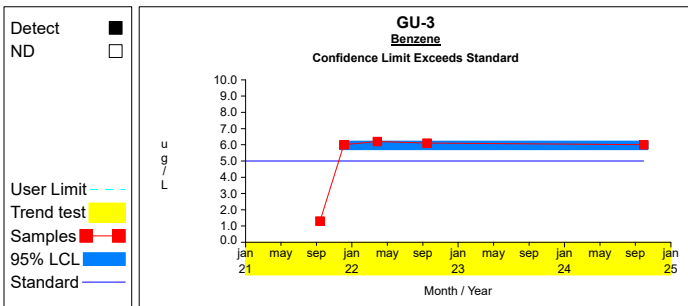
# Confidence Limits (Assessment)



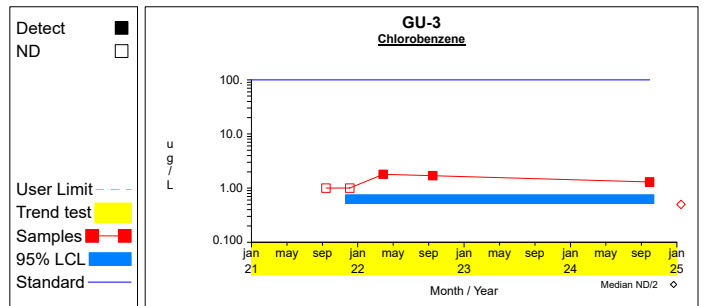
**Graph 1**



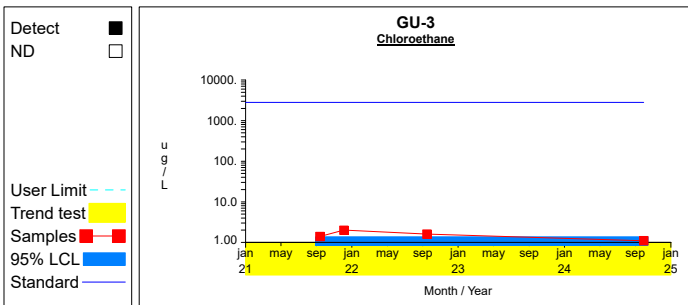
**Graph 2**



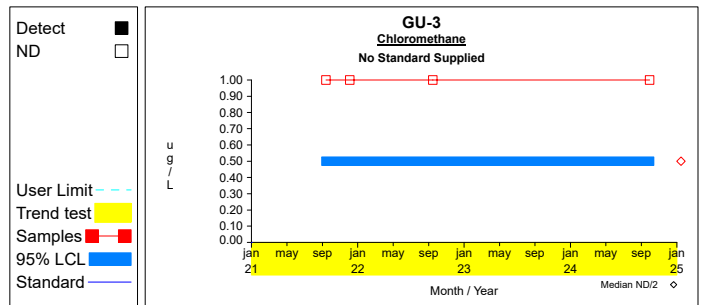
**Graph 3**



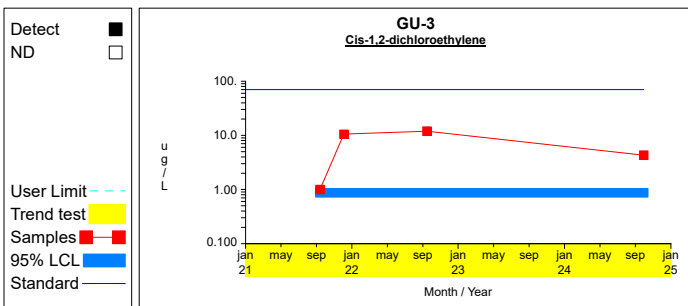
**Graph 4**



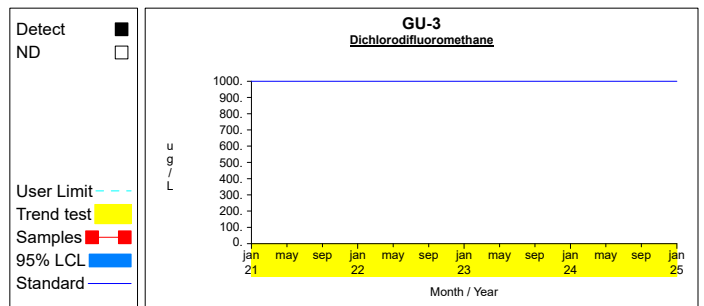
**Graph 5**



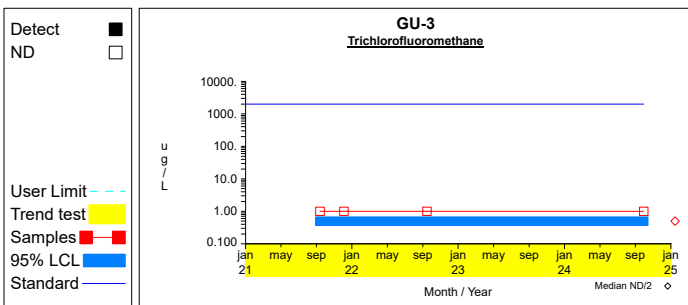
**Graph 6**



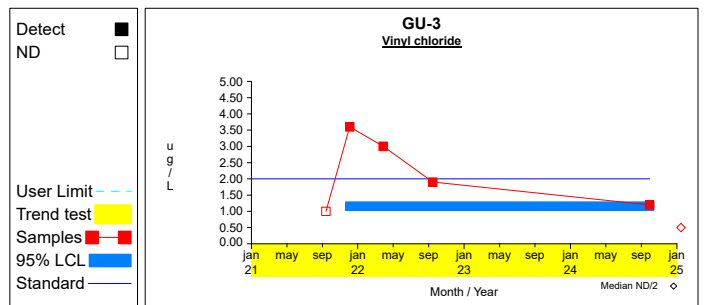
**Graph 7**



**Graph 8**

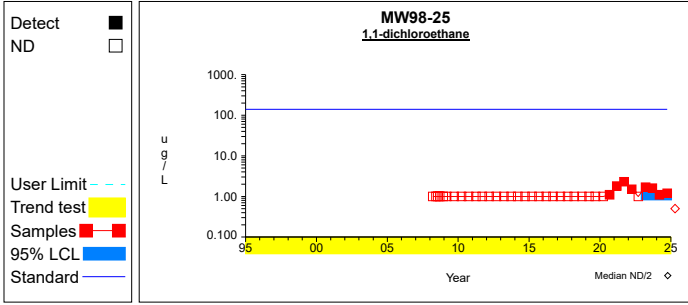


**Graph 9**

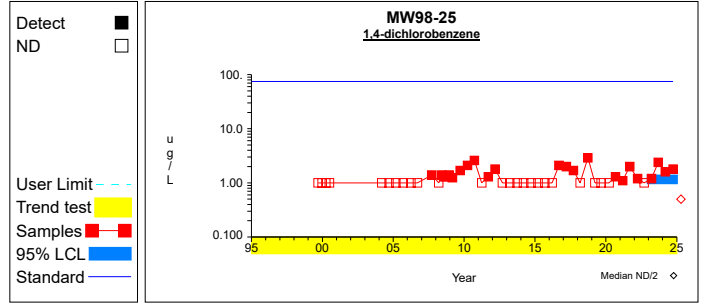


**Graph 10**

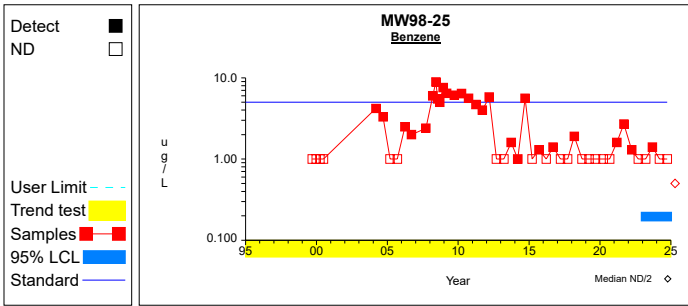
# Confidence Limits (Assessment)



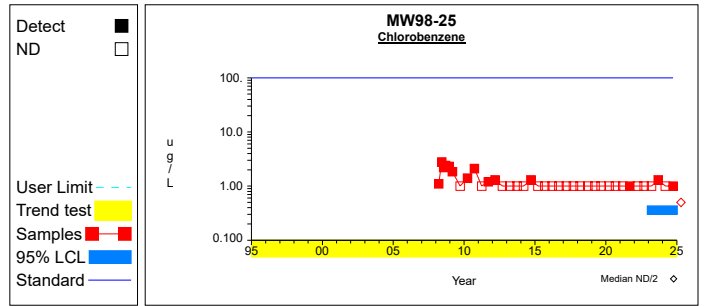
Graph 11



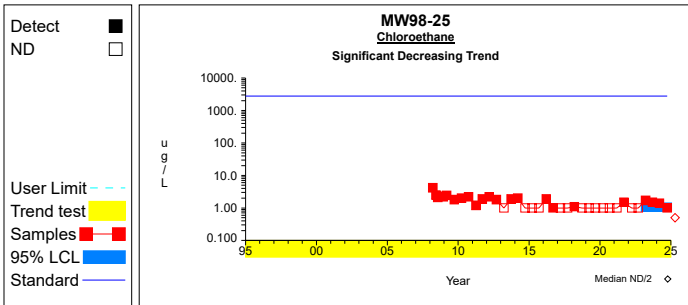
Graph 12



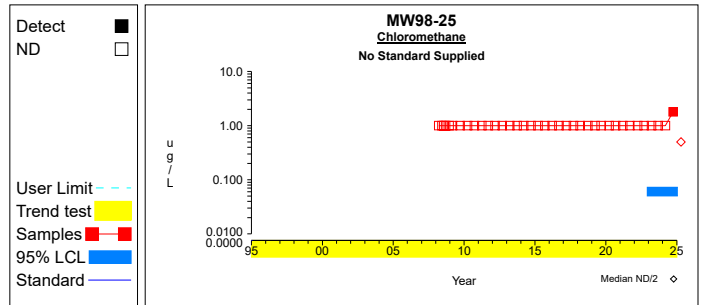
Graph 13



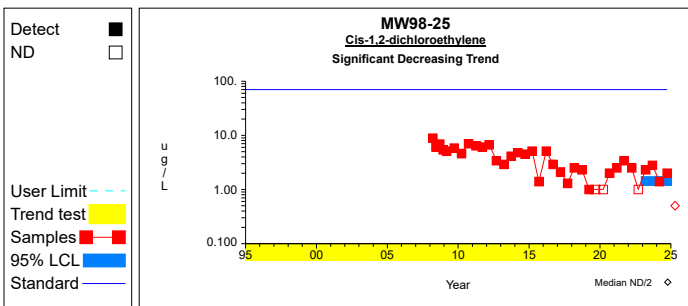
Graph 14



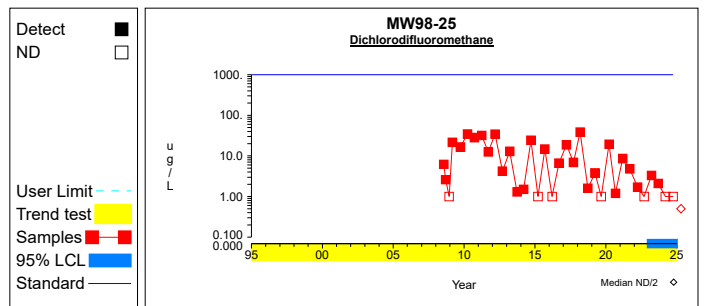
Graph 15



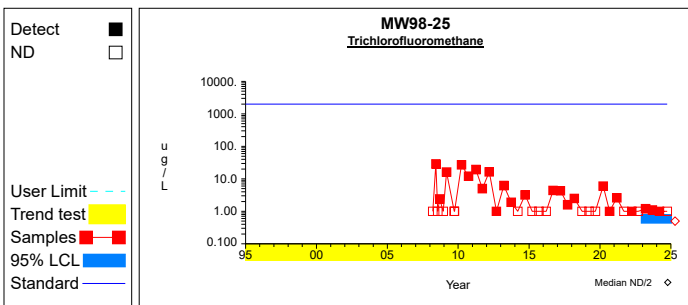
Graph 16



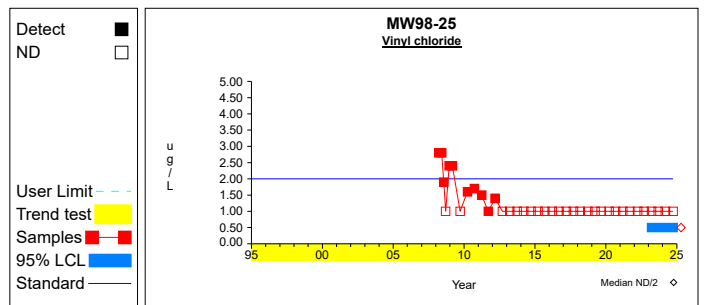
Graph 17



Graph 18



Graph 19



Graph 20

**Worksheet 6 - Assessment Monitoring**  
**1,1-dichloroethane (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 2.0 / 4$ $= 0.5$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((1.0 - 4.0/4) / (4-1))^{1/2}$ $= 0.0$   | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 0.5 - 2.353 * 0.0/4^{1/2}$ $= 0.5$                               | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 0.5 + 2.353 * 0.0/4^{1/2}$ $= 0.5$                               | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 4 * (4-1) / 2$ $= 6$  | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 0.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (6 \pm 2.576 * 0.0^{1/2}) / 2$ $= [ 3.0, 3.0 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ 0.0, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**1,4-dichlorobenzene (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 2.0 / 4$ $= 0.5$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((1.0 - 4.0/4) / (4-1))^{1/2}$ $= 0.0$   | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 0.5 - 2.353 * 0.0/4^{1/2}$ $= 0.5$                               | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 0.5 + 2.353 * 0.0/4^{1/2}$ $= 0.5$                               | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 4 * (4-1) / 2$ $= 6$  | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 0.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (6 \pm 2.576 * 0.0^{1/2}) / 2$ $= [ 3.0, 3.0 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ 0.0, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Benzene (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 24.3 / 4$ $= 6.075$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((147.65 - 590.49/4) / (4-1))^{1/2}$ $= 0.096$   | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 6.075 - 2.353 * 0.096/4^{1/2}$ $= 5.962$                                 | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 6.075 + 2.353 * 0.096/4^{1/2}$ $= 6.188$                                 | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 5 * (5-1) / 2$ $= 10$   | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.381$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 15.667$  | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (10 \pm 2.576 * 15.667^{1/2}) / 2$ $= [-0.098, 10.098]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [-0.213, 21.179]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Chlorobenzene (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 5.3 / 4$ $= 1.325$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((8.07 - 28.09/4) / (4-1))^{1/2}$ $= 0.591$      | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 1.325 - 2.353 * 0.591/4^{1/2}$ $= 0.63$                                  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 1.325 + 2.353 * 0.591/4^{1/2}$ $= 2.02$                                  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 5 * (5-1) / 2$ $= 10$   | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.273$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 15.667$  | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (10 \pm 2.576 * 15.667^{1/2}) / 2$ $= [-0.098, 10.098]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [-0.213, 4.126]$  | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Chloroethane (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 6.1 / 4$ $= 1.525$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = \left( \frac{\text{sum}[X^2] - \text{sum}[X]^2/N}{N-1} \right)^{1/2}$ $= \left( \frac{9.73 - 37.21/4}{4-1} \right)^{1/2}$ $= 0.377$ | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 1.525 - 2.353 * 0.377/4^{1/2}$ $= 1.081$  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 1.525 + 2.353 * 0.377/4^{1/2}$ $= 1.969$  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 4 * (4-1) / 2$ $= 6$   | Number of sample pairs during trend detection period.   |
| 6           | $S = -0.172$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 8.667$  | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (6 \pm 2.576 * 8.667^{1/2}) / 2$ $= [-0.792, 6.792]$                             | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [-0.51, 2.704]$  | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0  | There is no significant trend.  |



**Worksheet 6 - Assessment Monitoring**  
**Chloromethane (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 2.0 / 4$ $= 0.5$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((1.0 - 4.0/4) / (4-1))^{1/2}$ $= 0.0$   | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 0.5 - 2.353 * 0.0/4^{1/2}$ $= 0.5$                               | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 0.5 + 2.353 * 0.0/4^{1/2}$ $= 0.5$                               | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 4 * (4-1) / 2$ $= 6$  | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 0.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (6 \pm 2.576 * 0.0^{1/2}) / 2$ $= [ 3.0, 3.0 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ 0.0, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Cis-1,2-dichloroethylene (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 27.7 / 4$ $= 6.925$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = ( (\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1) )^{1/2}$ $= ( (271.35 - 767.29/4) / (4-1) )^{1/2}$ $= 5.149$ | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 6.925 - 2.353 * 5.149/4^{1/2}$ $= 0.869$                                   | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 6.925 + 2.353 * 5.149/4^{1/2}$ $= 12.981$                                  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 4 * (4-1) / 2$ $= 6$  | Number of sample pairs during trend detection period.   |
| 6           | $S = 1.435$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 8.667$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (6 \pm 2.576 * 8.667^{1/2}) / 2$ $= [-0.792, 6.792]$      | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [-3.722, 42.809]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Dichlorodifluoromethane (ug/L) at GU-3**

Insufficient data to perform analysis

**Worksheet 6 - Assessment Monitoring**  
**Trichlorofluoromethane (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 2.0 / 4$ $= 0.5$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((1.0 - 4.0/4) / (4-1))^{1/2}$ $= 0.0$   | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 0.5 - 2.353 * 0.0/4^{1/2}$ $= 0.5$                               | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 0.5 + 2.353 * 0.0/4^{1/2}$ $= 0.5$                               | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 4 * (4-1) / 2$ $= 6$  | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 0.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (6 \pm 2.576 * 0.0^{1/2}) / 2$ $= [ 3.0, 3.0 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ 0.0, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Vinyl chloride (ug/L) at GU-3**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 9.7 / 4$ $= 2.425$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((27.01 - 94.09/4) / (4-1))^{1/2}$ $= 1.078$     | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 2.425 - 2.353 * 1.078/4^{1/2}$ $= 1.157$                                 | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 2.425 + 2.353 * 1.078/4^{1/2}$ $= 3.693$                                 | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 5 * (5-1) / 2$ $= 10$   | Number of sample pairs during trend detection period.   |
| 6           | $S = -0.53$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 16.667$  | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (10 \pm 2.576 * 16.667^{1/2}) / 2$ $= [-0.258, 10.258]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [-2.348, 13.969]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**1,1-dichloroethane (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 5.6 / 4$ $= 1.4$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((8.1 - 31.36/4) / (4-1))^{1/2}$ $= 0.294$            | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 1.4 - 2.353 * 0.294/4^{1/2}$ $= 1.054$  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 1.4 + 2.353 * 0.294/4^{1/2}$ $= 1.746$  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 37 * (37-1) / 2$ $= 666$   | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$  | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 3003.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (666 \pm 2.576 * 3003.0^{1/2}) / 2$ $= [ 262.418, 403.582 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ 0.0, 0.0 ]$  | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0  | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**1,4-dichlorobenzene (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 7.0 / 4$ $= 1.75$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((13.0 - 49.0/4) / (4-1))^{1/2}$ $= 0.5$                | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 1.75 - 2.353 * 0.5/4^{1/2}$ $= 1.162$   | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 1.75 + 2.353 * 0.5/4^{1/2}$ $= 2.338$   | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 48 * (48-1) / 2$ $= 1128$  | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$  | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 10808.0$  | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (1128 \pm 2.576 * 10808.0^{1/2}) / 2$ $= [ 430.098, 697.902 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ 0.0, 0.06 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0  | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Benzene (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 2.9 / 4$ $= 0.725$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = \left( \frac{\text{sum}[X^2] - \text{sum}[X]^2/N}{N-1} \right)^{1/2}$ $= \left( \frac{2.71 - 8.41/4}{4-1} \right)^{1/2}$ $= 0.45$ | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 0.725 - 2.353 * 0.45/4^{1/2}$ $= 0.196$   | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 0.725 + 2.353 * 0.45/4^{1/2}$ $= 1.254$   | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 48 * (48-1) / 2$ $= 1128$  | Number of sample pairs during trend detection period.   |
| 6           | $S = -0.049$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 11558.0$  | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (1128 \pm 2.576 * 11558.0^{1/2}) / 2$ $= [ 425.53, 702.47 ]$                   | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ -0.225, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0  | There is no significant trend.  |



**Worksheet 6 - Assessment Monitoring**  
**Chlorobenzene (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 3.3 / 4$ $= 0.825$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = \left( \frac{\text{sum}[X^2] - \text{sum}[X]^2/N}{N-1} \right)^{1/2}$ $= \left( \frac{3.19 - 10.89/4}{4-1} \right)^{1/2}$ $= 0.395$ | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 0.825 - 2.353 * 0.395/4^{1/2}$ $= 0.361$  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 0.825 + 2.353 * 0.395/4^{1/2}$ $= 1.289$  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 37 * (37-1) / 2$ $= 666$   | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$  | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 4407.667$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (666 \pm 2.576 * 4407.667^{1/2}) / 2$ $= [ 247.489, 418.511 ]$                   | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ -0.094, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0  | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Chloroethane (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 5.6 / 4$ $= 1.4$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((8.1 - 31.36/4) / (4-1))^{1/2}$ $= 0.294$            | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 1.4 - 2.353 * 0.294/4^{1/2}$ $= 1.054$  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 1.4 + 2.353 * 0.294/4^{1/2}$ $= 1.746$  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 37 * (37-1) / 2$ $= 666$   | Number of sample pairs during trend detection period.   |
| 6           | $S = -0.087$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 5501.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (666 \pm 2.576 * 5501.0^{1/2}) / 2$ $= [ 237.471, 428.529 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ -0.163, -0.024 ]$  | Two-sided confidence interval for slope.  |
| 10          | $\text{UCL}(S) < 0$  | <b>Significant decreasing trend.</b>  |

**Worksheet 6 - Assessment Monitoring**  
**Chloromethane (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>   | <u>Description</u>  |
|-------------|---|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 3.3 / 4$ $= 0.825$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((3.99 - 10.89/4) / (4-1))^{1/2}$ $= 0.65$           | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 0.825 - 2.353 * 0.65/4^{1/2}$ $= 0.06$                                       | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 0.825 + 2.353 * 0.65/4^{1/2}$ $= 1.59$                                       | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 37 * (37-1) / 2$ $= 666$  | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 456.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (666 \pm 2.576 * 456.0^{1/2}) / 2$ $= [ 305.496, 360.504 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ 0.0, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0   | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Cis-1,2-dichloroethylene (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 8.5 / 4$ $= 2.125$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((19.09 - 72.25/4) / (4-1))^{1/2}$ $= 0.585$          | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 2.125 - 2.353 * 0.585/4^{1/2}$ $= 1.437$                                      | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 2.125 + 2.353 * 0.585/4^{1/2}$ $= 2.813$                                      | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 37 * (37-1) / 2$ $= 666$   | Number of sample pairs during trend detection period.   |
| 6           | $S = -0.34$  | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 5829.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (666 \pm 2.576 * 5829.0^{1/2}) / 2$ $= [ 234.664, 431.336 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ -0.467, -0.215 ]$  | Two-sided confidence interval for slope.  |
| 10          | $\text{UCL}(S) < 0$  | <b>Significant decreasing trend.</b>  |

**Worksheet 6 - Assessment Monitoring**  
**Dichlorodifluoromethane (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 6.4 / 4$ $= 1.6$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = \left( \frac{\text{sum}[X^2] - \text{sum}[X]^2/N}{N-1} \right)^{1/2}$ $= \left( \frac{15.8 - 40.96/4}{4-1} \right)^{1/2}$ $= 1.361$ | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 1.6 - 2.353 * 1.361/4^{1/2}$ $= 0.0$  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 1.6 + 2.353 * 1.361/4^{1/2}$ $= 3.201$  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 35 * (35-1) / 2$ $= 595$   | Number of sample pairs during trend detection period.   |
| 6           | $S = -0.781$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 4914.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (595 \pm 2.576 * 4914.0^{1/2}) / 2$ $= [ 207.211, 387.789 ]$                     | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ -1.934, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0  | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Trichlorofluoromethane (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 3.8 / 4$ $= 0.95$   | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((3.9 - 14.44/4) / (4-1))^{1/2}$ $= 0.311$            | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 0.95 - 2.353 * 0.311/4^{1/2}$ $= 0.584$                                       | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 0.95 + 2.353 * 0.311/4^{1/2}$ $= 1.316$                                       | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 38 * (38-1) / 2$ $= 703$   | Number of sample pairs during trend detection period.   |
| 6           | $S = -0.077$   | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 5910.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (703 \pm 2.576 * 5910.0^{1/2}) / 2$ $= [ 252.483, 450.517 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ -0.565, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0  | There is no significant trend.  |

**Worksheet 6 - Assessment Monitoring**  
**Vinyl chloride (ug/L) at MW98-25**

| <u>Step</u> | <u>Equation</u>  | <u>Description</u>  |
|-------------|--|---|
| 1           | $\bar{X} = \text{sum}[X] / N$ $= 2.0 / 4$ $= 0.5$  | Compute the mean of the last 4 measurements.  |
| 2           | $S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((1.0 - 4.0/4) / (4-1))^{1/2}$ $= 0.0$                | Compute sd of the last 4 measurements.  |
| 3           | $\text{LCL} = \bar{X} - tS/N^{1/2}$ $= 0.5 - 2.353 * 0.0/4^{1/2}$ $= 0.5$  | Compute lower confidence limit for the mean of the last 4 measurements.   |
| 4           | $\text{UCL} = \bar{X} + tS/N^{1/2}$ $= 0.5 + 2.353 * 0.0/4^{1/2}$ $= 0.5$  | Compute upper confidence limit for the mean of the last 4 measurements.   |
| 5           | $N' = N * (N-1) / 2$ $= 37 * (37-1) / 2$ $= 666$   | Number of sample pairs during trend detection period.   |
| 6           | $S = 0.0$  | Sen's estimator of trend.   |
| 7           | $\text{var}(S) = 3543.0$   | Variance estimate for slope.  |
| 8           | $M(S) = (N' \pm Z_{.995} * \text{var}(S)^{1/2}) / 2$ $= (666 \pm 2.576 * 3543.0^{1/2}) / 2$ $= [ 256.334, 409.666 ]$ | Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M <sup>th</sup> largest slope estimates for the values shown. When the values are not integers, interpolation is used. |
| 9           | $\text{CL}(S) = [ -0.094, 0.0 ]$   | Two-sided confidence interval for slope.  |
| 10          | the interval includes 0  | There is no significant trend.  |

APPENDIX D.3 – Field Turbidity Summary Table



## Boone County Sanitary Landfill

Field Turbidity Over Time

### No-Purge Sampling

|                | 9/19/14       | 11/13/14     | 3/17/15      | 6/29/15       | 9/11/15      | 11/9/15     | 3/16/16       | 6/7/16       | 9/8/16       |
|----------------|---------------|--------------|--------------|---------------|--------------|-------------|---------------|--------------|--------------|
| <u>Well</u>    | <u>NTU</u>    | <u>NTU</u>   | <u>NTU</u>   | <u>NTU</u>    | <u>NTU</u>   | <u>NTU</u>  | <u>NTU</u>    | <u>NTU</u>   | <u>NTU</u>   |
| <b>2</b>       | 177.6         | 19.70        | 9.53         | 13.89         | 0.82         |             | 1.72          |              | 13.05        |
| <b>3</b>       | 90.07         |              | 53.10        |               | 10.90        |             | 3.77          |              | 24.71        |
| <b>8</b>       | 9.11          | 1.19         | 2.20         | 2.08          | 1.45         |             | 0.94          |              | 2.64         |
| <b>10</b>      | 2.73          |              | 3.65         |               | 9.47         |             | 0.72          |              | 0.76         |
| <b>15A</b>     | 6.82          | 0.76         | 2.95         | 5.15          | 2.46         |             | 0.77          |              | 11.85        |
| <b>18</b>      | 2.57          |              | 0.56         |               | 1.88         |             | 2.08          |              | 0.61         |
| <b>21</b>      | 308.5         |              |              |               |              |             |               |              | 11.30        |
| <b>23</b>      | 250.2         |              | 2.46         |               | 1.79         | 1.90        | 1.45          |              | 0.66         |
| <b>24</b>      | 396.5         |              | 4.86         |               | 0.82         |             | 3.67          |              | 0.55         |
| <b>25</b>      | 24.95         |              | 82.60        |               | 3.87         |             | 157.00        |              | 2.27         |
| <b>28</b>      | 853.8         | 20.50        | 11.70        | 975.00        | 11.70        |             | 5.78          |              | 19.87        |
| <b>30A</b>     |               |              |              |               |              |             | 0.91          | 9.79         | 11.48        |
| <b>37</b>      | 7.35          |              | 1.31         |               | 0.89         |             | 1.75          |              | 1.64         |
| <b>38</b>      | 20.65         |              | 1.04         |               | 2.30         |             | 2.09          |              | 1.48         |
| <b>39</b>      | 6.09          |              | 0.51         |               | 4.18         |             | 1.09          |              | 1.19         |
| <b>40</b>      | 2.88          |              | 1.91         |               | 0.63         |             | 2.41          |              | 1.91         |
| <b>GU-3</b>    |               |              |              |               |              |             |               |              |              |
| <b>SRAMP1</b>  | 2.51          |              | 38.80        |               | 4.15         |             | 1.85          |              | 10.90        |
| <b>SRAMP2</b>  | 5.56          | 5.09         | 3.02         |               | 7.34         |             | 3.94          |              | 11.82        |
| <b>GU-4</b>    |               |              |              |               |              |             |               |              |              |
| <b>Max</b>     | <b>853.80</b> | <b>20.50</b> | <b>82.60</b> | <b>975.00</b> | <b>11.70</b> | <b>1.90</b> | <b>157.00</b> | <b>29.70</b> | <b>24.71</b> |
| <b>Min</b>     | <b>1.00</b>   | <b>0.76</b>  | <b>0.51</b>  | <b>2.08</b>   | <b>0.63</b>  | <b>1.90</b> | <b>0.72</b>   | <b>9.79</b>  | <b>0.49</b>  |
| <b>Median</b>  | <b>8.23</b>   | <b>5.09</b>  | <b>2.95</b>  | <b>9.52</b>   | <b>2.46</b>  | <b>1.90</b> | <b>2.08</b>   | <b>19.75</b> | <b>2.09</b>  |
| <b>Average</b> | <b>120.49</b> | <b>9.45</b>  | <b>13.07</b> | <b>249.03</b> | <b>3.96</b>  | <b>1.90</b> | <b>11.19</b>  | <b>19.75</b> | <b>6.49</b>  |

**Boone C**

Field Turbic

**No-Purge**

|                | 3/17/17       | 6/8/17       | 9/19/17      | 3/8/18        | 5/16/18       | 8/9/18       | 9/24/18      | 12/20/18     | 3/25/19       |
|----------------|---------------|--------------|--------------|---------------|---------------|--------------|--------------|--------------|---------------|
| <b>Well</b>    | <b>NTU</b>    | <b>NTU</b>   | <b>NTU</b>   | <b>NTU</b>    | <b>NTU</b>    | <b>NTU</b>   | <b>NTU</b>   | <b>NTU</b>   | <b>NTU</b>    |
| <b>2</b>       | 3.33          |              | 3.95         | 100.30        |               |              | 94.49        |              | 73.74         |
| <b>3</b>       | 149.00        | 5.06         | 3.79         | 20.86         |               |              | 0.71         |              | 3.52          |
| <b>8</b>       | 1.83          |              | 1.37         | 0.75          |               |              | 0.73         |              | 0.77          |
| <b>10</b>      | 0.87          |              | 0.86         | 0.44          |               |              | 0.74         |              | 0.58          |
| <b>15A</b>     | 2.22          |              | 2.93         | 4.29          |               |              | 0.85         |              | 1.83          |
| <b>18</b>      | 2.14          |              | 2.58         | 0.35          |               |              | 0.84         |              | 0.77          |
| <b>21</b>      | 1.50          |              | 10.40        | 5.54          |               |              |              | 16.20        | 32.97         |
| <b>23</b>      | 3.27          |              | 3.44         | 1.59          |               |              | 1.28         |              | 0.97          |
| <b>24</b>      | 1.43          |              | 4.26         | 1.51          |               |              | 1.24         |              | 1.04          |
| <b>25</b>      | 30.50         |              | 2.59         | 3.01          |               |              | 1.40         |              | 1.69          |
| <b>28</b>      | 47.30         |              | 38.20        | 14.85         |               |              | 85.43        |              | 29.02         |
| <b>30A</b>     | 2.50          |              | 11.30        | 4.80          |               |              | 79.17        |              | 169.90        |
| <b>37</b>      | 1.04          |              | 1.78         | 0.57          |               |              | 0.44         |              | 0.52          |
| <b>38</b>      | 3.07          |              | 2.87         | 0.34          |               |              | 0.53         |              | 1.27          |
| <b>39</b>      | 0.71          |              | 6.44         | 3.22          |               |              | 0.47         |              | 2.50          |
| <b>40</b>      | 1.22          |              | 1.93         | 0.29          |               |              | 0.69         |              | 0.70          |
| <b>GU-3</b>    |               |              |              |               |               |              |              |              |               |
| <b>SRAMP1</b>  | 3.31          |              | 4.30         |               |               |              |              |              | 0.85          |
| <b>SRAMP2</b>  | 2.89          |              |              | 1.96          |               |              | 4.61         |              | 1.19          |
| <b>GU-4</b>    |               |              |              |               |               |              |              |              |               |
| <b>Max</b>     | <b>149.00</b> | <b>80.70</b> | <b>38.20</b> | <b>100.30</b> | <b>648.00</b> | <b>43.95</b> | <b>94.49</b> | <b>16.20</b> | <b>170.10</b> |
| <b>Min</b>     | <b>0.71</b>   | <b>5.06</b>  | <b>0.86</b>  | <b>0.29</b>   | <b>648.00</b> | <b>43.95</b> | <b>0.44</b>  | <b>16.20</b> | <b>0.52</b>   |
| <b>Median</b>  | <b>2.50</b>   | <b>42.88</b> | <b>3.13</b>  | <b>1.87</b>   | <b>648.00</b> | <b>43.95</b> | <b>0.85</b>  | <b>16.20</b> | <b>1.27</b>   |
| <b>Average</b> | <b>14.68</b>  | <b>42.88</b> | <b>5.70</b>  | <b>9.25</b>   | <b>648.00</b> | <b>43.95</b> | <b>15.42</b> | <b>16.20</b> | <b>22.19</b>  |

**Boone C**

Field Turbic

**No-Purge**

|                | 9/3/19        | 12/3/19     | 3/23/20       | 9/4/20       | 3/9/21        | 6/7/21      | 9/7/21        | 12/3/21     | 3/28/22        | 6/24/22     | 9/14/22       |
|----------------|---------------|-------------|---------------|--------------|---------------|-------------|---------------|-------------|----------------|-------------|---------------|
| <b>Well</b>    | <b>NTU</b>    | <b>NTU</b>  | <b>NTU</b>    | <b>NTU</b>   | <b>NTU</b>    | <b>NTU</b>  | <b>NTU</b>    | <b>NTU</b>  | <b>NTU</b>     | <b>NTU</b>  | <b>NTU</b>    |
| <b>2</b>       | 88.24         |             | 8.04          | 21.25        | 145.00        |             |               |             | 32.2           |             | 0.63          |
| <b>3</b>       | 8.76          |             | 6.85          | 7.31         | 45.22         |             | 11.90         |             | 13.80          |             | 1.43          |
| <b>8</b>       | 1.81          |             | 15.44         | 1.05         | 1.23          |             | 0.71          |             | 0.70           |             | 1.48          |
| <b>10</b>      | 0.98          |             | 0.70          | 1.28         | 1.78          | 1.80        | 0.51          |             | 1.09           |             | 0.76          |
| <b>15A</b>     | 0.89          |             | 3.62          | 11.19        | 3.45          |             | 3.99          |             | 3.51           |             | 4.43          |
| <b>18</b>      | 1.35          |             | 1.04          | 0.90         | 1.38          | 1.41        | 1.44          |             | 1.39           |             | 1.12          |
| <b>21</b>      | 113.80        |             | 32.08         | 8.20         | 2.52          |             | 1.64          |             | 1000.00        |             | 0.92          |
| <b>23</b>      | 6.19          |             | 3.74          | 4.82         | 1.91          |             | 1.26          |             | 453.00         |             | 4.37          |
| <b>24</b>      | 0.81          |             | 1.07          | 1.68         | 2.04          |             | 0.83          | 5.13        | 5.20           |             | 1.89          |
| <b>25</b>      | 0.74          |             | 70.61         | 3.03         | 63.55         |             | 0.83          |             | 388.00         |             | 3.40          |
| <b>28</b>      | 13.99         |             | 22.36         | 16.09        | 178.50        |             | 8.57          |             | 75.60          |             | 21.03         |
| <b>30A</b>     | 15.25         |             | 65.97         | 1.85         | 110.40        |             | 3.39          |             | 3.08           |             | 257.20        |
| <b>37</b>      | 0.86          | 2.16        | 1.24          | 1.25         | 1.82          |             | 1.58          | 1.76        | 0.56           |             | 1.20          |
| <b>38</b>      | 0.86          |             | 2.08          | 0.91         | 2.11          |             | 0.97          |             | 1.00           |             | 2.34          |
| <b>39</b>      | 0.72          |             | 1.47          | 1.62         | 1.93          |             | 0.82          |             | 1.90           |             | 0.99          |
| <b>40</b>      | 0.49          |             | 3.53          | 1.01         | 3.86          |             | 1.00          | 2.84        | 2.97           |             | 1.31          |
| <b>GU-3</b>    |               |             |               |              |               |             | 103.00        | 6.88        |                |             | 6.42          |
| <b>SRAMP1</b>  | 1.30          |             |               |              | 2.08          |             |               |             | 3.30           |             |               |
| <b>SRAMP2</b>  |               |             | 1.99          |              | 2.94          |             |               |             | 3.82           |             |               |
| <b>GU-4</b>    |               |             |               |              |               |             |               |             |                | 5.50        | 1.75          |
| <b>Max</b>     | <b>113.80</b> | <b>2.16</b> | <b>182.10</b> | <b>66.45</b> | <b>178.50</b> | <b>1.80</b> | <b>103.00</b> | <b>6.88</b> | <b>1000.00</b> | <b>5.50</b> | <b>257.20</b> |
| <b>Min</b>     | <b>0.49</b>   | <b>2.16</b> | <b>0.70</b>   | <b>0.90</b>  | <b>1.23</b>   | <b>1.41</b> | <b>0.51</b>   | <b>1.76</b> | <b>0.56</b>    | <b>5.50</b> | <b>0.63</b>   |
| <b>Median</b>  | <b>1.33</b>   | <b>2.16</b> | <b>3.68</b>   | <b>1.85</b>  | <b>2.32</b>   | <b>1.61</b> | <b>1.35</b>   | <b>3.99</b> | <b>3.41</b>    | <b>5.50</b> | <b>1.62</b>   |
| <b>Average</b> | <b>14.62</b>  | <b>2.16</b> | <b>23.55</b>  | <b>8.82</b>  | <b>31.76</b>  | <b>1.61</b> | <b>8.90</b>   | <b>4.15</b> | <b>110.62</b>  | <b>5.50</b> | <b>17.37</b>  |

**Boone C**

Field Turbic

**No-Purge**

|                | 3/20/23       | 9/12/23       | 3/12/24       | 9/30/24       | 11/25/24    | 12/9/24      | Max            | Min         | Ave           | Std Dev       |
|----------------|---------------|---------------|---------------|---------------|-------------|--------------|----------------|-------------|---------------|---------------|
| <b>Well</b>    | <b>NTU</b>    | <b>NTU</b>    | <b>NTU</b>    | <b>NTU</b>    | <b>NTU</b>  | <b>NTU</b>   |                |             |               |               |
| <b>2</b>       | 2.96          | 4.41          | 16.30         | 7.51          |             |              | <b>177.60</b>  | <b>0.63</b> | <b>38.12</b>  | <b>51.45</b>  |
| <b>3</b>       | 3.05          | 2.66          | 5.04          | 2.57          | 2.14        |              | <b>149.00</b>  | <b>0.71</b> | <b>20.71</b>  | <b>35.11</b>  |
| <b>8</b>       | 1.94          | 0.87          | 2.82          | 1.98          |             |              | <b>15.44</b>   | <b>0.70</b> | <b>2.40</b>   | <b>3.32</b>   |
| <b>10</b>      | 0.94          | 0.80          | 2.85          | 2.35          |             |              | <b>9.47</b>    | <b>0.44</b> | <b>1.67</b>   | <b>1.95</b>   |
| <b>15A</b>     | 2.46          | 3.50          | 3.53          | 4.98          |             |              | <b>11.85</b>   | <b>0.76</b> | <b>3.84</b>   | <b>2.86</b>   |
| <b>18</b>      | 1.50          | 3.23          | 7.16          | 1.80          |             |              | <b>7.16</b>    | <b>0.35</b> | <b>1.73</b>   | <b>1.41</b>   |
| <b>21</b>      | 59.71         | 12.40         | 608.30        | 115.50        |             |              | <b>1000.00</b> | <b>0.92</b> | <b>130.08</b> | <b>264.95</b> |
| <b>23</b>      | 1.62          | 1.48          | 4.31          | 8.21          |             |              | <b>453.00</b>  | <b>0.66</b> | <b>34.54</b>  | <b>107.30</b> |
| <b>24</b>      | 1.76          | 1.37          | 4.19          | 3.13          |             |              | <b>396.50</b>  | <b>0.55</b> | <b>20.23</b>  | <b>84.06</b>  |
| <b>25</b>      | 161.90        | 11.00         | 259.10        | 8.20          |             |              | <b>388.00</b>  | <b>0.74</b> | <b>60.96</b>  | <b>102.01</b> |
| <b>28</b>      | 11.37         | 25.80         | 11.17         | 49.16         |             |              | <b>975.00</b>  | <b>5.78</b> | <b>110.73</b> | <b>257.01</b> |
| <b>30A</b>     | 250.90        | 4.72          | 2.93          | 3.05          |             |              | <b>257.20</b>  | <b>0.91</b> | <b>53.08</b>  | <b>84.30</b>  |
| <b>37</b>      | 1.55          | 1.04          | 2.01          | 2.78          |             |              | <b>7.35</b>    | <b>0.44</b> | <b>1.61</b>   | <b>1.38</b>   |
| <b>38</b>      | 1.21          | 1.28          | 3.70          | 2.56          |             |              | <b>20.65</b>   | <b>0.34</b> | <b>2.60</b>   | <b>4.23</b>   |
| <b>39</b>      | 1.16          | 1.24          | 2.52          | 2.92          |             |              | <b>6.44</b>    | <b>0.47</b> | <b>2.08</b>   | <b>1.69</b>   |
| <b>40</b>      | 0.93          | 1.22          | 2.98          | 2.79          |             |              | <b>3.86</b>    | <b>0.29</b> | <b>1.80</b>   | <b>1.08</b>   |
| <b>GU-3</b>    |               |               |               | 1.87          |             | 26.20        | <b>103.00</b>  | <b>1.87</b> | <b>28.87</b>  | <b>42.48</b>  |
| <b>SRAMP1</b>  | 1.51          |               |               |               |             |              | <b>38.80</b>   | <b>0.85</b> | <b>6.24</b>   | <b>10.59</b>  |
| <b>SRAMP2</b>  | 2.60          |               | 2.63          |               |             |              | <b>11.82</b>   | <b>1.19</b> | <b>4.09</b>   | <b>2.67</b>   |
| <b>GU-4</b>    | 54.30         | 247.00        | 2.31          |               | 5.29        |              | <b>247.00</b>  | <b>1.75</b> | <b>52.69</b>  | <b>97.33</b>  |
| <b>Max</b>     | <b>250.90</b> | <b>247.00</b> | <b>608.30</b> | <b>115.50</b> | <b>5.29</b> | <b>26.20</b> |                |             |               |               |
| <b>Min</b>     | <b>0.93</b>   | <b>0.80</b>   | <b>2.01</b>   | <b>1.80</b>   | <b>2.14</b> | <b>26.20</b> |                |             |               |               |
| <b>Median</b>  | <b>1.94</b>   | <b>2.66</b>   | <b>3.62</b>   | <b>2.92</b>   | <b>3.72</b> | <b>26.20</b> |                |             |               |               |
| <b>Average</b> | <b>29.65</b>  | <b>19.06</b>  | <b>52.44</b>  | <b>13.02</b>  | <b>3.72</b> | <b>26.20</b> |                |             |               |               |

## APPENDIX D.4 –Running Summary of Prediction Limit Exceedances

| <b>Spring, 2013*</b> |  | <b>Fall, 2013*</b> |   |
|----------------------|--|--------------------|---|
| MW00-36              | 1,1-dichloroethane   | MW00-36            | 1,1-dichloroethane  |
| MW98-25              | cis-1,2-dichloroethene<br>dichlorodifluoromethane<br>trichlorodifluoromethane  | MW98-25            | benzene<br>bis(2ethylhexyl)phthalate<br>chloroethane<br>cis-1,2-dichloroethene<br>dichlorodifluoromethane<br>trichlorodifluoromethane   |
| SRAMP #1             | 1,4-dichlorobenzene<br>benzene<br>chlorobenzene<br>cis-1,2-dichloroethene<br>dichlorodifluoromethane<br>trichlorodifluoromethane | SRAMP #1           | 1,4-dichlorobenzene<br>benzene<br>chlorobenzene<br>chloroethane<br>cis-1,2-dichloroethene<br>dichlorodifluoromethane<br>ethyl benzene<br>trichlorodifluoromethane<br>xylenes<br>arsenic |

| <b>Spring, 2014*</b> |  | <b>Fall, 2014*</b> |   |
|----------------------|--|--------------------|---|
| MW00-36              | 1,1-dichloroethane   | MW00-36            | 1,1-dichloroethane  |
| MW96-23              | None   | MW96-23            | arsenic   |
| MW98-25              | benzene<br>beta-BHC<br>chloroethane<br>cis-1,2-dichloroethene<br>dichlorodifluoromethane | MW98-25            | benzene<br>chlorobenzene<br>cis-1,2-dichloroethene<br>dichlorodifluoromethane<br>trichlorodifluoromethane |
| SRAMP #1             | zinc   | SRAMP #1           | zinc  |

| <b>Spring, 2015*</b> |   | <b>Fall, 2015*</b> |  |
|----------------------|---|--------------------|--|
| MW00-36              | None  | MW00-36            | <b>abandoned</b>   |
| MW96-23              | None  | MW96-23            | arsenic  |
| MW98-25              | cis-1,2-dichloroethene  | MW98-25            | benzene<br>cis-1,2-dichloroethene<br>dichlorodifluoromethane   |
| SRAMP #1             | 1,4-dichlorobenzene<br>Benzene<br>cis-1,2-dichloroethene<br>dichlorodifluoromethane | SRAMP #1           | 1,4-dichlorobenzene<br>Benzene<br>Chlorobenzene<br>Chloroethane<br>cis-1,2-dichloroethene<br>dichlorodifluoromethane<br>trichlorodifluoromethane |

| <b>Spring, 2016*</b> |                          | <b>Fall, 2016</b> |                          |
|----------------------|--------------------------|-------------------|--------------------------|
| MW96-23*             | Arsenic                  | MW96-23           | None                     |
| MW98-25*             | Chloroethane             | MW98-25           | Cobalt                   |
|                      | cis-1,2-dichloroethene   |                   | Nickel                   |
|                      |                          |                   | 1,4-dichlorobenzene      |
|                      |                          |                   | Benzene                  |
|                      |                          |                   | Chloroethane             |
|                      |                          |                   | cis-1,2-dichloroethene   |
|                      |                          |                   | dichlorodifluoromethane  |
|                      |                          |                   | trichlorodifluoromethane |
| SRAMP #1*            | 1,4-dichlorobenzene      | SRAMP #1          | Cobalt                   |
|                      | Acetone                  |                   | Nickel                   |
|                      | Benzene                  |                   | 1,4-dichlorobenzene      |
|                      | Chlorobenzene            |                   | Benzene                  |
|                      | Chloroethane             |                   | Chlorobenzene            |
|                      | cis-1,2-dichloroethene   |                   | Chloroethane             |
|                      | dichlorodifluoromethane  |                   | cis-1,2-dichloroethene   |
|                      | Ethylbenzene             |                   | dichlorodifluoromethane  |
|                      | trichlorodifluoromethane |                   | trichlorodifluoromethane |
|                      | Xylenes, total           |                   |                          |

\* Predates validated background data pool.

| <b>Spring, 2017</b> |                          | <b>Fall, 2017</b> |                            |
|---------------------|--------------------------|-------------------|----------------------------|
| MW96-21             | cobalt                   | MW96-21           | none                       |
| MW98-25             | cobalt                   | MW98-25           | cobalt                     |
|                     | nickel                   |                   | nickel                     |
|                     | 1,4-dichlorobenzene      |                   | 1,4-dichlorobenzene        |
|                     | cis-1,2-dichloroethene   |                   | bis(2-ethylhexyl)phthalate |
|                     | dichlorodifluoromethane  |                   | cis-1,2-dichloroethene     |
|                     | trichlorodifluoromethane |                   | dichlorodifluoromethane    |
|                     |                          |                   | trichlorodifluoromethane   |
| SRAMP #1*           | cobalt                   | SRAMP #1*         | dichlorodifluoromethane    |
|                     | nickel                   |                   | trichlorodifluoromethane   |
|                     | 1,4-dichlorobenzene      |                   |                            |
|                     | benzene                  |                   |                            |
|                     | chlorobenzene            |                   |                            |
|                     | chloroethane             |                   |                            |
|                     | cis-1,2-dichloroethene   |                   |                            |
|                     | dichlorodifluoromethane  |                   |                            |
|                     | trichlorodifluoromethane |                   |                            |
| MW09-42             | barium                   | MW09-42           | none                       |

| <b>Spring, 2018</b> |                          | <b>Fall, 2018</b> |                         |
|---------------------|--------------------------|-------------------|-------------------------|
| MW96-21             | none                     | MW96-21           | none                    |
| MW98-25             | cobalt                   | MW98-25           | cobalt                  |
|                     | nickel                   |                   | nickel                  |
|                     | acetone                  |                   | 1,4-dichlorobenzene     |
|                     | chloroethane             |                   | cis-1,2-dichloroethene  |
|                     | cis-1,2-dichloroethene   |                   | dichlorodifluoromethane |
|                     | dichlorodifluoromethane  |                   |                         |
|                     | trichlorodifluoromethane |                   |                         |

| <b>Spring, 2019</b> |                          | <b>Fall, 2019</b> |                        |
|---------------------|--------------------------|-------------------|------------------------|
| MW96-21             | none                     | MW96-21           | none                   |
| MW-09-42            | barium                   | MW-09-42          | barium                 |
| MW98-25             | cobalt                   | MW98-25           | cobalt                 |
|                     | nickel                   |                   |                        |
|                     | cis-1,2-dichloroethene   |                   |                        |
|                     | dichlorodifluoromethane  |                   |                        |
| SRAMP 1             | acetone                  | SRAMP 1           | benzene                |
|                     | benzene                  |                   | chloroethane           |
|                     | chlorobenzene            |                   | cis-1,2-dichloroethene |
|                     | chloroethane             |                   |                        |
|                     | cis-1,2-dichloroethene   |                   |                        |
|                     | dichlorodifluoromethane  |                   |                        |
|                     | trichlorodifluoromethane |                   |                        |

| <b>Spring, 2020</b> |                         | <b>Fall, 2020</b> |                         |
|---------------------|-------------------------|-------------------|-------------------------|
| MW-09-42            | barium                  | MW-09-42          | barium                  |
| MW98-25             | cobalt                  | MW98-25           | cobalt                  |
|                     | nickel                  |                   | 1,1-dichloroethane      |
|                     | dichlorodifluoromethane |                   | 1,4-dichlorobenzene     |
|                     | trichlorofluoromethane  |                   | cis-1,2-dichloroethene  |
|                     |                         |                   | dichlorodifluoromethane |
|                     |                         |                   | trichlorofluoromethane  |
| SRAMP 1             | dry                     | SRAMP 1           | dry                     |



| Spring, 2021 |                         | Fall, 2021 |                         |
|--------------|-------------------------|------------|-------------------------|
| MW98-25      | cobalt                  | MW98-25    | cobalt                  |
|              | copper                  |            | nickel                  |
|              | nickel                  |            | 1,1-dichloroethane      |
|              | 1,1-dichloroethane      |            | 1,4-dichlorobenzene     |
|              | 1,4-dichlorobenzene     |            | benzene                 |
|              | benzene                 |            | chlorobenzene           |
|              | cis-1,2-dichloroethene  |            | chloroethane            |
|              | dichlorodifluoromethane |            | cis-1,2-dichloroethene  |
|              | trichlorofluoromethane  |            | dichlorodifluoromethane |
|              |                         |            |                         |
|              |                         |            |                         |
| SRAMP 1      | 1,1-dichloroethane      | SRAMP 1    | dry                     |
|              | 1,4-dichlorobenzene     |            |                         |
|              | benzene                 | GU-3       | benzene                 |
|              | chlorobenzene           |            | chloroethane            |
|              | chloroethane            |            | cis-1,2-dichloroethene  |
|              | cis-1,2-dichloroethene  |            | vinyl chloride          |
|              | dichlorodifluoromethane |            |                         |
|              | ethylbenzene            |            |                         |
|              | trichlorofluoromethane  |            |                         |
|              |                         |            |                         |

| Spring, 2022 |   | Fall, 2022 |                        |
|--------------|---|------------|------------------------|
| MW-96-21*    | <i>Elevated metals are due to elevated turbidity. Data is disregarded</i> | MW-96-21   | None                   |
|              |   |            |                        |
| MW98-25      | cobalt  | MW98-25    | cobalt                 |
|              | 1,1-dichloroethane  |            |                        |
|              | 1,4-dichlorobenzene   |            |                        |
|              | benzene   |            |                        |
|              | cis-1,2-dichloroethene  |            |                        |
|              | dichlorodifluoromethane   |            |                        |
|              | trichlorofluoromethane  |            |                        |
|              |   |            |                        |
| SRAMP 1      | 1,1-dichloroethane  | SRAMP 1    | dry                    |
|              | 1,4-dichlorobenzene   |            |                        |
|              | acetone   | GU-3       | benzene                |
|              | benzene   |            | chlorobenzene          |
|              | chlorobenzene   |            | chloroethane           |
|              | chloroethane  |            | cis-1,2-dichloroethene |
|              | cis-1,2-dichloroethene  |            | ethylbenzene           |
|              | dichlorodifluoromethane   |            | vinyl chloride         |
|              | trichlorofluoromethane  |            |                        |
|              |   |            |                        |
| GU-3         | benzene   |            |                        |
|              | chlorobenzene   |            |                        |
|              | vinyl chloride  |            |                        |

| <b>Spring, 2023</b> |                         | <b>Fall, 2023</b> |                         |
|---------------------|-------------------------|-------------------|-------------------------|
| MW98-25             | cobalt                  | MW98-25           | cobalt                  |
|                     | 1,1-dichloroethane      |                   | nickel                  |
|                     | 1,4-dichlorobenzene     |                   | 1,1-dichloroethane      |
|                     | chloroethane            |                   | 1,4-dichlorobenzene     |
|                     | cis-1,2-dichloroethene  |                   | benzene                 |
|                     | dichlorodifluoromethane |                   | chlorobenzene           |
|                     | trichlorofluoromethane  |                   | chloroethane            |
|                     |                         |                   | cis-1,2-dichloroethene  |
|                     |                         |                   | dichlorodifluoromethane |
|                     |                         |                   | trichlorofluoromethane  |
|                     |                         |                   |                         |
| SRAMP 1             | 1,1-dichloroethane      | SRAMP 1           | dry                     |
|                     | 1,4-dichlorobenzene     |                   |                         |
|                     | benzene                 |                   |                         |
|                     | chlorobenzene           |                   |                         |
|                     | chloroethane            |                   |                         |
|                     | cis-1,2-dichloroethene  |                   |                         |
|                     | dichlorodifluoromethane |                   |                         |
|                     | trichlorofluoromethane  |                   |                         |
|                     |                         |                   |                         |

| <b>Spring, 2024</b> |                        | <b>Fall, 2024</b> |                        |
|---------------------|------------------------|-------------------|------------------------|
| MW98-25             | cobalt                 | MW98-25           | cobalt                 |
|                     | nickel                 |                   | nickel                 |
|                     | 1,1-dichloroethane     |                   | 1,1-dichloroethane     |
|                     | 1,4-dichlorobenzene    |                   | 1,4-dichlorobenzene    |
|                     | chloroethane           |                   | chlorobenzene          |
|                     | cis-1,2-dichloroethene |                   | chloroethane           |
|                     | trichlorofluoromethane |                   | chloromethane          |
|                     |                        |                   | cis-1,2-dichloroethene |
|                     |                        |                   |                        |
| GU-3                | submerged              | GU-3              | Nickel                 |
|                     |                        |                   | benzene                |
|                     |                        |                   | chlorobenzene          |
|                     |                        |                   | chloroethane           |
|                     |                        |                   | cis-1,2-dichloroethene |
|                     |                        |                   | vinyl chloride         |
|                     |                        |                   |                        |
| SRAMP 1             | dry                    | SRAMP 1           | dry                    |
|                     |                        |                   |                        |

## APPENDIX D.5 –SSL Evaluation Tables

| <b>Monitoring Well</b> | <b>Compound</b> | <b>Date</b> | <b>Result (ug/L)</b> | <b>Prediction Limit (ug/L)</b> | <b>95% LCL (ug/L)</b> | <b>95% UCL (ug/L)</b> | <b>GWPS (ug/L)</b> |
|------------------------|-----------------|-------------|----------------------|--------------------------------|-----------------------|-----------------------|--------------------|
| MW96-21                | cobalt          | 3/16/16     | ---                  | 1.5                            | ---                   | ---                   | <b>3.2</b>         |
| MW96-21                | cobalt          | 9/8/16      | ---                  | 1.5                            | ---                   | ---                   | <b>3.2</b>         |
| MW96-21                | cobalt          | 3/17/17     | 1.8                  | 1.5                            | 1.724                 | 2.426                 | <b>3.2</b>         |
| MW96-21                | cobalt          | 9/19/17     | <0.8                 | 4.4                            | 1.724                 | 2.426                 | <b>3.2</b>         |
| MW96-21                | cobalt          | 3/8/18      | <0.8                 | 4.8                            | 1.724                 | 2.426                 | <b>3.2</b>         |
| MW96-21                | cobalt          | 9/24/18     | ---                  | 4.8                            | 1.724                 | 2.426                 | <b>3.2</b>         |
| MW96-21                | cobalt          | 12/20/18    | 1.1                  | 4.8                            | 1.724                 | 2.426                 | <b>3.2</b>         |
| MW96-21                | cobalt          | 3/25/19     | 1.0                  | 4.8                            | 0.878                 | 2.172                 | <b>3.2</b>         |
| MW96-21                | cobalt          | 9/3/19      | 2.5                  | 4.8                            | 0.799                 | 2.501                 | <b>3.2</b>         |
| MW96-21                | cobalt          | 3/23/20     | 2.5                  | 3.2                            | 0.436                 | 2.264                 | <b>3.2</b>         |
| MW96-21                | cobalt          | 9/4/20      | 2.5                  | 3.2                            | 0.622                 | 2.528                 | <b>3.2</b>         |
| MW96-21                | cobalt          | 3/9/21      | <0.4                 | 3.2                            | 0.975                 | 2.675                 | <b>3.2</b>         |
| MW96-21                | cobalt          | 9/7/21      | <0.4                 | 3.2                            | 0.330                 | 2.270                 | <b>3.2</b>         |
| MW96-21                | cobalt          | 3/28/22     | 79.4*                | 5.8                            | 0.000                 | 66.795                | <b>5.8</b>         |
| MW96-21                | cobalt          | 9/14/22     | 2.5                  | 7.0                            | 0.000                 | 66.825                | <b>7.0</b>         |
| MW96-21                | cobalt          | 3/20/23     | 4.3                  | 7.0                            | 0.000                 | 66.976                | <b>7.0</b>         |
| MW96-21                | cobalt          | 9/12/23     | 0.8                  | 7.0                            | 0.000                 | 66.990                | <b>7.0</b>         |
| MW96-21                | cobalt          | 3/12/24     | ---                  | 7.0                            | 0.000                 | 66.990                | <b>7.0</b>         |
| MW96-21                | cobalt          | 9/30/24     | 4.0                  | 7.0                            | 1.509                 | 4.291                 | <b>7.0</b>         |

\* sample collection error on 3/28/22. Turbidity was high and outside of measurable range. This data is dismissed.

| <b>Monitoring Well</b> | <b>Compound</b> | <b>Date</b> | <b>Result (ug/L)</b> | <b>Prediction Limit (ug/L)</b> | <b>95% LCL (ug/L)</b> | <b>95% UCL (ug/L)</b> | <b>GWPS (ug/L)</b> |
|------------------------|-----------------|-------------|----------------------|--------------------------------|-----------------------|-----------------------|--------------------|
| MW98-25                | Cobalt          | 3/16/16     | 4.7                  | 1.5                            | 0.000                 | 26.390                | 3.2                |
| MW98-25                | Cobalt          | 9/8/16      | 29.1                 | 1.5                            | 0.000                 | 26.390                | 3.2                |
| MW98-25                | Cobalt          | 3/17/17     | 14.6                 | 1.5                            | 3.420                 | 27.280                | 3.2                |
| MW98-25                | Cobalt          | 9/19/17     | 6.2                  | 4.4                            | 0.495                 | 26.805                | 3.2                |
| MW98-25                | Cobalt          | 3/8/18      | 10.3                 | 4.8                            | 3.317                 | 26.783                | 3.2                |
| MW98-25                | Cobalt          | 9/24/18     | 11.6                 | 4.8                            | 6.576                 | 14.774                | 3.2                |
| MW98-25                | Cobalt          | 3/25/19     | 13.9                 | 4.8                            | 6.701                 | 14.299                | 3.2                |
| MW98-25                | Cobalt          | 9/3/19      | 8.5                  | 4.8                            | 8.402                 | 13.748                | 3.2                |
| MW98-25                | Cobalt          | 3/23/20     | 22.2                 | 3.2                            | 7.149                 | 20.951                | 3.2                |
| MW98-25                | Cobalt          | 9/4/20      | 7.6                  | 3.2                            | 5.164                 | 20.936                | 3.2                |
| MW98-25                | Cobalt          | 3/9/21      | 11.7                 | 3.2                            | 4.617                 | 20.383                | 3.2                |
| MW98-25                | Cobalt          | 9/7/21      | 12.8                 | 3.2                            | 6.317                 | 20.833                | 3.2                |
| MW98-25                | Cobalt          | 3/28/22     | 10.9                 | 5.8                            | 8.115                 | 13.385                | 5.8                |
| MW98-25                | Cobalt          | 9/14/22     | 19.4                 | 7.0                            | 9.137                 | 18.263                | 7.0                |
| MW98-25                | Cobalt          | 3/20/23     | 11.2                 | 7.0                            | 8.903                 | 18.247                | 7.0                |
| MW98-25                | Cobalt          | 9/12/23     | 15.2                 | 7.0                            | 9.473                 | 18.877                | 7.0                |
| MW98-25                | Cobalt          | 3/12/24     | 10.7                 | 7.0                            | 9.358                 | 18.892                | 7.0                |
| MW98-25                | Cobalt          | 9/30/24     | 11.0                 | 7.0                            | 9.523                 | 14.527                | 7.0                |
| MW98-25                | Nickel          | 3/16/16     | 37.9                 | 14.0                           | 23.843                | 74.857                | 100.0              |
| MW98-25                | Nickel          | 9/8/16      | 81.7                 | 14.0                           | 23.843                | 74.857                | 100.0              |
| MW98-25                | Nickel          | 3/17/17     | 34.3                 | 14.0                           | 20.669                | 74.381                | 100.0              |
| MW98-25                | Nickel          | 9/19/17     | 17.0                 | 14.0                           | 10.332                | 75.118                | 100.0              |
| MW98-25                | Nickel          | 3/8/18      | 20.1                 | 14.0                           | 3.088                 | 73.462                | 100.0              |
| MW98-25                | Nickel          | 9/24/18     | 24.6                 | 14.0                           | 15.128                | 32.872                | 100.0              |
| MW98-25                | Nickel          | 3/25/19     | 21.2                 | 14.0                           | 17.036                | 24.414                | 100.0              |
| MW98-25                | Nickel          | 9/3/19      | 9.0                  | 14.0                           | 10.773                | 26.677                | 100.0              |
| MW98-25                | Nickel          | 3/23/20     | 29.9                 | 14.0                           | 10.740                | 31.610                | 100.0              |
| MW98-25                | Nickel          | 9/4/20      | 10.5                 | 14.0                           | 6.113                 | 29.187                | 100.0              |
| MW98-25                | Nickel          | 3/9/21      | 16.7                 | 17.3                           | 5.328                 | 27.722                | 100.0              |
| MW98-25                | Nickel          | 9/7/21      | 20.4                 | 17.3                           | 9.825                 | 28.925                | 100.0              |
| MW98-25                | Nickel          | 3/28/22     | 10.9                 | 33.6                           | 11.402                | 23.348                | 100.0              |
| MW98-25                | Nickel          | 9/14/22     | 24.3                 | 33.6                           | 17.079                | 24.571                | 100.0              |
| MW98-25                | Nickel          | 3/20/23     | 23.4                 | 33.6                           | 20.483                | 24.517                | 100.0              |
| MW98-25                | Nickel          | 9/12/23     | 35.7                 | 17.4                           | 18.882                | 33.768                | 100.0              |
| MW98-25                | Nickel          | 3/12/24     | 23.6                 | 17.4                           | 19.717                | 33.783                | 100.0              |
| MW98-25                | Nickel          | 9/30/24     | 26.5                 | 17.4                           | 20.505                | 34.095                | 100.0              |
| MW98-25                | 1,1-DCA         | 3/16/16     | <1.0                 | 1.0                            | 0.5                   | 0.5                   | 140.0              |
| MW98-25                | 1,1-DCA         | 9/8/16      | <1.0                 | 1.0                            | 0.5                   | 0.5                   | 140.0              |
| MW98-25                | 1,1-DCA         | 3/17/17     | <1.0                 | 1.0                            | 0.5                   | 0.5                   | 140.0              |
| MW98-25                | 1,1-DCA         | 9/19/17     | <1.0                 | 1.0                            | 0.5                   | 0.5                   | 140.0              |
| MW98-25                | 1,1-DCA         | 3/8/18      | <1.0                 | 1.0                            | 0.5                   | 0.5                   | 140.0              |
| MW98-25                | 1,1-DCA         | 9/24/18     | <1.0                 | 1.0                            | 0.5                   | 0.5                   | 140.0              |
| MW98-25                | 1,1-DCA         | 3/25/19     | <1.0                 | 1.0                            | 0.5                   | 0.5                   | 140.0              |
| MW98-25                | 1,1-DCA         | 9/3/19      | <1.0                 | 1.0                            | 0.5                   | 0.5                   | 140.0              |
| MW98-25                | 1,1-DCA         | 3/23/20     | <1.0                 | 1.0                            | 0.5                   | 0.5                   | 140.0              |
| MW98-25                | 1,1-DCA         | 9/4/20      | 1.1                  | 1.0                            | 0.297                 | 1.003                 | 140.0              |
| MW98-25                | 1,1-DCA         | 3/9/21      | 1.8                  | 1.0                            | 0.248                 | 1.702                 | 140.0              |
| MW98-25                | 1,1-DCA         | 9/7/21      | 2.3                  | 1.0                            | 0.497                 | 2.353                 | 140.0              |
| MW98-25                | 1,1-DCA         | 3/28/22     | 1.5                  | 1.0                            | 1.080                 | 2.270                 | 140.0              |
| MW98-25                | 1,1-DCA         | 9/14/22     | <1.0                 | 1.0                            | 0.632                 | 2.418                 | 140.0              |

|         |         |         |      |      |       |        |       |
|---------|---------|---------|------|------|-------|--------|-------|
| MW98-25 | 1,1-DCA | 3/20/23 | <1.0 | 1.0  | 0.620 | 2.380  | 140.0 |
| MW98-25 | 1,1-DCA | 9/12/23 | 1.6  | 1.0  | 0.671 | 1.979  | 140.0 |
| MW98-25 | 1,1-DCA | 3/12/24 | 1.1  | 1.0  | 0.578 | 1.872  | 140.0 |
| MW98-25 | 1,1-DCA | 9/30/24 | 1.2  | 1.0  | 1.054 | 1.746  | 140.0 |
| MW98-25 | 1,4-DCB | 3/16/16 | <1.0 | 1.0  | 0.500 | 0.500  | 75.0  |
| MW98-25 | 1,4-DCB | 9/8/16  | 2.1  | 1.0  | 0.000 | 1.841  | 75.0  |
| MW98-25 | 1,4-DCB | 3/17/17 | 2.0  | 1.0  | 0.221 | 2.329  | 75.0  |
| MW98-25 | 1,4-DCB | 9/19/17 | 1.7  | 1.0  | 0.709 | 2.441  | 75.0  |
| MW98-25 | 1,4-DCB | 3/8/18  | <1.0 | 1.0  | 0.709 | 2.441  | 75.0  |
| MW98-25 | 1,4-DCB | 9/24/18 | 2.9  | 1.0  | 0.609 | 2.941  | 75.0  |
| MW98-25 | 1,4-DCB | 3/25/19 | <1.0 | 1.0  | 0.049 | 2.751  | 75.0  |
| MW98-25 | 1,4-DCB | 9/3/19  | <1.0 | 1.0  | 0.000 | 2.512  | 75.0  |
| MW98-25 | 1,4-DCB | 3/23/20 | <1.0 | 1.0  | 0.000 | 2.512  | 75.0  |
| MW98-25 | 1,4-DCB | 9/4/20  | 1.3  | 1.0  | 0.229 | 1.171  | 75.0  |
| MW98-25 | 1,4-DCB | 3/9/21  | 1.1  | 1.0  | 0.365 | 1.335  | 75.0  |
| MW98-25 | 1,4-DCB | 9/7/21  | 2.0  | 1.0  | 0.498 | 1.952  | 75.0  |
| MW98-25 | 1,4-DCB | 3/28/22 | 1.2  | 1.0  | 0.920 | 1.880  | 75.0  |
| MW98-25 | 1,4-DCB | 9/14/22 | <1.0 | 1.0  | 0.475 | 1.925  | 75.0  |
| MW98-25 | 1,4-DCB | 3/20/23 | 1.2  | 1.0  | 0.504 | 1.946  | 75.0  |
| MW98-25 | 1,4-DCB | 9/12/23 | 2.4  | 1.0  | 0.397 | 2.253  | 75.0  |
| MW98-25 | 1,4-DCB | 3/12/24 | 1.6  | 1.0  | 0.492 | 2.358  | 75.0  |
| MW98-25 | 1,4-DCB | 9/30/24 | 1.8  | 1.0  | 1.162 | 2.338  | 75.0  |
| MW98-25 | Acetone | 3/16/16 | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 9/8/16  | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 3/17/17 | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 9/19/17 | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 3/8/18  | 46.5 | 10.0 | 0.000 | 39.783 | 6,300 |
| MW98-25 | Acetone | 9/24/18 | <10  | 10.0 | 0.000 | 39.783 | 6,300 |
| MW98-25 | Acetone | 3/25/19 | <10  | 10.0 | 0.000 | 39.783 | 6,300 |
| MW98-25 | Acetone | 9/3/19  | <10  | 10.0 | 0.000 | 39.783 | 6,300 |
| MW98-25 | Acetone | 3/23/20 | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 9/4/20  | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 3/9/21  | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 9/7/21  | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 3/28/22 | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 9/14/22 | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 3/20/23 | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 9/12/23 | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 3/12/24 | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Acetone | 9/30/24 | <10  | 10.0 | 5.0   | 5.0    | 6,300 |
| MW98-25 | Benzene | 3/16/16 | <1   | 1.0  | 0.500 | 0.500  | 5.0   |
| MW98-25 | Benzene | 9/8/16  | 1.4  | 1.0  | 0.128 | 1.422  | 5.0   |
| MW98-25 | Benzene | 3/17/17 | <1   | 1.0  | 0.128 | 1.422  | 5.0   |
| MW98-25 | Benzene | 9/19/17 | <1   | 1.0  | 0.128 | 1.422  | 5.0   |
| MW98-25 | Benzene | 3/8/18  | 1.9  | 1.0  | 0.086 | 2.564  | 5.0   |
| MW98-25 | Benzene | 9/24/18 | <1   | 1.0  | 0.112 | 1.717  | 5.0   |
| MW98-25 | Benzene | 3/25/19 | <1   | 1.0  | 0.112 | 1.717  | 5.0   |
| MW98-25 | Benzene | 9/3/19  | <1   | 1.0  | 0.112 | 1.717  | 5.0   |
| MW98-25 | Benzene | 3/23/20 | <1   | 1.0  | 0.500 | 0.500  | 5.0   |
| MW98-25 | Benzene | 9/4/20  | <1   | 1.0  | 0.500 | 0.500  | 5.0   |
| MW98-25 | Benzene | 3/9/21  | 1.6  | 1.0  | 0.128 | 1.422  | 5.0   |
| MW98-25 | Benzene | 9/7/21  | 2.7  | 1.0  | 0.086 | 2.564  | 5.0   |
| MW98-25 | Benzene | 3/28/22 | 1.3  | 1.0  | 0.454 | 2.596  | 5.0   |

|         |               |         |      |     |       |       |       |
|---------|---------------|---------|------|-----|-------|-------|-------|
| MW98-25 | Benzene       | 9/14/22 | <1   | 1.0 | 0.454 | 2.596 | 5.0   |
| MW98-25 | Benzene       | 3/20/23 | <1   | 1.0 | 0.029 | 2.471 | 5.0   |
| MW98-25 | Benzene       | 9/12/23 | 1.4  | 1.0 | 0.346 | 1.504 | 5.0   |
| MW98-25 | Benzene       | 3/12/24 | <1   | 1.0 | 0.196 | 1.254 | 5.0   |
| MW98-25 | Benzene       | 9/30/24 | <1   | 1.0 | 0.196 | 1.254 | 5.0   |
| MW98-25 | Bis(2-EH)P    | 3/16/16 | <6   | 6.0 | 5.0   | 5.0   | 6.0   |
| MW98-25 | Bis(2-EH)P    | 9/8/16  | <6   | 6.0 | 5.0   | 5.0   | 6.0   |
| MW98-25 | Bis(2-EH)P    | 3/17/17 | <6   | 6.0 | 5.0   | 5.0   | 6.0   |
| MW98-25 | Bis(2-EH)P    | 9/19/17 | 6.0  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 3/8/18  | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 9/24/18 | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 3/25/19 | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 9/3/19  | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 3/23/20 | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 9/4/20  | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 3/9/21  | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 9/7/21  | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 3/28/22 | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 9/14/22 | <6   | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 3/20/23 | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 9/12/23 | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 3/12/24 | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | Bis(2-EH)P    | 9/30/24 | ---  | 6.0 | 4.662 | 5.838 | 6.0   |
| MW98-25 | chlorobenzene | 3/16/16 | <1   | 1.0 | 0.500 | 0.500 | 100.0 |
| MW98-25 | chlorobenzene | 9/8/16  | <1   | 1.0 | 0.500 | 0.500 | 100.0 |
| MW98-25 | chlorobenzene | 3/17/17 | <1   | 1.0 | 0.500 | 0.500 | 100.0 |
| MW98-25 | chlorobenzene | 9/19/17 | <1   | 1.0 | 0.500 | 0.500 | 100.0 |
| MW98-25 | chlorobenzene | 3/8/18  | <1   | 1.0 | 0.500 | 0.500 | 100.0 |
| MW98-25 | chlorobenzene | 9/24/18 | <1   | 1.0 | 0.500 | 0.500 | 100.0 |
| MW98-25 | chlorobenzene | 3/25/19 | <1   | 1.0 | 0.500 | 0.500 | 100.0 |
| MW98-25 | chlorobenzene | 9/3/19  | <1   | 1.0 | 0.500 | 0.500 | 100.0 |
| MW98-25 | chlorobenzene | 3/23/20 | <1   | 1.0 | 0.500 | 0.500 | 100.0 |
| MW98-25 | chlorobenzene | 9/4/20  | <1   | 1.0 | 0.500 | 0.500 | 100.0 |
| MW98-25 | chlorobenzene | 3/9/21  | <1   | 1.0 | 0.500 | 0.500 | 100.0 |
| MW98-25 | chlorobenzene | 9/7/21  | 1.0  | 1.0 | 0.331 | 0.919 | 100.0 |
| MW98-25 | chlorobenzene | 3/28/22 | <1   | 1.0 | 0.331 | 0.919 | 100.0 |
| MW98-25 | chlorobenzene | 9/14/22 | <1   | 1.0 | 0.331 | 0.919 | 100.0 |
| MW98-25 | chlorobenzene | 3/20/23 | <1   | 1.0 | 0.331 | 0.919 | 100.0 |
| MW98-25 | chlorobenzene | 9/12/23 | <1   | 1.0 | 0.229 | 1.171 | 100.0 |
| MW98-25 | chlorobenzene | 3/12/24 | <1   | 1.0 | 0.229 | 1.171 | 100.0 |
| MW98-25 | chlorobenzene | 9/30/24 | 1.0  | 1.0 | 0.361 | 1.289 | 100.0 |
| MW98-25 | chloroethane  | 3/16/16 | 1.9  | 1.0 | 0.027 | 1.673 | 2,800 |
| MW98-25 | chloroethane  | 9/8/16  | 1.0  | 1.0 | 0.198 | 1.752 | 2,800 |
| MW98-25 | chloroethane  | 3/17/17 | <1.0 | 1.0 | 0.198 | 1.752 | 2,800 |
| MW98-25 | chloroethane  | 9/19/17 | <1.0 | 1.0 | 0.198 | 1.752 | 2,800 |
| MW98-25 | chloroethane  | 3/8/18  | 1.1  | 1.0 | 0.398 | 1.152 | 2,800 |
| MW98-25 | chloroethane  | 9/24/18 | <1.0 | 1.0 | 0.297 | 1.003 | 2,800 |
| MW98-25 | chloroethane  | 3/25/19 | <1.0 | 1.0 | 0.297 | 1.003 | 2,800 |
| MW98-25 | chloroethane  | 9/3/19  | <1.0 | 1.0 | 0.297 | 1.003 | 2,800 |
| MW98-25 | chloroethane  | 3/23/20 | <1.0 | 1.0 | 0.500 | 0.500 | 2,800 |
| MW98-25 | chloroethane  | 9/4/20  | <1.0 | 1.0 | 0.500 | 0.500 | 2,800 |
| MW98-25 | chloroethane  | 3/9/21  | <1.0 | 1.0 | 0.500 | 0.500 | 2,800 |
| MW98-25 | chloroethane  | 9/7/21  | 1.5  | 1.0 | 0.162 | 1.338 | 2,800 |

|         |              |         |      |     |       |        |        |
|---------|--------------|---------|------|-----|-------|--------|--------|
| MW98-25 | chloroethane | 3/28/22 | <1.0 | 1.0 | 0.162 | 1.338  | 2,800  |
| MW98-25 | chloroethane | 9/14/22 | <1.0 | 1.0 | 0.162 | 1.338  | 2,800  |
| MW98-25 | chloroethane | 3/20/23 | 1.7  | 1.0 | 0.297 | 1.803  | 2,800  |
| MW98-25 | chloroethane | 9/12/23 | 1.5  | 1.0 | 0.297 | 1.803  | 2,800  |
| MW98-25 | chloroethane | 3/12/24 | 1.4  | 1.0 | 0.650 | 1.900  | 2,800  |
| MW98-25 | chloroethane | 9/30/24 | 1.0  | 1.0 | 1.054 | 1.746  | 2,800  |
| MW98-25 | Cis-1,2-DCE  | 3/16/16 | 5.1  | 1.0 | 1.940 | 6.110  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 9/8/16  | 2.9  | 1.0 | 1.496 | 5.754  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 3/17/17 | 2.1  | 1.0 | 0.987 | 4.763  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 9/19/17 | 1.3  | 1.0 | 0.926 | 4.774  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 3/8/18  | 2.5  | 1.0 | 1.396 | 3.004  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 9/24/18 | 2.3  | 1.0 | 1.431 | 2.669  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 3/25/19 | 1.0  | 1.0 | 0.909 | 2.641  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 9/3/19  | <1.0 | 1.0 | 0.425 | 2.725  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 3/23/20 | <1.0 | 1.0 | 0.075 | 2.075  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 9/4/20  | 2.0  | 1.0 | 0.168 | 1.832  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 3/9/21  | 2.5  | 1.0 | 0.163 | 2.587  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 9/7/21  | 3.4  | 1.0 | 0.672 | 3.528  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 3/28/22 | 2.5  | 1.0 | 1.914 | 3.286  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 9/14/22 | <1.0 | 1.0 | 0.783 | 3.667  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 3/20/23 | 2.3  | 1.0 | 0.746 | 3.604  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 9/12/23 | 2.8  | 1.0 | 0.805 | 3.245  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 3/12/24 | 1.4  | 1.0 | 0.556 | 2.944  | 70.0   |
| MW98-25 | Cis-1,2-DCE  | 9/30/24 | 2.0  | 1.0 | 1.437 | 2.813  | 70.0   |
| MW98-25 | DCDFM        | 3/16/16 | <1.0 | 1.0 | 0.000 | 23.702 | 1000.0 |
| MW98-25 | DCDFM        | 9/8/16  | 6.6  | 1.0 | 0.000 | 13.490 | 1000.0 |
| MW98-25 | DCDFM        | 3/17/17 | 18.8 | 1.0 | 0.516 | 19.784 | 1000.0 |
| MW98-25 | DCDFM        | 9/19/17 | 6.9  | 1.0 | 0.000 | 17.207 | 1000.0 |
| MW98-25 | DCDFM        | 3/8/18  | 38.4 | 1.0 | 0.102 | 35.248 | 1000.0 |
| MW98-25 | DCDFM        | 9/24/18 | 1.6  | 1.0 | 0.000 | 35.622 | 1000.0 |
| MW98-25 | DCDFM        | 3/25/19 | 3.8  | 1.0 | 0.000 | 33.010 | 1000.0 |
| MW98-25 | DCDFM        | 9/3/19  | <1.0 | 1.0 | 0.000 | 32.564 | 1000.0 |
| MW98-25 | DCDFM        | 3/23/20 | 19.4 | 1.0 | 0.000 | 16.705 | 1000.0 |
| MW98-25 | DCDFM        | 9/4/20  | 1.2  | 1.0 | 0.000 | 16.691 | 1000.0 |
| MW98-25 | DCDFM        | 3/9/21  | 8.6  | 1.0 | 0.000 | 17.758 | 1000.0 |
| MW98-25 | DCDFM        | 9/7/21  | 4.8  | 1.0 | 0.000 | 17.757 | 1000.0 |
| MW98-25 | DCDFM        | 3/28/22 | 1.7  | 1.0 | 0.063 | 8.087  | 1000.0 |
| MW98-25 | DCDFM        | 9/14/22 | <1.0 | 1.0 | 0.000 | 8.157  | 1000.0 |
| MW98-25 | DCDFM        | 3/20/23 | 3.3  | 1.0 | 0.369 | 4.781  | 1000.0 |
| MW98-25 | DCDFM        | 9/12/23 | 2.1  | 1.0 | 0.542 | 3.258  | 1000.0 |
| MW98-25 | DCDFM        | 3/12/24 | <1.0 | 1.0 | 0.000 | 3.201  | 1000.0 |
| MW98-25 | DCDFM        | 9/30/24 | <1.0 | 1.0 | 0.000 | 3.201  | 1000.0 |
| MW98-25 | TCFM         | 3/16/16 | <1.0 | 1.0 | 0.000 | 2.763  | 2000.0 |
| MW98-25 | TCFM         | 9/8/16  | 4.4  | 1.0 | 0.000 | 3.769  | 2000.0 |
| MW98-25 | TCFM         | 3/17/17 | 4.3  | 1.0 | 0.000 | 5.040  | 2000.0 |
| MW98-25 | TCFM         | 9/19/17 | 1.6  | 1.0 | 0.397 | 5.003  | 2000.0 |
| MW98-25 | TCFM         | 3/8/18  | 2.5  | 1.0 | 1.579 | 4.821  | 2000.0 |
| MW98-25 | TCFM         | 9/24/18 | <1.0 | 1.0 | 0.335 | 4.115  | 2000.0 |
| MW98-25 | TCFM         | 3/25/19 | <1.0 | 1.0 | 0.137 | 2.413  | 2000.0 |
| MW98-25 | TCFM         | 9/3/19  | <1.0 | 1.0 | 0.000 | 2.176  | 2000.0 |
| MW98-25 | TCFM         | 3/23/20 | 6.0  | 1.0 | 0.000 | 5.110  | 2000.0 |
| MW98-25 | TCFM         | 9/4/20  | 1.0  | 1.0 | 0.000 | 5.149  | 2000.0 |
| MW98-25 | TCFM         | 3/9/21  | 2.6  | 1.0 | 0.000 | 5.447  | 2000.0 |



|         |      |         |      |     |       |       |        |
|---------|------|---------|------|-----|-------|-------|--------|
| MW98-25 | TCFM | 9/7/21  | <1.0 | 1.0 | 0.000 | 5.447 | 2000.0 |
| MW98-25 | TCFM | 3/28/22 | 1.0  | 1.0 | 0.200 | 2.350 | 2000.0 |
| MW98-25 | TCFM | 9/14/22 | <1.0 | 1.0 | 0.000 | 2.320 | 2000.0 |
| MW98-25 | TCFM | 3/20/23 | 1.2  | 1.0 | 0.381 | 1.219 | 2000.0 |
| MW98-25 | TCFM | 9/12/23 | 1.1  | 1.0 | 0.584 | 1.316 | 2000.0 |
| MW98-25 | TCFM | 3/12/24 | 1.0  | 1.0 | 0.584 | 1.316 | 2000.0 |
| MW98-25 | TCFM | 9/30/24 | <1.0 | 1.0 | 0.584 | 1.316 | 2000.0 |

| Monitoring Well | Compound | Date    | Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | 95% UCL (ug/L) | GWPS (ug/L) |
|-----------------|----------|---------|---------------|-------------------------|----------------|----------------|-------------|
| SRAMP-1         | Cobalt   | 3/16/16 | 20.1          | 1.5                     | 1.671          | 17.979         | 3.2         |
| SRAMP-1         | Cobalt   | 9/8/16  | 7.1           | 1.5                     | 1.671          | 17.979         | 3.2         |
| SRAMP-1         | Cobalt   | 3/17/17 | 8.1           | 1.5                     | 0.000          | 17.929         | 3.2         |
| SRAMP-1         | Cobalt   | 9/19/17 | 1.5           | 4.4                     | 0.000          | 18.405         | 3.2         |
| SRAMP-1         | Cobalt   | 3/8/18  | Dry           | 4.8                     | 0.000          | 18.405         | 3.2         |
| SRAMP-1         | Cobalt   | 9/24/18 | Dry           | 4.8                     | 0.000          | 18.405         | 3.2         |
| SRAMP-1         | Cobalt   | 3/25/19 | 7.7           | 4.8                     | 2.460          | 9.740          | 3.2         |
| SRAMP-1         | Cobalt   | 9/3/19  | 8.9           | 4.8                     | 2.547          | 10.553         | 3.2         |
| SRAMP-1         | Cobalt   | 3/23/20 | Dry           | 3.2                     | 2.547          | 10.553         | 3.2         |
| SRAMP-1         | Cobalt   | 9/4/20  | Dry           | 3.2                     | 2.547          | 10.553         | 3.2         |
| SRAMP-1         | Cobalt   | 3/9/21  | 2.7           | 3.2                     | 2.042          | 8.358          | 3.2         |
| SRAMP-1         | Cobalt   | 9/7/21  | Dry           | 3.2                     | 2.042          | 8.358          | 3.2         |
| SRAMP-1         | Cobalt   | 3/28/22 | 2.1           | 5.8                     | 2.042          | 8.358          | 5.8         |
| SRAMP-1         | Cobalt   | 9/14/22 | Dry           | 7.0                     | 2.042          | 8.358          | 7.0         |
| SRAMP-1         | Cobalt   | 3/20/23 | 1.8           | 7.0                     | 0.956          | 6.794          | 7.0         |
| SRAMP-1         | Cobalt   | 9/12/23 | Dry           | 7.0                     | 0.956          | 6.794          | 7.0         |
| SRAMP-1         | Cobalt   | 3/12/24 | Dry           | 7.0                     | 0.956          | 6.794          | 7.0         |
| SRAMP-1         | Cobalt   | 9/30/24 | Dry           | 7.0                     | 0.956          | 6.794          | 7.0         |
| SRAMP-1         | Nickel   | 3/16/16 | 27.9          | 14.0                    | 14.139         | 30.011         | 100.0       |
| SRAMP-1         | Nickel   | 9/8/16  | 24.9          | 14.0                    | 14.139         | 30.011         | 100.0       |
| SRAMP-1         | Nickel   | 3/17/17 | 23.9          | 14.0                    | 4.434          | 30.316         | 100.0       |
| SRAMP-1         | Nickel   | 9/19/17 | 6.7           | 14.0                    | 9.575          | 32.125         | 100.0       |
| SRAMP-1         | Nickel   | 3/8/18  | Dry           | 14.0                    | 9.575          | 32.125         | 100.0       |
| SRAMP-1         | Nickel   | 9/24/18 | Dry           | 14.0                    | 9.575          | 32.125         | 100.0       |
| SRAMP-1         | Nickel   | 3/25/19 | 18.2          | 14.0                    | 8.597          | 28.253         | 100.0       |
| SRAMP-1         | Nickel   | 9/3/19  | 26.0          | 14.0                    | 8.523          | 28.877         | 100.0       |
| SRAMP-1         | Nickel   | 3/23/20 | Dry           | 14.0                    | 8.523          | 28.877         | 100.0       |
| SRAMP-1         | Nickel   | 9/4/20  | Dry           | 14.0                    | 8.523          | 28.877         | 100.0       |
| SRAMP-1         | Nickel   | 3/9/21  | 6.4           | 14.0                    | 6.075          | 22.575         | 100.0       |
| SRAMP-1         | Nickel   | 9/7/21  | Dry           | 14.0                    | 6.075          | 22.575         | 100.0       |
| SRAMP-1         | Nickel   | 3/28/22 | 7.6           | 33.6                    | 6.075          | 22.575         | 100.0       |
| SRAMP-1         | Nickel   | 9/14/22 | Dry           | 33.6                    | 6.075          | 22.575         | 100.0       |
| SRAMP-1         | Nickel   | 3/20/23 | 7.5           | 33.6                    | 3.706          | 20.044         | 100.0       |
| SRAMP-1         | Nickel   | 9/12/23 | Dry           | 17.4                    | 3.706          | 20.044         | 100.0       |
| SRAMP-1         | Nickel   | 3/12/24 | Dry           | 17.4                    | 3.706          | 20.044         | 100.0       |
| SRAMP-1         | Nickel   | 9/30/24 | Dry           | 17.4                    | 3.706          | 20.044         | 100.0       |
| SRAMP-1         | 1,1-DCA  | 3/16/16 | <1.0          | 1.0                     | 0.500          | 0.500          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 9/8/16  | <1.0          | 1.0                     | 0.500          | 0.500          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 3/17/17 | <1.0          | 1.0                     | 0.500          | 0.500          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 9/19/17 | <1.0          | 1.0                     | 0.500          | 0.500          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 3/8/18  | Dry           | 1.0                     | 0.500          | 0.500          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 9/24/18 | Dry           | 1.0                     | 0.500          | 0.500          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 3/25/19 | <1.0          | 1.0                     | 0.500          | 0.500          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 9/3/19  | <1.0          | 1.0                     | 0.500          | 0.500          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 3/23/20 | Dry           | 1.0                     | 0.500          | 0.500          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 9/4/20  | Dry           | 1.0                     | 0.500          | 0.500          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 3/9/21  | 2.6           | 1.0                     | 0.000          | 2.260          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 9/7/21  | Dry           | 1.0                     | 0.000          | 2.260          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 3/28/22 | 1.4           | 1.0                     | 0.080          | 2.420          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 9/14/22 | Dry           | 1.0                     | 0.080          | 2.420          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 3/20/23 | 1.4           | 1.0                     | 0.461          | 2.489          | 140.0       |
| SRAMP-1         | 1,1-DCA  | 9/12/23 | Dry           | 1.0                     | 0.461          | 2.489          | 140.0       |

|         |               |         |      |     |       |       |       |
|---------|---------------|---------|------|-----|-------|-------|-------|
| SRAMP-1 | 1,1-DCA       | 3/12/24 | Dry  | 1.0 | 0.461 | 2.489 | 140.0 |
| SRAMP-1 | 1,1-DCA       | 9/30/24 | Dry  | 1.0 | 0.461 | 2.489 | 140.0 |
| SRAMP-1 | 1,4-DCB       | 3/16/16 | 3.9  | 1.0 | 0.289 | 6.211 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 9/8/16  | 4.6  | 1.0 | 2.230 | 6.320 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 3/17/17 | 2.7  | 1.0 | 0.000 | 2.344 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 9/19/17 | <1.0 | 1.0 | 0.811 | 5.039 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 3/8/18  | Dry  | 1.0 | 0.811 | 5.039 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 9/24/18 | Dry  | 1.0 | 0.811 | 5.039 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 3/25/19 | <1.0 | 1.0 | 0.000 | 4.401 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 9/3/19  | <1.0 | 1.0 | 0.000 | 2.344 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 3/23/20 | Dry  | 1.0 | 0.000 | 2.344 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 9/4/20  | Dry  | 1.0 | 0.000 | 2.344 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 3/9/21  | 5.8  | 1.0 | 0.000 | 4.942 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 9/7/21  | Dry  | 1.0 | 0.000 | 4.942 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 3/28/22 | 5.0  | 1.0 | 0.000 | 6.300 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 9/14/22 | Dry  | 1.0 | 0.000 | 6.300 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 3/20/23 | 6.5  | 1.0 | 1.270 | 7.630 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 9/12/23 | Dry  | 1.0 | 1.270 | 7.630 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 3/12/24 | Dry  | 1.0 | 1.270 | 7.630 | 75.0  |
| SRAMP-1 | 1,4-DCB       | 9/30/24 | Dry  | 1.0 | 1.270 | 7.630 | 75.0  |
| SRAMP-1 | Benzene       | 3/16/16 | 5.0  | 1.0 | 0.589 | 6.561 | 5.0   |
| SRAMP-1 | Benzene       | 9/8/16  | 2.2  | 1.0 | 1.743 | 6.257 | 5.0   |
| SRAMP-1 | Benzene       | 3/17/17 | 2.0  | 1.0 | 0.000 | 1.757 | 5.0   |
| SRAMP-1 | Benzene       | 9/19/17 | <1.0 | 1.0 | 0.217 | 4.633 | 5.0   |
| SRAMP-1 | Benzene       | 3/8/18  | Dry  | 1.0 | 0.217 | 4.633 | 5.0   |
| SRAMP-1 | Benzene       | 9/24/18 | Dry  | 1.0 | 0.217 | 4.633 | 5.0   |
| SRAMP-1 | Benzene       | 3/25/19 | 1.2  | 1.0 | 0.557 | 2.393 | 5.0   |
| SRAMP-1 | Benzene       | 9/3/19  | 1.2  | 1.0 | 0.504 | 1.946 | 5.0   |
| SRAMP-1 | Benzene       | 3/23/20 | Dry  | 1.0 | 0.504 | 1.946 | 5.0   |
| SRAMP-1 | Benzene       | 9/4/20  | Dry  | 1.0 | 0.504 | 1.946 | 5.0   |
| SRAMP-1 | Benzene       | 3/9/21  | 5.7  | 1.0 | 0.000 | 4.961 | 5.0   |
| SRAMP-1 | Benzene       | 9/7/21  | Dry  | 1.0 | 0.000 | 4.961 | 5.0   |
| SRAMP-1 | Benzene       | 3/28/22 | 4.8  | 1.0 | 0.441 | 6.009 | 5.0   |
| SRAMP-1 | Benzene       | 9/14/22 | Dry  | 1.0 | 0.441 | 6.009 | 5.0   |
| SRAMP-1 | Benzene       | 3/20/23 | 5.7  | 1.0 | 1.830 | 6.870 | 5.0   |
| SRAMP-1 | Benzene       | 9/12/23 | Dry  | 1.0 | 1.830 | 6.870 | 5.0   |
| SRAMP-1 | Benzene       | 3/12/24 | Dry  | 1.0 | 1.830 | 6.870 | 5.0   |
| SRAMP-1 | Benzene       | 9/30/24 | Dry  | 1.0 | 1.830 | 6.870 | 5.0   |
| SRAMP-1 | Chlorobenzene | 3/16/16 | 1.9  | 1.0 | 0.179 | 2.471 | 100.0 |
| SRAMP-1 | Chlorobenzene | 9/8/16  | 1.4  | 1.0 | 0.597 | 2.503 | 100.0 |
| SRAMP-1 | Chlorobenzene | 3/17/17 | 1.1  | 1.0 | 0.297 | 1.003 | 100.0 |
| SRAMP-1 | Chlorobenzene | 9/19/17 | <1.0 | 1.0 | 0.537 | 1.913 | 100.0 |
| SRAMP-1 | Chlorobenzene | 3/8/18  | Dry  | 1.0 | 0.537 | 1.913 | 100.0 |
| SRAMP-1 | Chlorobenzene | 9/24/18 | Dry  | 1.0 | 0.537 | 1.913 | 100.0 |
| SRAMP-1 | Chlorobenzene | 3/25/19 | 1.5  | 1.0 | 0.596 | 1.654 | 100.0 |
| SRAMP-1 | Chlorobenzene | 9/3/19  | <1.0 | 1.0 | 0.324 | 1.476 | 100.0 |
| SRAMP-1 | Chlorobenzene | 3/23/20 | Dry  | 1.0 | 0.324 | 1.476 | 100.0 |
| SRAMP-1 | Chlorobenzene | 9/4/20  | Dry  | 1.0 | 0.324 | 1.476 | 100.0 |
| SRAMP-1 | Chlorobenzene | 3/9/21  | 1.7  | 1.0 | 0.297 | 1.803 | 100.0 |
| SRAMP-1 | Chlorobenzene | 9/7/21  | Dry  | 1.0 | 0.297 | 1.803 | 100.0 |
| SRAMP-1 | Chlorobenzene | 3/28/22 | 1.4  | 1.0 | 0.650 | 1.900 | 100.0 |
| SRAMP-1 | Chlorobenzene | 9/14/22 | Dry  | 1.0 | 0.650 | 1.900 | 100.0 |
| SRAMP-1 | Chlorobenzene | 3/20/23 | 1.7  | 1.0 | 0.657 | 1.993 | 100.0 |

|         |               |         |      |     |        |        |         |
|---------|---------------|---------|------|-----|--------|--------|---------|
| SRAMP-1 | Chlorobenzene | 9/12/23 | Dry  | 1.0 | 0.657  | 1.993  | 100.0   |
| SRAMP-1 | Chlorobenzene | 3/12/24 | Dry  | 1.0 | 0.657  | 1.993  | 100.0   |
| SRAMP-1 | Chlorobenzene | 9/30/24 | Dry  | 1.0 | 0.657  | 1.993  | 100.0   |
| SRAMP-1 | Chloroethane  | 3/16/16 | 1.9  | 1.0 | 0.258  | 1.892  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 9/8/16  | 2.0  | 1.0 | 0.644  | 2.256  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 3/17/17 | 1.6  | 1.0 | 0.128  | 1.422  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 9/19/17 | <1.0 | 1.0 | 0.691  | 2.309  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 3/8/18  | Dry  | 1.0 | 0.691  | 2.309  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 9/24/18 | Dry  | 1.0 | 0.691  | 2.309  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 3/25/19 | 2.6  | 1.0 | 0.634  | 2.716  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 9/3/19  | 2.5  | 1.0 | 0.651  | 2.949  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 3/23/20 | Dry  | 1.0 | 0.651  | 2.949  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 9/4/20  | Dry  | 1.0 | 0.651  | 2.949  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 3/9/21  | 2.6  | 1.0 | 0.833  | 3.267  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 9/7/21  | Dry  | 1.0 | 0.833  | 3.267  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 3/28/22 | 1.6  | 1.0 | 1.754  | 2.896  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 9/14/22 | Dry  | 1.0 | 1.754  | 2.896  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 3/20/23 | 2.0  | 1.0 | 1.629  | 2.721  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 9/12/23 | Dry  | 1.0 | 1.629  | 2.721  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 3/12/24 | Dry  | 1.0 | 1.629  | 2.721  | 2,800.0 |
| SRAMP-1 | Chloroethane  | 9/30/24 | Dry  | 1.0 | 1.629  | 2.721  | 2,800.0 |
| SRAMP-1 | Cis-1,2-DCE   | 3/16/16 | 2.5  | 1.0 | 0.570  | 2.980  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 9/8/16  | 2.8  | 1.0 | 1.591  | 3.109  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 3/17/17 | 2.1  | 1.0 | 0.000  | 1.841  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 9/19/17 | <1.0 | 1.0 | 0.770  | 3.180  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 3/8/18  | Dry  | 1.0 | 0.770  | 3.180  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 9/24/18 | Dry  | 1.0 | 0.770  | 3.180  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 3/25/19 | 4.0  | 1.0 | 0.631  | 4.069  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 9/3/19  | 2.4  | 1.0 | 0.563  | 3.937  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 3/23/20 | Dry  | 1.0 | 0.563  | 3.937  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 9/4/20  | Dry  | 1.0 | 0.563  | 3.937  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 3/9/21  | 4.4  | 1.0 | 0.738  | 4.912  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 9/7/21  | Dry  | 1.0 | 0.738  | 4.912  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 3/28/22 | 3.0  | 1.0 | 2.374  | 4.526  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 9/14/22 | Dry  | 1.0 | 2.374  | 4.526  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 3/20/23 | 3.0  | 1.0 | 2.202  | 4.198  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 9/12/23 | Dry  | 1.0 | 2.202  | 4.198  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 3/12/24 | Dry  | 1.0 | 2.202  | 4.198  | 70.0    |
| SRAMP-1 | Cis-1,2-DCE   | 9/30/24 | Dry  | 1.0 | 2.202  | 4.198  | 70.0    |
| SRAMP-1 | DCDFM         | 3/16/16 | 16.5 | 1.0 | 0.000  | 38.018 | 1000.0  |
| SRAMP-1 | DCDFM         | 9/8/16  | 40.7 | 1.0 | 12.292 | 44.958 | 1000.0  |
| SRAMP-1 | DCDFM         | 3/17/17 | 34.8 | 1.0 | 0.000  | 29.248 | 1000.0  |
| SRAMP-1 | DCDFM         | 9/19/17 | 3.1  | 1.0 | 3.533  | 44.017 | 1000.0  |
| SRAMP-1 | DCDFM         | 3/8/18  | Dry  | 1.0 | 3.533  | 44.017 | 1000.0  |
| SRAMP-1 | DCDFM         | 9/24/18 | Dry  | 1.0 | 3.533  | 44.017 | 1000.0  |
| SRAMP-1 | DCDFM         | 3/25/19 | 38.4 | 1.0 | 8.545  | 49.955 | 1000.0  |
| SRAMP-1 | DCDFM         | 9/3/19  | <1.0 | 1.0 | 0.000  | 42.930 | 1000.0  |
| SRAMP-1 | DCDFM         | 3/23/20 | Dry  | 1.0 | 0.000  | 42.930 | 1000.0  |
| SRAMP-1 | DCDFM         | 9/4/20  | Dry  | 1.0 | 0.000  | 42.930 | 1000.0  |
| SRAMP-1 | DCDFM         | 3/9/21  | 50.7 | 1.0 | 0.000  | 52.829 | 1000.0  |
| SRAMP-1 | DCDFM         | 9/7/21  | Dry  | 1.0 | 0.000  | 52.829 | 1000.0  |
| SRAMP-1 | DCDFM         | 3/28/22 | 12.2 | 1.0 | 0.000  | 52.643 | 1000.0  |
| SRAMP-1 | DCDFM         | 9/14/22 | Dry  | 1.0 | 0.000  | 52.643 | 1000.0  |

|         |       |         |      |     |       |        |        |
|---------|-------|---------|------|-----|-------|--------|--------|
| SRAMP-1 | DCDFM | 3/20/23 | 18.4 | 1.0 | 0.000 | 45.727 | 1000.0 |
| SRAMP-1 | DCDFM | 9/12/23 | Dry  | 1.0 | 0.000 | 45.727 | 1000.0 |
| SRAMP-1 | DCDFM | 3/12/24 | Dry  | 1.0 | 0.000 | 45.727 | 1000.0 |
| SRAMP-1 | DCDFM | 9/30/24 | Dry  | 1.0 | 0.000 | 45.727 | 1000.0 |
| SRAMP-1 | TCFM  | 3/16/16 | 39.1 | 1.0 | 0.000 | 33.549 | 2000.0 |
| SRAMP-1 | TCFM  | 9/8/16  | 24.2 | 1.0 | 0.000 | 38.196 | 2000.0 |
| SRAMP-1 | TCFM  | 3/17/17 | 17.9 | 1.0 | 0.000 | 15.084 | 2000.0 |
| SRAMP-1 | TCFM  | 9/19/17 | 2.1  | 1.0 | 2.779 | 38.851 | 2000.0 |
| SRAMP-1 | TCFM  | 3/8/18  | Dry  | 1.0 | 2.779 | 38.851 | 2000.0 |
| SRAMP-1 | TCFM  | 9/24/18 | Dry  | 1.0 | 2.779 | 38.851 | 2000.0 |
| SRAMP-1 | TCFM  | 3/25/19 | 22.5 | 1.0 | 4.824 | 28.526 | 2000.0 |
| SRAMP-1 | TCFM  | 9/3/19  | <1.0 | 1.0 | 0.000 | 23.797 | 2000.0 |
| SRAMP-1 | TCFM  | 3/23/20 | Dry  | 1.0 | 0.000 | 23.797 | 2000.0 |
| SRAMP-1 | TCFM  | 9/4/20  | Dry  | 1.0 | 0.000 | 23.797 | 2000.0 |
| SRAMP-1 | TCFM  | 3/9/21  | 28.0 | 1.0 | 0.000 | 29.771 | 2000.0 |
| SRAMP-1 | TCFM  | 9/7/21  | Dry  | 1.0 | 0.000 | 29.771 | 2000.0 |
| SRAMP-1 | TCFM  | 3/28/22 | 8.1  | 1.0 | 0.000 | 29.699 | 2000.0 |
| SRAMP-1 | TCFM  | 9/14/22 | Dry  | 1.0 | 0.000 | 29.699 | 2000.0 |
| SRAMP-1 | TCFM  | 3/20/23 | 9.1  | 1.0 | 0.000 | 25.186 | 2000.0 |
| SRAMP-1 | TCFM  | 9/12/23 | Dry  | 1.0 | 0.000 | 25.186 | 2000.0 |
| SRAMP-1 | TCFM  | 3/12/24 | Dry  | 1.0 | 0.000 | 25.186 | 2000.0 |
| SRAMP-1 | TCFM  | 9/30/24 | Dry  | 1.0 | 0.000 | 25.186 | 2000.0 |

| Monitoring Well | Compound       | Date    | Result (ug/L) | Prediction Limit (ug/L) | 95% LCL (ug/L) | 95% UCL (ug/L) | GWPS (ug/L) |
|-----------------|----------------|---------|---------------|-------------------------|----------------|----------------|-------------|
| GU-3            | Nickel         | 9/13/21 | 15.2          | 17.4                    | ---            | ---            | 100.0       |
| GU-3            | Nickel         | 12/3/21 | 12.4          | 17.4                    | ---            | ---            | 100.0       |
| GU-3            | Nickel         | 3/28/22 | 12.7          | 17.4                    | ---            | ---            | 100.0       |
| GU-3            | Nickel         | 9/15/22 | 21.1          | 17.4                    | 11.857         | 18.843         | 100.0       |
| GU-3            | Nickel         | 3/20/23 | submerged     | 17.4                    | 11.857         | 18.843         | 100.0       |
| GU-3            | Nickel         | 9/12/23 | submerged     | 17.4                    | 11.857         | 18.843         | 100.0       |
| GU-3            | Nickel         | 3/12/24 | submerged     | 17.4                    | 11.857         | 18.843         | 100.0       |
| GU-3            | Nickel         | 9/30/24 | 36.8          | 17.4                    | 7.300          | 34.200         | 100.0       |
| GU-3            | Nickel         | 12/9/24 | 23.5          | 17.4                    | 7.300          | 34.200         | 100.0       |
| GU-3            | Benzene        | 9/13/21 | 1.3           | 1.0                     | ---            | ---            | 5.0         |
| GU-3            | Benzene        | 12/3/21 | 6.0           | 1.0                     | ---            | ---            | 5.0         |
| GU-3            | Benzene        | 3/28/22 | 6.2           | 1.0                     | ---            | ---            | 5.0         |
| GU-3            | Benzene        | 9/15/22 | 6.1           | 1.0                     | 2.075          | 7.725          | 5.0         |
| GU-3            | Benzene        | 3/20/23 | submerged     | 1.0                     | 2.075          | 7.725          | 5.0         |
| GU-3            | Benzene        | 9/12/23 | submerged     | 1.0                     | 2.075          | 7.725          | 5.0         |
| GU-3            | Benzene        | 3/12/24 | submerged     | 1.0                     | 2.075          | 7.725          | 5.0         |
| GU-3            | Benzene        | 9/30/24 | 6.0           | 1.0                     | 5.962          | 6.188          | 5.0         |
| GU-3            | Chlorobenzene  | 9/13/21 | <1.0          | 1.0                     | ---            | ---            | 100.0       |
| GU-3            | Chlorobenzene  | 12/3/21 | <1.0          | 1.0                     | ---            | ---            | 100.0       |
| GU-3            | Chlorobenzene  | 3/28/22 | 1.8           | 1.0                     | ---            | ---            | 100.0       |
| GU-3            | Chlorobenzene  | 9/15/22 | 1.7           | 1.0                     | 0.275          | 1.975          | 100.0       |
| GU-3            | Chlorobenzene  | 3/20/23 | submerged     | 1.0                     | 0.275          | 1.975          | 100.0       |
| GU-3            | Chlorobenzene  | 9/12/23 | submerged     | 1.0                     | 0.275          | 1.975          | 100.0       |
| GU-3            | Chlorobenzene  | 3/12/24 | submerged     | 1.0                     | 0.275          | 1.975          | 100.0       |
| GU-3            | Chlorobenzene  | 9/30/24 | 1.3           | 1.0                     | 0.630          | 2.020          | 100.0       |
| GU-3            | Chloroethane   | 9/13/21 | 1.4           | 1.0                     | ---            | ---            | 2,800.0     |
| GU-3            | Chloroethane   | 12/3/21 | 2.0           | 1.0                     | ---            | ---            | 2,800.0     |
| GU-3            | Chloroethane   | 3/28/22 | <1.0          | 1.0                     | ---            | ---            | 2,800.0     |
| GU-3            | Chloroethane   | 9/15/22 | 1.6           | 1.0                     | 0.826          | 1.924          | 2,800.0     |
| GU-3            | Chloroethane   | 3/20/23 | submerged     | 1.0                     | 0.826          | 1.924          | 2,800.0     |
| GU-3            | Chloroethane   | 9/12/23 | submerged     | 1.0                     | 0.826          | 1.924          | 2,800.0     |
| GU-3            | Chloroethane   | 3/12/24 | submerged     | 1.0                     | 0.826          | 1.924          | 2,800.0     |
| GU-3            | Chloroethane   | 9/30/24 | 1.3           | 1.0                     | 1.081          | 1.969          | 2,800.0     |
| GU-3            | Cis-1,2-DCE    | 9/13/21 | 1.0           | 1.0                     | ---            | ---            | 70.0        |
| GU-3            | Cis-1,2-DCE    | 12/3/21 | 10.5          | 1.0                     | ---            | ---            | 70.0        |
| GU-3            | Cis-1,2-DCE    | 3/28/22 | <1.0          | 1.0                     | ---            | ---            | 70.0        |
| GU-3            | Cis-1,2-DCE    | 9/15/22 | 11.9          | 1.0                     | 0.724          | 11.226         | 70.0        |
| GU-3            | Cis-1,2-DCE    | 3/20/23 | submerged     | 1.0                     | 0.724          | 11.226         | 70.0        |
| GU-3            | Cis-1,2-DCE    | 9/12/23 | submerged     | 1.0                     | 0.724          | 11.226         | 70.0        |
| GU-3            | Cis-1,2-DCE    | 3/12/24 | submerged     | 1.0                     | 0.724          | 11.226         | 70.0        |
| GU-3            | Cis-1,2-DCE    | 9/30/24 | 4.3           | 1.0                     | 0.896          | 12.981         | 70.0        |
| GU-3            | Ethylbenzene   | 9/13/21 | <1.0          | 1.0                     | ---            | ---            | 2.0         |
| GU-3            | Ethylbenzene   | 12/3/21 | <1.0          | 1.0                     | ---            | ---            | 2.0         |
| GU-3            | Ethylbenzene   | 3/28/22 | <1.0          | 1.0                     | ---            | ---            | 2.0         |
| GU-3            | Ethylbenzene   | 9/15/22 | 1.8           | 1.0                     | 0.060          | 1.590          | 2.0         |
| GU-3            | Ethylbenzene   | 3/20/23 | submerged     | 1.0                     | 0.060          | 1.590          | 2.0         |
| GU-3            | Ethylbenzene   | 9/12/23 | submerged     | 1.0                     | 0.060          | 1.590          | 2.0         |
| GU-3            | Ethylbenzene   | 3/12/24 | submerged     | 1.0                     | 0.060          | 1.590          | 2.0         |
| GU-3            | Ethylbenzene   | 9/30/24 | <1.0          | 1.0                     | 0.060          | 1.590          | 2.0         |
| GU-3            | Vinyl Chloride | 9/13/21 | <1.0          | 1.0                     | ---            | ---            | 2.0         |
| GU-3            | Vinyl Chloride | 12/3/21 | 3.6           | 1.0                     | ---            | ---            | 2.0         |

|      |                |         |           |     |       |       |     |
|------|----------------|---------|-----------|-----|-------|-------|-----|
| GU-3 | Vinyl Chloride | 3/28/22 | 3.0       | 1.0 | ---   | ---   | 2.0 |
| GU-3 | Vinyl Chloride | 9/15/22 | 1.9       | 1.0 | 0.647 | 3.853 | 2.0 |
| GU-3 | Vinyl Chloride | 3/20/23 | submerged | 1.0 | 0.647 | 3.853 | 2.0 |
| GU-3 | Vinyl Chloride | 9/12/23 | submerged | 1.0 | 0.647 | 3.853 | 2.0 |
| GU-3 | Vinyl Chloride | 3/12/24 | submerged | 1.0 | 0.647 | 3.853 | 2.0 |
| GU-3 | Vinyl Chloride | 9/30/24 | 1.2       | 1.0 | 1.157 | 3.693 | 2.0 |

## Appendix E

### Laboratory Reports for Reporting Period *With Chain of Custody*





Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HC1004

Project Description

6007

For:

Todd Whipple

**HLW Engineering**

PO Box 314

Story City, IA 50248

---

Heather Murphy

Customer Relationship Specialist

Thursday, April 4, 2024

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

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

Microbac Laboratories, Inc.

600 East 17th Street South | Newton, IA 50208 | 641-792-8451 p | [www.microbac.com](http://www.microbac.com)



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HC1004

HLW Engineering

Project Name: 6007

Todd Whipple  
PO Box 314  
Story City, IA 50248

Project / PO Number: Boone Landfill-New Regs  
Received: 03/13/2024  
Reported: 04/04/2024

Sample Summary Report

| <u>Sample Name</u> | <u>Laboratory ID</u> | <u>Client Matrix</u> | <u>Sample Type</u> | <u>Sample Begin</u> | <u>Sample Taken</u> | <u>Lab Received</u> |
|--------------------|----------------------|----------------------|--------------------|---------------------|---------------------|---------------------|
| MW91-8             | 1HC1004-01           | Water                | GRAB               |                     | 03/12/24 13:54      | 03/13/24 10:29      |
| MW02-15A           | 1HC1004-02           | Water                | GRAB               |                     | 03/12/24 12:28      | 03/13/24 10:29      |
| MW98-28            | 1HC1004-03           | Water                | GRAB               |                     | 03/12/24 13:30      | 03/13/24 10:29      |
| MW02-30A           | 1HC1004-04           | Water                | GRAB               |                     | 03/12/24 12:05      | 03/13/24 10:29      |
| MW88-2             | 1HC1004-05           | Water                | GRAB               |                     | 03/12/24 11:10      | 03/13/24 10:29      |
| MW94-18            | 1HC1004-06           | Water                | GRAB               |                     | 03/12/24 08:15      | 03/13/24 10:29      |
| MW09-40            | 1HC1004-07           | Water                | GRAB               |                     | 03/12/24 08:34      | 03/13/24 10:29      |
| MW91-10            | 1HC1004-08           | Water                | GRAB               |                     | 03/12/24 08:50      | 03/13/24 10:29      |
| MW96-21            | 1HC1004-09           | Water                | GRAB               |                     | 03/12/24 07:40      | 03/13/24 10:29      |
| MW96-24            | 1HC1004-10           | Water                | GRAB               |                     | 03/12/24 09:25      | 03/13/24 10:29      |
| MW88-3             | 1HC1004-11           | Water                | GRAB               |                     | 03/12/24 10:29      | 03/13/24 10:29      |
| MW96-23            | 1HC1004-12           | Water                | GRAB               |                     | 03/12/24 09:49      | 03/13/24 10:29      |
| MW21-43            | 1HC1004-13           | Water                | GRAB               |                     | 03/12/24 11:40      | 03/13/24 10:29      |
| GU-4               | 1HC1004-14           | Water                | GRAB               |                     | 03/12/24 10:55      | 03/13/24 10:29      |
| SRAMP #2           | 1HC1004-15           | Water                | GRAB               |                     | 03/12/24 10:15      | 03/13/24 10:29      |
| MW98-25            | 1HC1004-16           | Water                | GRAB               |                     | 03/12/24 13:05      | 03/13/24 10:29      |
| MW06-37            | 1HC1004-17           | Water                | GRAB               |                     | 03/12/24 14:15      | 03/13/24 10:29      |
| MW06-38            | 1HC1004-18           | Water                | GRAB               |                     | 03/12/24 14:28      | 03/13/24 10:29      |
| MW06-39            | 1HC1004-19           | Water                | GRAB               |                     | 03/12/24 14:42      | 03/13/24 10:29      |
| Field Duplicate    | 1HC1004-20           | Water                | GRAB               |                     | 03/12/24 00:00      | 03/13/24 10:29      |



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CERTIFICATE OF ANALYSIS

1HC1004

Analytical Testing Parameters

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW91-8     | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 13:54 |
| <b>Lab Sample ID:</b>    | 1HC1004-01 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1907 | CSM     |



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CERTIFICATE OF ANALYSIS

1HC1004

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW91-8     | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 13:54 |
| <b>Lab Sample ID:</b>    | 1HC1004-01 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| Bromoform                                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Surrogate: Dibromofluoromethane             | 75.7   | Limit: 75-136 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Surrogate: Dibromofluoromethane             | 75.7   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 72.4   | Limit: 61-142 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 72.4   | Limit: 63-138 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 87-116 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 82-121 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.3   | Limit: 80-116 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.3   | Limit: 85-111 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1907 | CSM     |

| Determination of Total Metals | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |              |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Arsenic, total                | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Barium, total                 | <b>0.107</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Beryllium, total              | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Cadmium, total                | <0.0008      | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Chromium, total               | <0.0080      | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Cobalt, total                 | <0.0004      | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Copper, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Lead, total                   | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Nickel, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Selenium, total               | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Silver, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Thallium, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Vanadium, total               | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |
| Zinc, total                   | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2049 | RVV     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW02-15A   | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 12:28 |
| <b>Lab Sample ID:</b>    | 1HC1004-02 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1933 | CSM     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW02-15A   | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 12:28 |
| <b>Lab Sample ID:</b>    | 1HC1004-02 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Surrogate: Dibromofluoromethane             | 70.4   | Limit: 75-136 | % Rec | 1  | <b>S-GC</b> | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Surrogate: Dibromofluoromethane             | 70.4   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 66.9   | Limit: 61-142 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 66.9   | Limit: 63-138 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 82-121 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 87-116 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.1   | Limit: 85-111 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1933 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.1   | Limit: 80-116 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1933 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Barium, total                 | <b>0.0389</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Cobalt, total                 | <b>0.0012</b> | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Nickel, total                 | <b>0.0066</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2126 | RVV     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW98-28    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 13:30 |
| <b>Lab Sample ID:</b>    | 1HC1004-03 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 1959 | CSM     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW98-28    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 13:30 |
| <b>Lab Sample ID:</b>    | 1HC1004-03 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Surrogate: Dibromofluoromethane             | 72.4   | Limit: 75-136 | % Rec | 1  | <b>S-GC</b> | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Surrogate: Dibromofluoromethane             | 72.4   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 71.0   | Limit: 61-142 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 71.0   | Limit: 63-138 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 87-116 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 82-121 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.2   | Limit: 80-116 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1959 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.2   | Limit: 85-111 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 1959 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Barium, total                 | <b>0.246</b>  | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Cobalt, total                 | <b>0.0008</b> | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Nickel, total                 | <b>0.0058</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2132 | RVV     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW02-30A   | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 12:05 |
| <b>Lab Sample ID:</b>    | 1HC1004-04 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2026 | CSM     |

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|                                   |  |
|-----------------------------------|--|
| <b>Client Sample ID:</b> MW02-30A | <b>Collected By:</b> Whipple, Todd       |
| <b>Sample Matrix:</b> Water       | <b>Collection Date:</b> 03/12/2024 12:05 |
| <b>Lab Sample ID:</b> 1HC1004-04  |  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Surrogate: Dibromofluoromethane             | 75.1   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Surrogate: Dibromofluoromethane             | 75.1   | Limit: 75-136 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 72.6   | Limit: 63-138 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 72.6   | Limit: 61-142 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 87-116 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 82-121 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 83.5   | Limit: 85-111 | % Rec | 1  | <b>S-GC</b> | 03/15/24 0000 | 03/15/24 2026 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 83.5   | Limit: 80-116 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 2026 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Arsenic, total                | <b>0.0443</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Barium, total                 | <b>0.120</b>  | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Cobalt, total                 | <b>0.0006</b> | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/21/24 2138 | RVV     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW88-2     | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 11:10 |
| <b>Lab Sample ID:</b>    | 1HC1004-05 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |



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|                                  |  |
|----------------------------------|--|
| <b>Client Sample ID:</b> MW88-2  | <b>Collected By:</b> Whipple, Todd       |
| <b>Sample Matrix:</b> Water      | <b>Collection Date:</b> 03/12/2024 11:10 |
| <b>Lab Sample ID:</b> 1HC1004-05 |  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Surrogate: Dibromofluoromethane             | 70.1   | Limit: 80-126 | % Rec | 1  | S-GC | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Surrogate: Dibromofluoromethane             | 70.1   | Limit: 75-136 | % Rec | 1  | S-GC | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 66.8   | Limit: 63-138 | % Rec | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 66.8   | Limit: 61-142 | % Rec | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 82-121 | % Rec | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 87-116 | % Rec | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.2   | Limit: 80-116 | % Rec | 1  |      | 03/15/24 0000 | 03/15/24 2052 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.2   | Limit: 85-111 | % Rec | 1  | S-GC | 03/15/24 0000 | 03/15/24 2052 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Arsenic, total                | <b>0.0127</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Barium, total                 | <b>0.270</b>  | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Cobalt, total                 | <b>0.0008</b> | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0817 | RVV     |



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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW94-18    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 8:15 |
| <b>Lab Sample ID:</b>    | 1HC1004-06 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/15/24 0000 | 03/15/24 2118 | CSM     |

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1HC1004

|                                  |   |
|----------------------------------|---|
| <b>Client Sample ID:</b> MW94-18 | <b>Collected By:</b> Whipple, Todd      |
| <b>Sample Matrix:</b> Water      | <b>Collection Date:</b> 03/12/2024 8:15 |
| <b>Lab Sample ID:</b> 1HC1004-06 |   |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Surrogate: Dibromofluoromethane             | 72.0   | Limit: 75-136 | % Rec | 1  | <b>S-GC</b> | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Surrogate: Dibromofluoromethane             | 72.0   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 69.2   | Limit: 61-142 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 69.2   | Limit: 63-138 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 82-121 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 87-116 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.2   | Limit: 80-116 | % Rec | 1  |             | 03/15/24 0000 | 03/15/24 2118 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.2   | Limit: 85-111 | % Rec | 1  | <b>S-GC</b> | 03/15/24 0000 | 03/15/24 2118 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Barium, total                 | <b>0.0244</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Copper, total                 | <b>0.0057</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0824 | RVV     |



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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW09-40    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 8:34 |
| <b>Lab Sample ID:</b>    | 1HC1004-07 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1450 | CSM     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW09-40    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 8:34 |
| <b>Lab Sample ID:</b>    | 1HC1004-07 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Surrogate: Dibromofluoromethane             | 50.3   | Limit: 75-136 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Surrogate: Dibromofluoromethane             | 50.3   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 48.3   | Limit: 63-138 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 48.3   | Limit: 61-142 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 87-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 82-121 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.1   | Limit: 80-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1450 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.1   | Limit: 85-111 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1450 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Barium, total                 | <b>0.0213</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0830 | RVV     |

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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW91-10    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 8:50 |
| <b>Lab Sample ID:</b>    | 1HC1004-08 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1516 | CSM     |



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1HC1004

|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW91-10    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 8:50 |
| <b>Lab Sample ID:</b>    | 1HC1004-08 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Surrogate: Dibromofluoromethane             | 64.2   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Surrogate: Dibromofluoromethane             | 64.2   | Limit: 75-136 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 60.5   | Limit: 63-138 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 60.5   | Limit: 61-142 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Surrogate: Toluene-d8                       | 103    | Limit: 82-121 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Surrogate: Toluene-d8                       | 103    | Limit: 87-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 88.2   | Limit: 80-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1516 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 88.2   | Limit: 85-111 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1516 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Barium, total                 | <b>0.0407</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0836 | RVV     |

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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW96-21    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 7:40 |
| <b>Lab Sample ID:</b>    | 1HC1004-09 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Dichlorodifluoromethane                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Acrolein                                    | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Methyl Iodide                               | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Acetonitrile                                | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 2,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 2-Butanone (MEK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,1-Dichloropropene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Ethyl Methacrylate                          | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,3-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |

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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW96-21    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 7:40 |
| <b>Lab Sample ID:</b>    | 1HC1004-09 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| Chlorobenzene                               | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Xylenes, total                              | <2.0   | 2.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Styrene                                     | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Bromoform                                   | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,3-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| 1,2,4-Trichlorobenzene                      | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Allyl chloride                              | <1.0   | 1.0           | ug/L  | 1  |      | 03/22/24 0000 | 03/22/24 1226 | CSM     |
| Chloroprene                                 | <1.0   | 1.0           | ug/L  | 1  |      | 03/22/24 0000 | 03/22/24 1226 | CSM     |
| Methacrylonitrile                           | <1.0   | 1.0           | ug/L  | 1  |      | 03/22/24 0000 | 03/22/24 1226 | CSM     |
| Methyl Methacrylate                         | <1.0   | 1.0           | ug/L  | 1  |      | 03/22/24 0000 | 03/22/24 1226 | CSM     |
| Propionitrile                               | <10.0  | 10.0          | ug/L  | 1  |      | 03/22/24 0000 | 03/22/24 1226 | CSM     |
| Surrogate: Dibromofluoromethane             | 67.4   | Limit: 80-126 | % Rec | 1  | S-GC | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Surrogate: Dibromofluoromethane             | 91.4   | Limit: 80-126 | % Rec | 1  |      | 03/22/24 0000 | 03/22/24 1226 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 64.7   | Limit: 63-138 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 94.6   | Limit: 63-138 | % Rec | 1  |      | 03/22/24 0000 | 03/22/24 1226 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 64.7   | Limit: 63-138 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 87-116 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 87-116 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Surrogate: Toluene-d8                       | 97.0   | Limit: 87-116 | % Rec | 1  |      | 03/22/24 0000 | 03/22/24 1226 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.8   | Limit: 85-111 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 96.9   | Limit: 85-111 | % Rec | 1  |      | 03/22/24 0000 | 03/22/24 1226 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.8   | Limit: 85-111 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1542 | CSM     |

| Determination of General Solvents | Result | RL  | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-----------------------------------|--------|-----|-------|----|------|---------------|---------------|---------|
| <b>EPA 8015C</b>                  |        |     |       |    |      |               |               |         |
| Isobutanol                        | <1.0   | 1.0 | mg/L  | 1  |      | 03/26/24 1211 | 03/26/24 1532 | PDS     |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------|----|-------|----|------|---------------|---------------|---------|
| <b>EPA 3520C/EPA 8270C</b>                               |        |    |       |    |      |               |               |         |
| N-Nitrosodimethylamine                                   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Methyl Methanesulfonate                                  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| N-Nitrosodiethylamine                                    | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| N-Nitrosomethylethylamine                                | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Ethyl Methanesulfonate                                   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Phenol   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |



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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW96-21    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 7:40 |
| <b>Lab Sample ID:</b>    | 1HC1004-09 |                         |                 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------|----|-------|----|------|---------------|---------------|---------|
| Bis(2-Chloroethyl) Ether                                 | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2-Chlorophenol   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Benzyl Alcohol   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2-Methylphenol (o-Cresol)                                | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Bis[2-Chloroisopropyl]ether                              | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| n-Nitroso-di-n-propylamine                               | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| N-Nitrosopyrrolidine                                     | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Acetophenone   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| o-Toluidine  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| (3 & 4)-Methylphenol                                     | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Hexachloroethane   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Nitrobenzene   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| N-Nitrosopiperidine                                      | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Isophorone   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2-Nitrophenol  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2,4-Dimethylphenol                                       | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Bis (2-Chloroethoxy) Methane                             | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2,4-Dichlorophenol                                       | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Naphthalene  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 4-Chloroaniline  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2,6-Dichlorophenol                                       | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Hexachloropropene  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Hexachlorobutadiene                                      | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| N-Nitrosodi-n-butylamine                                 | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 1,4-Phenylenediamine                                     | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 4-Chloro-3-methylphenol                                  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2-Methylnaphthalene                                      | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Isosafrole   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 1,2,4,5-Tetrachlorobenzene                               | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Hexachlorocyclopentadiene                                | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2,4,6-Trichlorophenol                                    | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2,4,5-Trichlorophenol                                    | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Safrole  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2-Chloronaphthalene                                      | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2-Nitroaniline   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 1,4-Naphthoquinone                                       | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Dimethylphthalate  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 1,3-Dinitrobenzene                                       | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 1,2-Dinitrobenzene                                       | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2,6-Dinitrotoluene                                       | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Acenaphthylene   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 3-Nitroaniline   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Acenaphthene   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |

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1HC1004

|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW96-21    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 7:40 |
| <b>Lab Sample ID:</b>    | 1HC1004-09 |                         |                 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------|----|-------|----|------|---------------|---------------|---------|
| 2,4-Dinitrophenol  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 4-Nitrophenol  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Dibenzofuran   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2,4-Dinitrotoluene                                       | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2,3,4,6-Tetrachlorophenol                                | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Pentachlorobenzene                                       | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 1-Naphthylamine  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2-Naphthylamine  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Diethyl Phthalate  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Fluorene   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 4-Chlorophenyl Phenyl Ether                              | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 4-Nitroaniline   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 5-Nitro-o-toluidine                                      | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 4,6-Dinitro-2-methylphenol                               | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| N-Nitrosodiphenylamine                                   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Diphenylamine  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Azobenzene   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Diallate   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 1,3,5-Trinitrobenzene                                    | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Phenacetin   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 4-Bromophenyl Phenyl Ether                               | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 4-Aminobiphenyl  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Pentachlorophenol  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Pronamide  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Pentachloronitrobenzene (PCNB)                           | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Phenanthrene   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Anthracene   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Di-n-butyl Phthalate                                     | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Methapyrilene  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Fluoranthene   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Isodrin  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Chlorobenzilate  | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Pyrene   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| p-(Dimethylamino)azobenzene                              | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 3,3-Dimethylbenzidine                                    | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Butyl Benzyl Phthalate                                   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Benzo(a)anthracene                                       | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Chrysene   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Bis(2-Ethylhexyl) Phthalate                              | <6     | 6  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Kepone   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 3,3'-Dichlorobenzidine                                   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 2-Acetylamino fluorene                                   | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Di-n-octyl Phthalate                                     | <8     | 8  | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |



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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW96-21    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 7:40 |
| <b>Lab Sample ID:</b>    | 1HC1004-09 |                         |                 |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------|---------------|-------|----|------|---------------|---------------|---------|
| Benzo(b)Fluoranthene                                     | <8     | 8             | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 7,12-Dimethylbenz [a] anthracene                         | <8     | 8             | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Benzo(k)Fluoranthene                                     | <8     | 8             | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Benzo(a)Pyrene   | <8     | 8             | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| 3-Methylcholanthrene                                     | <8     | 8             | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Dibenzo(a,h)anthracene                                   | <8     | 8             | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Indeno(1,2,3-cd)Pyrene                                   | <8     | 8             | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Benzo(g,h,i)perylene                                     | <8     | 8             | ug/L  | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Surrogate: 2-Fluorophenol                                | 53.5   | Limit: 24-136 | % Rec | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Surrogate: Phenol-d6                                     | 52.4   | Limit: 15-140 | % Rec | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Surrogate: Nitrobenzene-d5                               | 51.8   | Limit: 29-130 | % Rec | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Surrogate: 2-Fluorobiphenyl                              | 48.5   | Limit: 23-113 | % Rec | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Surrogate: 2,4,6-Tribromophenol                          | 61.6   | Limit: 15-139 | % Rec | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |
| Surrogate: Terphenyl-dl4                                 | 58.0   | Limit: 27-141 | % Rec | 1  |      | 03/19/24 1409 | 03/27/24 1308 | EPP     |

| Determination of Organophosphorus Insecticides | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3510C/EPA 8141</b>                      |        |               |       |    |      |               |               |         |
| O,O,O-Triethyl phosphorothioate                | <0.4   | 0.4           | ug/L  | 1  |      | 03/19/24 1245 | 04/01/24 1320 | EPP     |
| Thionazin                                      | <0.4   | 0.4           | ug/L  | 1  |      | 03/19/24 1245 | 04/01/24 1320 | EPP     |
| Phorate  | <0.4   | 0.4           | ug/L  | 1  |      | 03/19/24 1245 | 04/01/24 1320 | EPP     |
| Dimethoate                                     | <0.4   | 0.4           | ug/L  | 1  |      | 03/19/24 1245 | 04/01/24 1320 | EPP     |
| Disulfoton                                     | <0.4   | 0.4           | ug/L  | 1  |      | 03/19/24 1245 | 04/01/24 1320 | EPP     |
| Methyl Parathion                               | <0.4   | 0.4           | ug/L  | 1  |      | 03/19/24 1245 | 04/01/24 1320 | EPP     |
| Parathion                                      | <0.4   | 0.4           | ug/L  | 1  |      | 03/19/24 1245 | 04/01/24 1320 | EPP     |
| Famphur  | <0.4   | 0.4           | ug/L  | 1  |      | 03/19/24 1245 | 04/01/24 1320 | EPP     |
| Surrogate: 2-Nitro-m-xylene                    | 83.0   | Limit: 38-122 | % Rec | 1  |      | 03/19/24 1245 | 04/01/24 1320 | EPP     |

| Determination of Chlorinated Phenoxy Herbicides | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 8151A</b>                                |        |               |       |    |      |               |               |         |
| 2,4-D   | <2.0   | 2.0           | ug/L  | 1  |      | 03/19/24 1110 | 03/26/24 0020 | EPP     |
| 2,4,5-TP (Silvex)                               | <0.5   | 0.5           | ug/L  | 1  |      | 03/19/24 1110 | 03/26/24 0020 | EPP     |
| 2,4,5-T   | <0.5   | 0.5           | ug/L  | 1  |      | 03/19/24 1110 | 03/26/24 0020 | EPP     |
| Dinoseb   | <0.5   | 0.5           | ug/L  | 1  |      | 03/19/24 1110 | 03/26/24 0020 | EPP     |
| Surrogate: 2,5-Dichlorobenzoic Acid             | 89.6   | Limit: 31-116 | % Rec | 1  |      | 03/19/24 1110 | 03/26/24 0020 | EPP     |

| Determination of Organochlorine Insecticides & Metabolites | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3510C/EPA 8081</b>                                  |        |      |       |    |      |               |               |         |
| Alpha-BHC  | <0.05  | 0.05 | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Gamma-BHC [Lindane]  | <0.05  | 0.05 | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Beta-BHC   | <0.05  | 0.05 | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Heptachlor   | <0.05  | 0.05 | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |



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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW96-21    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 7:40 |
| <b>Lab Sample ID:</b>    | 1HC1004-09 |                         |                 |

| Determination of Organochlorine Insecticides & Metabolites | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------|---------------|-------|----|------|---------------|---------------|---------|
| Delta-BHC  | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Aldrin   | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Heptachlor Epoxide   | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Endosulfan I   | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| 4,4`-DDE   | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Dieldrin   | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Endrin   | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| 4,4`-DDD   | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Endosulfan II  | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| 4,4`-DDT   | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Endrin Aldehyde  | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Endosulfan Sulfate   | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Methoxychlor   | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Chlordane  | <0.10  | 0.10          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Toxaphene  | <0.20  | 0.20          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Hexachlorobenzene  | <0.05  | 0.05          | ug/L  | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |
| Surrogate: Tetrachloro-m-xylene                            | 83.9   | Limit: 10-121 | % Rec | 1  |      | 03/19/24 1240 | 03/29/24 1542 | EPP     |

| Determination of Polychlorinated Biphenyls (PCB) | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3510C/EPA 8082</b>                        |        |               |       |    |      |               |               |         |
| Arochlor 1016                                    | <0.20  | 0.20          | ug/L  | 1  |      | 03/19/24 1242 | 03/29/24 1542 | EPP     |
| Arochlor 1221                                    | <0.20  | 0.20          | ug/L  | 1  |      | 03/19/24 1242 | 03/29/24 1542 | EPP     |
| Arochlor 1232                                    | <0.20  | 0.20          | ug/L  | 1  |      | 03/19/24 1242 | 03/29/24 1542 | EPP     |
| Arochlor 1242                                    | <0.20  | 0.20          | ug/L  | 1  |      | 03/19/24 1242 | 03/29/24 1542 | EPP     |
| Arochlor 1248                                    | <0.20  | 0.20          | ug/L  | 1  |      | 03/19/24 1242 | 03/29/24 1542 | EPP     |
| Arochlor 1254                                    | <0.20  | 0.20          | ug/L  | 1  |      | 03/19/24 1242 | 03/29/24 1542 | EPP     |
| Arochlor 1260                                    | <0.20  | 0.20          | ug/L  | 1  |      | 03/19/24 1242 | 03/29/24 1542 | EPP     |
| Surrogate: Tetrachloro-m-xylene                  | 91.1   | Limit: 38-121 | % Rec | 1  |      | 03/19/24 1242 | 03/29/24 1542 | EPP     |
| Surrogate: Decachlorobiphenyl                    | 31.8   | Limit: 25-119 | % Rec | 1  |      | 03/19/24 1242 | 03/29/24 1542 | EPP     |

| Determination of Conventional Chemistry Parameters | Result | RL    | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------|-------|-------|----|------|---------------|---------------|---------|
| <b>EPA 376.2</b>                                   |        |       |       |    |      |               |               |         |
| Sulfide, total                                     | <0.15  | 0.15  | mg/L  | 1  |      | 03/15/24 1329 | 03/15/24 1457 | CHP     |
| <b>EPA 9010B</b>                                   |        |       |       |    |      |               |               |         |
| Cyanide, total                                     | <0.005 | 0.005 | mg/L  | 1  |      | 03/25/24 1659 | 03/26/24 1600 | CHP     |





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1HC1004

|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW96-24    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 9:25 |
| <b>Lab Sample ID:</b>    | 1HC1004-10 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1609 | CSM     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW96-24    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 9:25 |
| <b>Lab Sample ID:</b>    | 1HC1004-10 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Surrogate: Dibromofluoromethane             | 67.1   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Surrogate: Dibromofluoromethane             | 67.1   | Limit: 75-136 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 64.1   | Limit: 63-138 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 64.1   | Limit: 61-142 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 82-121 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 87-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 86.3   | Limit: 85-111 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1609 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 86.3   | Limit: 80-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1609 | CSM     |

| Determination of Total Metals | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |              |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Arsenic, total                | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Barium, total                 | <b>0.541</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Beryllium, total              | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Cadmium, total                | <0.0008      | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Chromium, total               | <0.0080      | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Cobalt, total                 | <0.0004      | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Copper, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Lead, total                   | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Nickel, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Selenium, total               | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Silver, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Thallium, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Vanadium, total               | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |
| Zinc, total                   | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0842 | RVV     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW88-3     | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 10:29 |
| <b>Lab Sample ID:</b>    | 1HC1004-11 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1635 | CSM     |

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|                                  |  |
|----------------------------------|--|
| <b>Client Sample ID:</b> MW88-3  | <b>Collected By:</b> Whipple, Todd       |
| <b>Sample Matrix:</b> Water      | <b>Collection Date:</b> 03/12/2024 10:29 |
| <b>Lab Sample ID:</b> 1HC1004-11 |  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Surrogate: Dibromofluoromethane             | 70.4   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Surrogate: Dibromofluoromethane             | 70.4   | Limit: 75-136 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 67.3   | Limit: 61-142 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 67.3   | Limit: 63-138 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 87-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 82-121 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.4   | Limit: 80-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1635 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.4   | Limit: 85-111 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1635 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Barium, total                 | <b>0.134</b>  | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Copper, total                 | <b>0.0185</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0900 | RVV     |

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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW96-23    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 9:49 |
| <b>Lab Sample ID:</b>    | 1HC1004-12 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1701 | CSM     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                                  |   |
|----------------------------------|---|
| <b>Client Sample ID:</b> MW96-23 | <b>Collected By:</b> Whipple, Todd      |
| <b>Sample Matrix:</b> Water      | <b>Collection Date:</b> 03/12/2024 9:49 |
| <b>Lab Sample ID:</b> 1HC1004-12 |   |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Surrogate: Dibromofluoromethane             | 73.1   | Limit: 75-136 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Surrogate: Dibromofluoromethane             | 73.1   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 68.6   | Limit: 63-138 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 68.6   | Limit: 61-142 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Surrogate: Toluene-d8                       | 103    | Limit: 82-121 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Surrogate: Toluene-d8                       | 103    | Limit: 87-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.9   | Limit: 80-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1701 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.9   | Limit: 85-111 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1701 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Arsenic, total                | <b>0.0330</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Barium, total                 | <b>0.644</b>  | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0906 | RVV     |



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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW21-43    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 11:40 |
| <b>Lab Sample ID:</b>    | 1HC1004-13 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |

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1HC1004

|                                  |  |
|----------------------------------|--|
| <b>Client Sample ID:</b> MW21-43 | <b>Collected By:</b> Whipple, Todd       |
| <b>Sample Matrix:</b> Water      | <b>Collection Date:</b> 03/12/2024 11:40 |
| <b>Lab Sample ID:</b> 1HC1004-13 |  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Surrogate: Dibromofluoromethane             | 68.2   | Limit: 80-126 | % Rec | 1  | S-GC | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Surrogate: Dibromofluoromethane             | 68.2   | Limit: 75-136 | % Rec | 1  | S-GC | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 64.7   | Limit: 61-142 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 64.7   | Limit: 63-138 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 87-116 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 82-121 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.7   | Limit: 85-111 | % Rec | 1  | S-GC | 03/18/24 0000 | 03/18/24 1727 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.7   | Limit: 80-116 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1727 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Arsenic, total                | <b>0.0064</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Barium, total                 | <b>0.226</b>  | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Copper, total                 | <b>0.0040</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Nickel, total                 | <b>0.0064</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0913 | RVV     |

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1HC1004

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | GU-4       | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 10:55 |
| <b>Lab Sample ID:</b>    | 1HC1004-14 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1754 | CSM     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | GU-4       | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 10:55 |
| <b>Lab Sample ID:</b>    | 1HC1004-14 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Surrogate: Dibromofluoromethane             | 69.3   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Surrogate: Dibromofluoromethane             | 69.3   | Limit: 75-136 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 66.7   | Limit: 61-142 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 66.7   | Limit: 63-138 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 87-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 82-121 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.5   | Limit: 85-111 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1754 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.5   | Limit: 80-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1754 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Barium, total                 | <b>0.368</b>  | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |
| Zinc, total                   | <b>0.0707</b> | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0919 | RVV     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | SRAMP #2   | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 10:15 |
| <b>Lab Sample ID:</b>    | 1HC1004-15 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Dichlorodifluoromethane                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1820 | CSM     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | SRAMP #2   | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 10:15 |
| <b>Lab Sample ID:</b>    | 1HC1004-15 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| 1,2,3-Trichloropropane                      | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Surrogate: Dibromofluoromethane             | 69.6   | Limit: 75-136 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Surrogate: Dibromofluoromethane             | 69.6   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 67.1   | Limit: 61-142 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 67.1   | Limit: 63-138 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 87-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Surrogate: Toluene-d8                       | 105    | Limit: 82-121 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.1   | Limit: 80-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.1   | Limit: 85-111 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1820 | CSM     |



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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW98-25    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 13:05 |
| <b>Lab Sample ID:</b>    | 1HC1004-16 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Dichlorodifluoromethane                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Chloroethane                                | 1.4    | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Trichlorofluoromethane                      | 1.0    | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,1-Dichloroethane                          | 1.1    | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| cis-1,2-Dichloroethylene                    | 1.4    | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1846 | CSM     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW98-25    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 13:05 |
| <b>Lab Sample ID:</b>    | 1HC1004-16 |                         |                  |

| Determination of Volatile Organic Compounds | Result     | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|------------|---------------|-------|----|-------------|---------------|---------------|---------|
| 1,2,3-Trichloropropane                      | <1.0       | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| trans-1,4-Dichloro-2-butene                 | <5.0       | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0       | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,4-Dichlorobenzene                         | <b>1.6</b> | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0       | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0       | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Surrogate: Dibromofluoromethane             | 73.6       | Limit: 75-136 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Surrogate: Dibromofluoromethane             | 73.6       | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 69.6       | Limit: 61-142 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 69.6       | Limit: 63-138 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Surrogate: Toluene-d8                       | 105        | Limit: 87-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Surrogate: Toluene-d8                       | 105        | Limit: 82-121 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.3       | Limit: 80-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1846 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.3       | Limit: 85-111 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1846 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Arsenic, total                | <b>0.0167</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Barium, total                 | <b>0.110</b>  | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Cobalt, total                 | <b>0.0107</b> | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Nickel, total                 | <b>0.0236</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0925 | RVV     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW06-37    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 14:15 |
| <b>Lab Sample ID:</b>    | 1HC1004-17 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW06-37    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 14:15 |
| <b>Lab Sample ID:</b>    | 1HC1004-17 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Surrogate: Dibromofluoromethane             | 74.7   | Limit: 80-126 | % Rec | 1  | S-GC | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Surrogate: Dibromofluoromethane             | 74.7   | Limit: 75-136 | % Rec | 1  | S-GC | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 71.1   | Limit: 63-138 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 71.1   | Limit: 61-142 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 87-116 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Surrogate: Toluene-d8                       | 104    | Limit: 82-121 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.2   | Limit: 85-111 | % Rec | 1  | S-GC | 03/18/24 0000 | 03/18/24 1913 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 84.2   | Limit: 80-116 | % Rec | 1  |      | 03/18/24 0000 | 03/18/24 1913 | CSM     |

| Determination of Total Metals | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |              |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Arsenic, total                | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Barium, total                 | <b>0.128</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Beryllium, total              | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Cadmium, total                | <0.0008      | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Chromium, total               | <0.0080      | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Cobalt, total                 | <0.0004      | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Copper, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Lead, total                   | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Nickel, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Selenium, total               | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Silver, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Thallium, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Vanadium, total               | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |
| Zinc, total                   | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0931 | RVV     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW06-38    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 14:28 |
| <b>Lab Sample ID:</b>    | 1HC1004-18 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 1939 | CSM     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW06-38    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 14:28 |
| <b>Lab Sample ID:</b>    | 1HC1004-18 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Surrogate: Dibromofluoromethane             | 78.7   | Limit: 75-136 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Surrogate: Dibromofluoromethane             | 78.7   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 73.0   | Limit: 63-138 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 73.0   | Limit: 61-142 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Surrogate: Toluene-d8                       | 106    | Limit: 82-121 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Surrogate: Toluene-d8                       | 106    | Limit: 87-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.3   | Limit: 80-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 85.3   | Limit: 85-111 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 1939 | CSM     |

| Determination of Total Metals | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |              |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Arsenic, total                | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Barium, total                 | <b>0.196</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Beryllium, total              | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Cadmium, total                | <0.0008      | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Chromium, total               | <0.0080      | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Cobalt, total                 | <0.0004      | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Copper, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Lead, total                   | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Nickel, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Selenium, total               | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Silver, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Thallium, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Vanadium, total               | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |
| Zinc, total                   | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0937 | RVV     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW06-39    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 03/12/2024 14:42 |
| <b>Lab Sample ID:</b>    | 1HC1004-19 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 03/18/24 0000 | 03/18/24 2005 | CSM     |



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CERTIFICATE OF ANALYSIS

1HC1004

|                                  |  |
|----------------------------------|--|
| <b>Client Sample ID:</b> MW06-39 | <b>Collected By:</b> Whipple, Todd       |
| <b>Sample Matrix:</b> Water      | <b>Collection Date:</b> 03/12/2024 14:42 |
| <b>Lab Sample ID:</b> 1HC1004-19 |  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note        | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|-------------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Surrogate: Dibromofluoromethane             | 77.2   | Limit: 80-126 | % Rec | 1  | <b>S-GC</b> | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Surrogate: Dibromofluoromethane             | 77.2   | Limit: 75-136 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 72.6   | Limit: 61-142 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 72.6   | Limit: 63-138 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Surrogate: Toluene-d8                       | 106    | Limit: 87-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Surrogate: Toluene-d8                       | 106    | Limit: 82-121 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 86.4   | Limit: 85-111 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 86.4   | Limit: 80-116 | % Rec | 1  |             | 03/18/24 0000 | 03/18/24 2005 | CSM     |

| Determination of Total Metals | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |              |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Arsenic, total                | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Barium, total                 | <b>0.174</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Beryllium, total              | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Cadmium, total                | <0.0008      | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Chromium, total               | <0.0080      | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Cobalt, total                 | <0.0004      | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Copper, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Lead, total                   | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Nickel, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Selenium, total               | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Silver, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Thallium, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Vanadium, total               | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |
| Zinc, total                   | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0943 | RVV     |

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CERTIFICATE OF ANALYSIS

1HC1004

|                          |                 |                         |               |
|--------------------------|-----------------|-------------------------|---------------|
| <b>Client Sample ID:</b> | Field Duplicate | <b>Collected By:</b>    | Whipple, Todd |
| <b>Sample Matrix:</b>    | Water           | <b>Collection Date:</b> | 03/12/2024    |
| <b>Lab Sample ID:</b>    | 1HC1004-20      |                         |               |

| Determination of Total Metals | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |              |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Arsenic, total                | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Barium, total                 | <b>0.110</b> | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Beryllium, total              | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Cadmium, total                | <0.0008      | 0.0008 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Chromium, total               | <0.0080      | 0.0080 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Cobalt, total                 | <0.0004      | 0.0004 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Copper, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Lead, total                   | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Nickel, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Selenium, total               | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Silver, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Thallium, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Vanadium, total               | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |
| Zinc, total                   | <0.0200      | 0.0200 | mg/L  | 4  |      | 03/20/24 0948 | 03/22/24 0949 | RVV     |



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CERTIFICATE OF ANALYSIS

1HC1004

Batch Log Summary

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 376.2 | 1HC0886 | 1HC0886-MSD1  | 1HC0966-03         |
|           |         | 1HC0886-BLK1  |                    |
|           |         | 1HC1004-09    | MW96-21            |
|           |         | 1HC0886-MS1   | 1HC0966-03         |
|           |         | 1HC0886-BS1   |                    |
| Method    | Batch   | Laboratory ID | Client / Source ID |
| EPA 8260B | 1HC0910 | 1HC0910-BS1   |                    |
|           |         | 1HC0910-BSD1  |                    |
|           |         | 1HC0910-BLK1  |                    |
|           |         | 1HC1004-01    | MW91-8             |
|           |         | 1HC1004-02    | MW02-15A           |
|           |         | 1HC1004-03    | MW98-28            |
|           |         | 1HC1004-04    | MW02-30A           |
|           |         | 1HC1004-05    | MW88-2             |
|           |         | 1HC1004-06    | MW94-18            |
|           |         | 1HC0910-MS1   | 1HC1002-01         |
|           |         | 1HC0910-MSD1  | 1HC1002-01         |
| Method    | Batch   | Laboratory ID | Client / Source ID |
| EPA 8260B | 1HC0977 | 1HC0977-BS1   |                    |
|           |         | 1HC0977-BSD1  |                    |
|           |         | 1HC0977-BLK1  |                    |
|           |         | 1HC1004-07    | MW09-40            |
|           |         | 1HC1004-08    | MW91-10            |
|           |         | 1HC1004-09    | MW96-21            |
|           |         | 1HC1004-10    | MW96-24            |
|           |         | 1HC1004-11    | MW88-3             |
|           |         | 1HC1004-12    | MW96-23            |
|           |         | 1HC1004-13    | MW21-43            |
|           |         | 1HC1004-14    | GU-4               |
|           |         | 1HC1004-15    | SRAMP #2           |
|           |         | 1HC1004-16    | MW98-25            |
|           |         | 1HC1004-17    | MW06-37            |
|           |         | 1HC1004-18    | MW06-38            |
|           |         | 1HC1004-19    | MW06-39            |
|           |         | 1HC0977-MS1   | 1HC1004-08         |
|           |         | 1HC0977-MSD1  | 1HC1004-08         |
|           |         | Method        | Batch              |



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CERTIFICATE OF ANALYSIS

1HC1004

|           |         |              |         |
|-----------|---------|--------------|---------|
| EPA 8151A | 1HC1011 | 1HC1011-BLK1 |         |
|           |         | 1HC1004-09   | MW96-21 |
|           |         | 1HC1011-BS1  |         |
|           |         | 1HC1011-BSD1 |         |

| Method | Batch | Laboratory ID | Client / Source ID |
|--------|-------|---------------|--------------------|
|--------|-------|---------------|--------------------|

|          |         |              |         |
|----------|---------|--------------|---------|
| EPA 8081 | 1HC1017 | 1HC1017-BLK1 |         |
|          |         | 1HC1017-BS1  |         |
|          |         | 1HC1017-BSD1 |         |
|          |         | 1HC1004-09   | MW96-21 |

| Method | Batch | Laboratory ID | Client / Source ID |
|--------|-------|---------------|--------------------|
|--------|-------|---------------|--------------------|

|          |         |              |         |
|----------|---------|--------------|---------|
| EPA 8082 | 1HC1018 | 1HC1018-BLK1 |         |
|          |         | 1HC1018-BS1  |         |
|          |         | 1HC1018-BSD1 |         |
|          |         | 1HC1004-09   | MW96-21 |

| Method | Batch | Laboratory ID | Client / Source ID |
|--------|-------|---------------|--------------------|
|--------|-------|---------------|--------------------|

|          |         |              |         |
|----------|---------|--------------|---------|
| EPA 8141 | 1HC1019 | 1HC1019-BLK1 |         |
|          |         | 1HC1004-09   | MW96-21 |
|          |         | 1HC1019-BS1  |         |
|          |         | 1HC1019-BSD1 |         |

| Method | Batch | Laboratory ID | Client / Source ID |
|--------|-------|---------------|--------------------|
|--------|-------|---------------|--------------------|

|           |         |              |         |
|-----------|---------|--------------|---------|
| EPA 8270C | 1HC1026 | 1HC1026-BLK1 |         |
|           |         | 1HC1004-09   | MW96-21 |
|           |         | 1HC1026-BS1  |         |
|           |         | 1HC1026-BSD1 |         |

| Method | Batch | Laboratory ID | Client / Source ID |
|--------|-------|---------------|--------------------|
|--------|-------|---------------|--------------------|

|           |         |              |            |
|-----------|---------|--------------|------------|
| EPA 6020A | 1HC1095 | 1HC1095-BLK1 |            |
|           |         | 1HC1095-BS1  |            |
|           |         | 1HC1004-01   | MW91-8     |
|           |         | 1HC1095-MS1  | 1HC1004-01 |
|           |         | 1HC1095-MSD1 | 1HC1004-01 |
|           |         | 1HC1095-PS1  | 1HC1004-01 |
|           |         | 1HC1004-02   | MW02-15A   |
|           |         | 1HC1004-03   | MW98-28    |
|           |         | 1HC1004-04   | MW02-30A   |
|           |         | 1HC1004-05   | MW88-2     |
|           |         | 1HC1004-06   | MW94-18    |
|           |         | 1HC1004-07   | MW09-40    |
|           |         | 1HC1004-08   | MW91-10    |
|           |         | 1HC1004-10   | MW96-24    |



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CERTIFICATE OF ANALYSIS

1HC1004

|           |         |            |                 |
|-----------|---------|------------|-----------------|
| EPA 6020A | 1HC1095 | 1HC1004-11 | MW88-3          |
|           |         | 1HC1004-12 | MW96-23         |
|           |         | 1HC1004-13 | MW21-43         |
|           |         | 1HC1004-14 | GU-4            |
|           |         | 1HC1004-16 | MW98-25         |
|           |         | 1HC1004-17 | MW06-37         |
|           |         | 1HC1004-18 | MW06-38         |
|           |         | 1HC1004-19 | MW06-39         |
|           |         | 1HC1004-20 | Field Duplicate |

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 8260B | 1HC1308 | 1HC1308-BS1   |                    |
|           |         | 1HC1308-BSD1  |                    |
|           |         | 1HC1308-BLK1  |                    |
|           |         | 1HC1004-09    | MW96-21            |
|           |         | 1HC1308-MS1   | 1HC1004-09         |
|           |         | 1HC1308-MSD1  | 1HC1004-09         |

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 9010B | 1HC1377 | 1HC1377-MSD1  | 1HC1004-09         |
|           |         | 1HC1377-BLK1  |                    |
|           |         | 1HC1377-MS1   | 1HC1004-09         |
|           |         | 1HC1004-09    | MW96-21            |
|           |         | 1HC1377-BS1   |                    |

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 8015C | 1HC1422 | 1HC1422-BS1   |                    |
|           |         | 1HC1422-BLK1  |                    |
|           |         | 1HC1004-09    | MW96-21            |
|           |         | 1HC1422-MS1   | 1HC1004-09         |
|           |         | 1HC1422-MSD1  | 1HC1004-09         |

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 |
|--|--------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC0910 - EPA 5030B - EPA 8260B</b>                           |        |      |       |             |               |      |             |     |           |       |
| Blank (1HC0910-BLK1) Prepared: 03/15/24 00:00 Analyzed: 03/15/24 10:54 |        |      |       |             |               |      |             |     |           |       |
| 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  |             |               |      |             |     |           |       |





Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HC1004

| Determination of Volatile Organic Compounds       | Result | RL   | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC0910 - EPA 5030B - EPA 8260B</b>      |        |      |       |             |               |      |             |     |           |       |
| <b>Blank (1HC0910-BLK1)</b>                       |        |      |       |             |               |      |             |     |           |       |
| Prepared: 03/15/24 00:00 Analyzed: 03/15/24 10:54 |        |      |       |             |               |      |             |     |           |       |
| 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                   | 36.3   |      | ug/L  | 50.2        |               | 72.3 | 80-126      |     |           | S-GC  |
| Surrogate: Dibromofluoromethane                   | 36.3   |      | ug/L  | 50.2        |               | 72.3 | 75-136      |     |           | S-GC  |

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CERTIFICATE OF ANALYSIS

1HC1004

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HC0910 - EPA 5030B - EPA 8260B

Blank (1HC0910-BLK1)

Prepared: 03/15/24 00:00 Analyzed: 03/15/24 10:54

|                                  |      |  |      |      |  |      |        |  |  |  |
|----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 34.1 |  | ug/L | 50.1 |  | 68.1 | 63-138 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 34.1 |  | ug/L | 50.1 |  | 68.1 | 61-142 |  |  |  |
| Surrogate: Toluene-d8            | 52.9 |  | ug/L | 50.4 |  | 105  | 87-116 |  |  |  |
| Surrogate: Toluene-d8            | 52.9 |  | ug/L | 50.4 |  | 105  | 82-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 46.2 |  | ug/L | 50.1 |  | 92.1 | 85-111 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 46.2 |  | ug/L | 50.1 |  | 92.1 | 80-116 |  |  |  |

LCS (1HC0910-BS1)

Prepared: 03/15/24 00:00 Analyzed: 03/15/24 09:35

|                             |       |      |      |      |  |      |        |  |  |  |
|-----------------------------|-------|------|------|------|--|------|--------|--|--|--|
| Chloromethane               | 32.01 | 1.0  | ug/L | 30.6 |  | 104  | 63-155 |  |  |  |
| Vinyl Chloride              | 28.39 | 1.0  | ug/L | 30.2 |  | 93.9 | 70-154 |  |  |  |
| Bromomethane                | 28.10 | 1.0  | ug/L | 28.8 |  | 97.6 | 52-176 |  |  |  |
| Chloroethane                | 32.15 | 1.0  | ug/L | 31.6 |  | 102  | 72-148 |  |  |  |
| Trichlorofluoromethane      | 28.03 | 1.0  | ug/L | 32.6 |  | 86.0 | 70-152 |  |  |  |
| 1,1-Dichloroethylene        | 48.44 | 1.0  | ug/L | 50.0 |  | 96.9 | 70-148 |  |  |  |
| Acetone                     | 94.40 | 10.0 | ug/L | 102  |  | 92.5 | 43-172 |  |  |  |
| Methyl Iodide               | 105.2 | 1.0  | ug/L | 99.7 |  | 105  | 69-170 |  |  |  |
| Carbon Disulfide            | 93.92 | 1.0  | ug/L | 101  |  | 93.0 | 72-162 |  |  |  |
| Methylene Chloride          | 46.14 | 5.0  | ug/L | 50.0 |  | 92.3 | 68-142 |  |  |  |
| Acrylonitrile               | 78.93 | 5.0  | ug/L | 100  |  | 78.7 | 67-144 |  |  |  |
| trans-1,2-Dichloroethylene  | 48.22 | 1.0  | ug/L | 50.0 |  | 96.4 | 66-148 |  |  |  |
| 1,1-Dichloroethane          | 47.35 | 1.0  | ug/L | 50.0 |  | 94.7 | 66-143 |  |  |  |
| Vinyl Acetate               | 70.70 | 5.0  | ug/L | 102  |  | 69.4 | 43-153 |  |  |  |
| cis-1,2-Dichloroethylene    | 47.81 | 1.0  | ug/L | 49.5 |  | 96.6 | 71-149 |  |  |  |
| 2-Butanone (MEK)            | 90.57 | 10.0 | ug/L | 103  |  | 87.7 | 52-159 |  |  |  |
| Bromochloromethane          | 49.59 | 1.0  | ug/L | 50.0 |  | 99.2 | 69-143 |  |  |  |
| Chloroform                  | 47.50 | 1.0  | ug/L | 50.0 |  | 95.0 | 69-144 |  |  |  |
| 1,1,1-Trichloroethane       | 42.71 | 1.0  | ug/L | 50.0 |  | 85.5 | 62-129 |  |  |  |
| Carbon Tetrachloride        | 45.27 | 1.0  | ug/L | 50.0 |  | 90.5 | 63-141 |  |  |  |
| Benzene                     | 52.00 | 1.0  | ug/L | 50.0 |  | 104  | 71-134 |  |  |  |
| 1,2-Dichloroethane          | 48.94 | 1.0  | ug/L | 50.0 |  | 97.9 | 72-132 |  |  |  |
| Trichloroethylene           | 48.68 | 1.0  | ug/L | 50.0 |  | 97.4 | 71-135 |  |  |  |
| 1,2-Dichloropropane         | 50.09 | 1.0  | ug/L | 50.0 |  | 100  | 69-136 |  |  |  |
| Dibromomethane              | 51.57 | 1.0  | ug/L | 50.0 |  | 103  | 73-147 |  |  |  |
| Bromodichloromethane        | 47.84 | 1.0  | ug/L | 50.0 |  | 95.7 | 68-129 |  |  |  |
| cis-1,3-Dichloropropene     | 47.05 | 1.0  | ug/L | 50.3 |  | 93.5 | 65-134 |  |  |  |
| 4-Methyl-2-pentanone (MIBK) | 97.95 | 5.0  | ug/L | 101  |  | 96.6 | 58-147 |  |  |  |
| Toluene                     | 50.74 | 1.0  | ug/L | 50.0 |  | 101  | 72-133 |  |  |  |
| trans-1,3-Dichloropropene   | 46.33 | 1.0  | ug/L | 50.4 |  | 91.9 | 67-130 |  |  |  |
| 1,1,2-Trichloroethane       | 49.48 | 1.0  | ug/L | 50.0 |  | 99.0 | 69-135 |  |  |  |
| Tetrachloroethylene         | 49.12 | 1.0  | ug/L | 50.0 |  | 98.2 | 69-130 |  |  |  |
| 2-Hexanone (MBK)            | 100.3 | 5.0  | ug/L | 103  |  | 97.1 | 55-144 |  |  |  |
| Dibromochloromethane        | 50.12 | 1.0  | ug/L | 49.5 |  | 101  | 73-127 |  |  |  |
| 1,2-Dibromoethane           | 49.50 | 1.0  | ug/L | 50.0 |  | 99.0 | 67-132 |  |  |  |
| Chlorobenzene               | 51.56 | 1.0  | ug/L | 50.0 |  | 103  | 72-123 |  |  |  |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HC1004

| Determination of Volatile Organic Compounds  | Result | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|--|--------|------|-------|---|---------------|------|-------------|------|-----------|-------|
| <b>Batch 1HC0910 - EPA 5030B - EPA 8260B</b> |        |      |       |   |               |      |             |      |           |       |
| <b>LCS (1HC0910-BS1)</b>                     |        |      |       |   |               |      |             |      |           |       |
|  |        |      |       | Prepared: 03/15/24 00:00 Analyzed: 03/15/24 09:35 |               |      |             |      |           |       |
| 1,1,1,2-Tetrachloroethane                    | 51.90  | 1.0  | ug/L  | 50.0  |               | 104  | 73-127      |      |           |       |
| Ethylbenzene                                 | 48.39  | 1.0  | ug/L  | 50.0  |               | 96.8 | 71-127      |      |           |       |
| Xylenes, total                               | 148.5  | 2.0  | ug/L  | 150   |               | 99.0 | 74-127      |      |           |       |
| Styrene                                      | 49.66  | 1.0  | ug/L  | 50.0  |               | 99.3 | 66-126      |      |           |       |
| Bromoform                                    | 55.68  | 1.0  | ug/L  | 50.0  |               | 111  | 68-130      |      |           |       |
| 1,2,3-Trichloropropane                       | 51.26  | 1.0  | ug/L  | 50.0  |               | 103  | 63-136      |      |           |       |
| trans-1,4-Dichloro-2-butene                  | 93.01  | 5.0  | ug/L  | 104   |               | 89.5 | 54-134      |      |           |       |
| 1,1,1,2-Tetrachloroethane                    | 49.35  | 1.0  | ug/L  | 49.8  |               | 99.0 | 61-131      |      |           |       |
| 1,4-Dichlorobenzene                          | 48.48  | 1.0  | ug/L  | 50.0  |               | 97.0 | 70-129      |      |           |       |
| 1,2-Dichlorobenzene                          | 49.14  | 1.0  | ug/L  | 50.0  |               | 98.3 | 69-126      |      |           |       |
| 1,2-Dibromo-3-chloropropane                  | 50.39  | 5.0  | ug/L  | 50.0  |               | 101  | 50-143      |      |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 50.3   |      | ug/L  | 50.2  |               | 100  | 80-126      |      |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 50.3   |      | ug/L  | 50.2  |               | 100  | 75-136      |      |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 51.2   |      | ug/L  | 50.1  |               | 102  | 63-138      |      |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 51.2   |      | ug/L  | 50.1  |               | 102  | 61-142      |      |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 50.5   |      | ug/L  | 50.4  |               | 100  | 87-116      |      |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 50.5   |      | ug/L  | 50.4  |               | 100  | 82-121      |      |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 52.5   |      | ug/L  | 50.1  |               | 105  | 85-111      |      |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 52.5   |      | ug/L  | 50.1  |               | 105  | 80-116      |      |           |       |
| <b>LCS Dup (1HC0910-BSD1)</b>                |        |      |       |   |               |      |             |      |           |       |
|  |        |      |       | Prepared: 03/15/24 00:00 Analyzed: 03/15/24 10:02 |               |      |             |      |           |       |
| Chloromethane                                | 27.87  | 1.0  | ug/L  | 30.6  |               | 90.9 | 63-155      | 13.8 | 24        |       |
| Vinyl Chloride                               | 24.63  | 1.0  | ug/L  | 30.2  |               | 81.5 | 70-154      | 14.2 | 25        |       |
| Bromomethane                                 | 25.26  | 1.0  | ug/L  | 28.8  |               | 87.7 | 52-176      | 10.6 | 27        |       |
| Chloroethane                                 | 28.21  | 1.0  | ug/L  | 31.6  |               | 89.2 | 72-148      | 13.1 | 25        |       |
| Trichlorofluoromethane                       | 24.49  | 1.0  | ug/L  | 32.6  |               | 75.1 | 70-152      | 13.5 | 26        |       |
| 1,1-Dichloroethylene                         | 43.14  | 1.0  | ug/L  | 50.0  |               | 86.3 | 70-148      | 11.6 | 24        |       |
| Acetone                                      | 86.67  | 10.0 | ug/L  | 102   |               | 85.0 | 43-172      | 8.54 | 30        |       |
| Methyl Iodide                                | 92.63  | 1.0  | ug/L  | 99.7  |               | 92.9 | 69-170      | 12.7 | 30        |       |
| Carbon Disulfide                             | 81.88  | 1.0  | ug/L  | 101   |               | 81.1 | 72-162      | 13.7 | 24        |       |
| Methylene Chloride                           | 41.25  | 5.0  | ug/L  | 50.0  |               | 82.5 | 68-142      | 11.2 | 21        |       |
| Acrylonitrile                                | 73.54  | 5.0  | ug/L  | 100   |               | 73.3 | 67-144      | 7.07 | 24        |       |
| trans-1,2-Dichloroethylene                   | 42.98  | 1.0  | ug/L  | 50.0  |               | 86.0 | 66-148      | 11.5 | 27        |       |
| 1,1-Dichloroethane                           | 42.63  | 1.0  | ug/L  | 50.0  |               | 85.3 | 66-143      | 10.5 | 24        |       |
| Vinyl Acetate                                | 86.86  | 5.0  | ug/L  | 102   |               | 85.2 | 43-153      | 20.5 | 30        |       |
| cis-1,2-Dichloroethylene                     | 43.46  | 1.0  | ug/L  | 49.5  |               | 87.8 | 71-149      | 9.53 | 26        |       |
| 2-Butanone (MEK)                             | 81.63  | 10.0 | ug/L  | 103   |               | 79.0 | 52-159      | 10.4 | 27        |       |
| Bromochloromethane                           | 45.04  | 1.0  | ug/L  | 50.0  |               | 90.1 | 69-143      | 9.62 | 23        |       |
| Chloroform                                   | 43.08  | 1.0  | ug/L  | 50.0  |               | 86.2 | 69-144      | 9.76 | 23        |       |
| 1,1,1-Trichloroethane                        | 37.68  | 1.0  | ug/L  | 50.0  |               | 75.4 | 62-129      | 12.5 | 24        |       |
| Carbon Tetrachloride                         | 39.84  | 1.0  | ug/L  | 50.0  |               | 79.7 | 63-141      | 12.8 | 25        |       |
| Benzene                                      | 46.26  | 1.0  | ug/L  | 50.0  |               | 92.5 | 71-134      | 11.7 | 24        |       |
| 1,2-Dichloroethane                           | 45.46  | 1.0  | ug/L  | 50.0  |               | 90.9 | 72-132      | 7.37 | 24        |       |
| Trichloroethylene                            | 43.27  | 1.0  | ug/L  | 50.0  |               | 86.5 | 71-135      | 11.8 | 24        |       |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HC1004

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HC0910 - EPA 5030B - EPA 8260B

LCS Dup (1HC0910-BSD1)

Prepared: 03/15/24 00:00 Analyzed: 03/15/24 10:02

|                             |       |     |      |      |  |      |        |      |    |  |
|-----------------------------|-------|-----|------|------|--|------|--------|------|----|--|
| 1,2-Dichloropropane         | 45.56 | 1.0 | ug/L | 50.0 |  | 91.1 | 69-136 | 9.47 | 24 |  |
| Dibromomethane              | 47.28 | 1.0 | ug/L | 50.0 |  | 94.6 | 73-147 | 8.68 | 25 |  |
| Bromodichloromethane        | 43.18 | 1.0 | ug/L | 50.0 |  | 86.4 | 68-129 | 10.2 | 22 |  |
| cis-1,3-Dichloropropene     | 43.10 | 1.0 | ug/L | 50.3 |  | 85.6 | 65-134 | 8.76 | 23 |  |
| 4-Methyl-2-pentanone (MIBK) | 87.91 | 5.0 | ug/L | 101  |  | 86.7 | 58-147 | 10.8 | 27 |  |
| Toluene                     | 44.42 | 1.0 | ug/L | 50.0 |  | 88.8 | 72-133 | 13.3 | 24 |  |
| trans-1,3-Dichloropropene   | 42.20 | 1.0 | ug/L | 50.4 |  | 83.7 | 67-130 | 9.33 | 24 |  |
| 1,1,2-Trichloroethane       | 45.08 | 1.0 | ug/L | 50.0 |  | 90.2 | 69-135 | 9.31 | 23 |  |
| Tetrachloroethylene         | 43.11 | 1.0 | ug/L | 50.0 |  | 86.2 | 69-130 | 13.0 | 25 |  |
| 2-Hexanone (MBK)            | 90.38 | 5.0 | ug/L | 103  |  | 87.5 | 55-144 | 10.4 | 25 |  |
| Dibromochloromethane        | 45.64 | 1.0 | ug/L | 49.5 |  | 92.2 | 73-127 | 9.36 | 22 |  |
| 1,2-Dibromoethane           | 44.73 | 1.0 | ug/L | 50.0 |  | 89.5 | 67-132 | 10.1 | 24 |  |
| Chlorobenzene               | 46.06 | 1.0 | ug/L | 50.0 |  | 92.1 | 72-123 | 11.3 | 23 |  |
| 1,1,1,2-Tetrachloroethane   | 46.47 | 1.0 | ug/L | 50.0 |  | 92.9 | 73-127 | 11.0 | 24 |  |
| Ethylbenzene                | 42.66 | 1.0 | ug/L | 50.0 |  | 85.3 | 71-127 | 12.6 | 26 |  |
| Xylenes, total              | 131.0 | 2.0 | ug/L | 150  |  | 87.3 | 74-127 | 12.6 | 25 |  |
| Styrene                     | 43.98 | 1.0 | ug/L | 50.0 |  | 88.0 | 66-126 | 12.1 | 23 |  |
| Bromoform                   | 48.95 | 1.0 | ug/L | 50.0 |  | 97.9 | 68-130 | 12.9 | 23 |  |
| 1,2,3-Trichloropropane      | 46.24 | 1.0 | ug/L | 50.0 |  | 92.5 | 63-136 | 10.3 | 24 |  |
| trans-1,4-Dichloro-2-butene | 83.02 | 5.0 | ug/L | 104  |  | 79.9 | 54-134 | 11.4 | 27 |  |
| 1,1,2,2-Tetrachloroethane   | 44.34 | 1.0 | ug/L | 49.8 |  | 88.9 | 61-131 | 10.7 | 29 |  |
| 1,4-Dichlorobenzene         | 43.95 | 1.0 | ug/L | 50.0 |  | 87.9 | 70-129 | 9.80 | 24 |  |
| 1,2-Dichlorobenzene         | 44.48 | 1.0 | ug/L | 50.0 |  | 89.0 | 69-126 | 9.96 | 26 |  |
| 1,2-Dibromo-3-chloropropane | 44.13 | 5.0 | ug/L | 50.0 |  | 88.3 | 50-143 | 13.2 | 30 |  |

|                                  |      |  |      |      |  |      |        |  |  |  |
|----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane  | 50.3 |  | ug/L | 50.2 |  | 100  | 80-126 |  |  |  |
| Surrogate: Dibromofluoromethane  | 50.3 |  | ug/L | 50.2 |  | 100  | 75-136 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 51.3 |  | ug/L | 50.1 |  | 103  | 63-138 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 51.3 |  | ug/L | 50.1 |  | 103  | 61-142 |  |  |  |
| Surrogate: Toluene-d8            | 50.2 |  | ug/L | 50.4 |  | 99.6 | 87-116 |  |  |  |
| Surrogate: Toluene-d8            | 50.2 |  | ug/L | 50.4 |  | 99.6 | 82-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 51.8 |  | ug/L | 50.1 |  | 103  | 85-111 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 51.8 |  | ug/L | 50.1 |  | 103  | 80-116 |  |  |  |

Matrix Spike (1HC0910-MS1)

Source: 1HC1002-01

Prepared: 03/15/24 00:00 Analyzed: 03/15/24 21:45

|                        |       |      |      |      |    |      |        |  |  |  |
|------------------------|-------|------|------|------|----|------|--------|--|--|--|
| Chloromethane          | 304.7 | 10.0 | ug/L | 306  | ND | 99.4 | 61-152 |  |  |  |
| Vinyl Chloride         | 282.6 | 10.0 | ug/L | 302  | ND | 93.5 | 66-149 |  |  |  |
| Bromomethane           | 248.8 | 10.0 | ug/L | 288  | ND | 86.4 | 43-171 |  |  |  |
| Chloroethane           | 311.2 | 10.0 | ug/L | 316  | ND | 98.4 | 69-148 |  |  |  |
| Trichlorofluoromethane | 283.0 | 10.0 | ug/L | 326  | ND | 86.8 | 62-163 |  |  |  |
| 1,1-Dichloroethylene   | 466.9 | 10.0 | ug/L | 500  | ND | 93.4 | 70-148 |  |  |  |
| Acetone                | 905.6 | 100  | ug/L | 1020 | ND | 88.8 | 45-173 |  |  |  |
| Methyl Iodide          | 1009  | 10.0 | ug/L | 997  | ND | 101  | 62-167 |  |  |  |
| Carbon Disulfide       | 919.1 | 10.0 | ug/L | 1010 | ND | 91.0 | 71-163 |  |  |  |
| Methylene Chloride     | 419.8 | 50.0 | ug/L | 500  | ND | 84.0 | 69-140 |  |  |  |

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1HC1004

| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC0910 - EPA 5030B - EPA 8260B</b> |                           |      |       |   |               |      |             |     |           |       |
| <b>Matrix Spike (1HC0910-MS1)</b>            | <b>Source: 1HC1002-01</b> |      |       | Prepared: 03/15/24 00:00 Analyzed: 03/15/24 21:45 |               |      |             |     |           |       |
| Acrylonitrile                                | 715.4                     | 50.0 | ug/L  | 1000  | ND            | 71.3 | 58-151      |     |           |       |
| trans-1,2-Dichloroethylene                   | 464.2                     | 10.0 | ug/L  | 500   | ND            | 92.8 | 69-144      |     |           |       |
| 1,1-Dichloroethane                           | 451.1                     | 10.0 | ug/L  | 500   | ND            | 90.2 | 70-138      |     |           |       |
| Vinyl Acetate                                | 745.2                     | 50.0 | ug/L  | 1020  | ND            | 73.1 | 58-142      |     |           |       |
| cis-1,2-Dichloroethylene                     | 437.7                     | 10.0 | ug/L  | 495   | ND            | 88.5 | 68-151      |     |           |       |
| 2-Butanone (MEK)                             | 922.8                     | 100  | ug/L  | 1030  | ND            | 89.3 | 50-160      |     |           |       |
| Bromochloromethane                           | 441.9                     | 10.0 | ug/L  | 500   | ND            | 88.4 | 65-143      |     |           |       |
| Chloroform                                   | 452.1                     | 10.0 | ug/L  | 500   | ND            | 90.4 | 71-143      |     |           |       |
| 1,1,1-Trichloroethane                        | 422.7                     | 10.0 | ug/L  | 500   | ND            | 84.6 | 63-133      |     |           |       |
| Carbon Tetrachloride                         | 459.9                     | 10.0 | ug/L  | 500   | ND            | 92.0 | 63-142      |     |           |       |
| Benzene                                      | 500.9                     | 10.0 | ug/L  | 500   | ND            | 100  | 69-133      |     |           |       |
| 1,2-Dichloroethane                           | 461.0                     | 10.0 | ug/L  | 500   | ND            | 92.2 | 63-138      |     |           |       |
| Trichloroethylene                            | 475.3                     | 10.0 | ug/L  | 500   | ND            | 95.1 | 71-133      |     |           |       |
| 1,2-Dichloropropane                          | 469.5                     | 10.0 | ug/L  | 500   | ND            | 93.9 | 69-132      |     |           |       |
| Dibromomethane                               | 476.3                     | 10.0 | ug/L  | 500   | ND            | 95.3 | 70-147      |     |           |       |
| Bromodichloromethane                         | 447.0                     | 10.0 | ug/L  | 500   | ND            | 89.4 | 67-130      |     |           |       |
| cis-1,3-Dichloropropene                      | 415.6                     | 10.0 | ug/L  | 503   | ND            | 82.6 | 61-126      |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                  | 834.8                     | 50.0 | ug/L  | 1010  | ND            | 82.3 | 55-147      |     |           |       |
| Toluene                                      | 480.2                     | 10.0 | ug/L  | 500   | ND            | 96.0 | 71-133      |     |           |       |
| trans-1,3-Dichloropropene                    | 395.8                     | 10.0 | ug/L  | 504   | ND            | 78.5 | 63-124      |     |           |       |
| 1,1,2-Trichloroethane                        | 463.5                     | 10.0 | ug/L  | 500   | ND            | 92.7 | 69-133      |     |           |       |
| Tetrachloroethylene                          | 500.7                     | 10.0 | ug/L  | 500   | ND            | 100  | 70-124      |     |           |       |
| 2-Hexanone (MBK)                             | 861.7                     | 50.0 | ug/L  | 1030  | ND            | 83.4 | 53-141      |     |           |       |
| Dibromochloromethane                         | 466.9                     | 10.0 | ug/L  | 495   | ND            | 94.3 | 74-122      |     |           |       |
| 1,2-Dibromoethane                            | 453.3                     | 10.0 | ug/L  | 500   | ND            | 90.7 | 66-127      |     |           |       |
| Chlorobenzene                                | 486.5                     | 10.0 | ug/L  | 500   | ND            | 97.3 | 76-116      |     |           |       |
| 1,1,1,2-Tetrachloroethane                    | 499.0                     | 10.0 | ug/L  | 500   | ND            | 99.8 | 77-121      |     |           |       |
| Ethylbenzene                                 | 467.9                     | 10.0 | ug/L  | 500   | ND            | 93.6 | 73-124      |     |           |       |
| Xylenes, total                               | 1410                      | 20.0 | ug/L  | 1500  | ND            | 94.0 | 75-123      |     |           |       |
| Styrene                                      | 461.1                     | 10.0 | ug/L  | 500   | ND            | 92.2 | 70-120      |     |           |       |
| Bromoform                                    | 495.8                     | 10.0 | ug/L  | 500   | ND            | 99.2 | 70-124      |     |           |       |
| 1,2,3-Trichloropropane                       | 466.3                     | 10.0 | ug/L  | 500   | ND            | 93.3 | 62-135      |     |           |       |
| trans-1,4-Dichloro-2-butene                  | 764.7                     | 50.0 | ug/L  | 1040  | ND            | 73.6 | 50-120      |     |           |       |
| 1,1,2,2-Tetrachloroethane                    | 443.4                     | 10.0 | ug/L  | 498   | ND            | 88.9 | 63-126      |     |           |       |
| 1,4-Dichlorobenzene                          | 445.7                     | 10.0 | ug/L  | 500   | ND            | 89.1 | 72-119      |     |           |       |
| 1,2-Dichlorobenzene                          | 444.1                     | 10.0 | ug/L  | 500   | ND            | 88.8 | 71-117      |     |           |       |
| 1,2-Dibromo-3-chloropropane                  | 397.2                     | 50.0 | ug/L  | 500   | ND            | 79.4 | 49-134      |     |           |       |
| Surrogate: Dibromofluoromethane              | 502                       |      | ug/L  | 502   |               | 100  | 80-126      |     |           |       |
| Surrogate: Dibromofluoromethane              | 502                       |      | ug/L  | 502   |               | 100  | 75-136      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 514                       |      | ug/L  | 501   |               | 103  | 63-138      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 514                       |      | ug/L  | 501   |               | 103  | 61-142      |     |           |       |
| Surrogate: Toluene-d8                        | 506                       |      | ug/L  | 504   |               | 100  | 87-116      |     |           |       |
| Surrogate: Toluene-d8                        | 506                       |      | ug/L  | 504   |               | 100  | 82-121      |     |           |       |

Microbac Laboratories, Inc., Newton

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CERTIFICATE OF ANALYSIS

1HC1004

| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|--------|-----------|-------|
| <b>Batch 1HC0910 - EPA 5030B - EPA 8260B</b> |                           |      |       |   |               |      |             |        |           |       |
| <b>Matrix Spike (1HC0910-MS1)</b>            | <b>Source: 1HC1002-01</b> |      |       | Prepared: 03/15/24 00:00 Analyzed: 03/15/24 21:45 |               |      |             |        |           |       |
| Surrogate: 4-Bromofluorobenzene              | 509                       |      | ug/L  | 501   |               | 101  | 85-111      |        |           |       |
| Surrogate: 4-Bromofluorobenzene              | 509                       |      | ug/L  | 501   |               | 101  | 80-116      |        |           |       |
| <b>Matrix Spike Dup (1HC0910-MSD1)</b>       | <b>Source: 1HC1002-01</b> |      |       | Prepared: 03/15/24 00:00 Analyzed: 03/15/24 22:11 |               |      |             |        |           |       |
| Chloromethane                                | 288.9                     | 10.0 | ug/L  | 306   | ND            | 94.3 | 61-152      | 5.32   | 26        |       |
| Vinyl Chloride                               | 264.2                     | 10.0 | ug/L  | 302   | ND            | 87.4 | 66-149      | 6.73   | 23        |       |
| Bromomethane                                 | 253.1                     | 10.0 | ug/L  | 288   | ND            | 87.9 | 43-171      | 1.71   | 29        |       |
| Chloroethane                                 | 293.4                     | 10.0 | ug/L  | 316   | ND            | 92.7 | 69-148      | 5.89   | 25        |       |
| Trichlorofluoromethane                       | 271.8                     | 10.0 | ug/L  | 326   | ND            | 83.3 | 62-163      | 4.04   | 25        |       |
| 1,1-Dichloroethylene                         | 462.1                     | 10.0 | ug/L  | 500   | ND            | 92.4 | 70-148      | 1.03   | 22        |       |
| Acetone                                      | 923.5                     | 100  | ug/L  | 1020  | ND            | 90.5 | 45-173      | 1.96   | 30        |       |
| Methyl Iodide                                | 962.6                     | 10.0 | ug/L  | 997   | ND            | 96.6 | 62-167      | 4.75   | 24        |       |
| Carbon Disulfide                             | 875.8                     | 10.0 | ug/L  | 1010  | ND            | 86.7 | 71-163      | 4.82   | 22        |       |
| Methylene Chloride                           | 407.5                     | 50.0 | ug/L  | 500   | ND            | 81.5 | 69-140      | 2.97   | 19        |       |
| Acrylonitrile                                | 730.2                     | 50.0 | ug/L  | 1000  | ND            | 72.8 | 58-151      | 2.05   | 15        |       |
| trans-1,2-Dichloroethylene                   | 459.0                     | 10.0 | ug/L  | 500   | ND            | 91.8 | 69-144      | 1.13   | 22        |       |
| 1,1-Dichloroethane                           | 443.1                     | 10.0 | ug/L  | 500   | ND            | 88.6 | 70-138      | 1.79   | 20        |       |
| Vinyl Acetate                                | 819.5                     | 50.0 | ug/L  | 1020  | ND            | 80.4 | 58-142      | 9.50   | 24        |       |
| cis-1,2-Dichloroethylene                     | 437.8                     | 10.0 | ug/L  | 495   | ND            | 88.5 | 68-151      | 0.0228 | 22        |       |
| 2-Butanone (MEK)                             | 860.5                     | 100  | ug/L  | 1030  | ND            | 83.3 | 50-160      | 6.99   | 23        |       |
| Bromochloromethane                           | 440.8                     | 10.0 | ug/L  | 500   | ND            | 88.2 | 65-143      | 0.249  | 22        |       |
| Chloroform                                   | 447.0                     | 10.0 | ug/L  | 500   | ND            | 89.4 | 71-143      | 1.13   | 21        |       |
| 1,1,1-Trichloroethane                        | 412.8                     | 10.0 | ug/L  | 500   | ND            | 82.6 | 63-133      | 2.37   | 23        |       |
| Carbon Tetrachloride                         | 449.6                     | 10.0 | ug/L  | 500   | ND            | 89.9 | 63-142      | 2.26   | 22        |       |
| Benzene                                      | 488.5                     | 10.0 | ug/L  | 500   | ND            | 97.7 | 69-133      | 2.51   | 18        |       |
| 1,2-Dichloroethane                           | 453.6                     | 10.0 | ug/L  | 500   | ND            | 90.7 | 63-138      | 1.62   | 20        |       |
| Trichloroethylene                            | 466.1                     | 10.0 | ug/L  | 500   | ND            | 93.2 | 71-133      | 1.95   | 23        |       |
| 1,2-Dichloropropane                          | 463.9                     | 10.0 | ug/L  | 500   | ND            | 92.8 | 69-132      | 1.20   | 20        |       |
| Dibromomethane                               | 473.3                     | 10.0 | ug/L  | 500   | ND            | 94.7 | 70-147      | 0.632  | 22        |       |
| Bromodichloromethane                         | 440.9                     | 10.0 | ug/L  | 500   | ND            | 88.2 | 67-130      | 1.37   | 21        |       |
| cis-1,3-Dichloropropene                      | 419.8                     | 10.0 | ug/L  | 503   | ND            | 83.4 | 61-126      | 1.01   | 21        |       |
| 4-Methyl-2-pentanone (MIBK)                  | 864.9                     | 50.0 | ug/L  | 1010  | ND            | 85.3 | 55-147      | 3.54   | 23        |       |
| Toluene                                      | 461.1                     | 10.0 | ug/L  | 500   | ND            | 92.2 | 71-133      | 4.06   | 19        |       |
| trans-1,3-Dichloropropene                    | 403.4                     | 10.0 | ug/L  | 504   | ND            | 80.0 | 63-124      | 1.90   | 21        |       |
| 1,1,2-Trichloroethane                        | 451.5                     | 10.0 | ug/L  | 500   | ND            | 90.3 | 69-133      | 2.62   | 19        |       |
| Tetrachloroethylene                          | 487.8                     | 10.0 | ug/L  | 500   | ND            | 97.6 | 70-124      | 2.61   | 24        |       |
| 2-Hexanone (MBK)                             | 899.4                     | 50.0 | ug/L  | 1030  | ND            | 87.1 | 53-141      | 4.28   | 24        |       |
| Dibromochloromethane                         | 465.7                     | 10.0 | ug/L  | 495   | ND            | 94.1 | 74-122      | 0.257  | 21        |       |
| 1,2-Dibromoethane                            | 455.9                     | 10.0 | ug/L  | 500   | ND            | 91.2 | 66-127      | 0.572  | 23        |       |
| Chlorobenzene                                | 479.2                     | 10.0 | ug/L  | 500   | ND            | 95.8 | 76-116      | 1.51   | 21        |       |
| 1,1,1,2-Tetrachloroethane                    | 492.8                     | 10.0 | ug/L  | 500   | ND            | 98.6 | 77-121      | 1.25   | 25        |       |
| Ethylbenzene                                 | 457.9                     | 10.0 | ug/L  | 500   | ND            | 91.6 | 73-124      | 2.16   | 20        |       |
| Xylenes, total                               | 1380                      | 20.0 | ug/L  | 1500  | ND            | 92.0 | 75-123      | 2.14   | 20        |       |

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| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|--------|-----------|-------|
| <b>Batch 1HC0910 - EPA 5030B - EPA 8260B</b> |                           |      |       |   |               |      |             |        |           |       |
| <b>Matrix Spike Dup (1HC0910-MSD1)</b>       | <b>Source: 1HC1002-01</b> |      |       | Prepared: 03/15/24 00:00 Analyzed: 03/15/24 22:11 |               |      |             |        |           |       |
| Styrene                                      | 450.8                     | 10.0 | ug/L  | 500   | ND            | 90.2 | 70-120      | 2.26   | 23        |       |
| Bromoform                                    | 485.2                     | 10.0 | ug/L  | 500   | ND            | 97.0 | 70-124      | 2.16   | 22        |       |
| 1,2,3-Trichloropropane                       | 458.7                     | 10.0 | ug/L  | 500   | ND            | 91.7 | 62-135      | 1.64   | 28        |       |
| trans-1,4-Dichloro-2-butene                  | 765.1                     | 50.0 | ug/L  | 1040  | ND            | 73.6 | 50-120      | 0.0523 | 26        |       |
| 1,1,2,2-Tetrachloroethane                    | 450.1                     | 10.0 | ug/L  | 498   | ND            | 90.3 | 63-126      | 1.50   | 24        |       |
| 1,4-Dichlorobenzene                          | 441.5                     | 10.0 | ug/L  | 500   | ND            | 88.3 | 72-119      | 0.947  | 24        |       |
| 1,2-Dichlorobenzene                          | 444.0                     | 10.0 | ug/L  | 500   | ND            | 88.8 | 71-117      | 0.0225 | 24        |       |
| 1,2-Dibromo-3-chloropropane                  | 406.6                     | 50.0 | ug/L  | 500   | ND            | 81.3 | 49-134      | 2.34   | 28        |       |
| Surrogate: Dibromofluoromethane              | 502                       |      | ug/L  | 502   |               | 100  | 80-126      |        |           |       |
| Surrogate: Dibromofluoromethane              | 502                       |      | ug/L  | 502   |               | 100  | 75-136      |        |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 524                       |      | ug/L  | 501   |               | 105  | 63-138      |        |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 524                       |      | ug/L  | 501   |               | 105  | 61-142      |        |           |       |
| Surrogate: Toluene-d8                        | 496                       |      | ug/L  | 504   |               | 98.4 | 87-116      |        |           |       |
| Surrogate: Toluene-d8                        | 496                       |      | ug/L  | 504   |               | 98.4 | 82-121      |        |           |       |
| Surrogate: 4-Bromofluorobenzene              | 506                       |      | ug/L  | 501   |               | 101  | 85-111      |        |           |       |
| Surrogate: 4-Bromofluorobenzene              | 506                       |      | ug/L  | 501   |               | 101  | 80-116      |        |           |       |

**Batch 1HC0977 - EPA 5030B - EPA 8260B**

| Blank (1HC0977-BLK1)    | Prepared: 03/18/24 00:00 Analyzed: 03/18/24 11:08 |      |      |  |  |  |  |  |  |  |
|-------------------------|---|------|------|--|--|--|--|--|--|--|
| Dichlorodifluoromethane | <1.0  | 1.0  | ug/L |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |
| Methylene Chloride      | <5.0  | 5.0  | ug/L |  |  |  |  |  |  |  |

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| Determination of Volatile Organic Compounds       | Result | RL   | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b>      |        |      |       |             |               |      |             |     |           |       |
| <b>Blank (1HC0977-BLK1)</b>                       |        |      |       |             |               |      |             |     |           |       |
| Prepared: 03/18/24 00:00 Analyzed: 03/18/24 11:08 |        |      |       |             |               |      |             |     |           |       |
| 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  |             |               |      |             |     |           |       |
| Ethyl Methacrylate                                | <10.0  | 10.0 | ug/L  |             |               |      |             |     |           |       |

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| Determination of Volatile Organic Compounds  | Result | RL  | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b> |        |     |       |   |               |      |             |     |           |       |
| <b>Blank (1HC0977-BLK1)</b>                  |        |     |       |   |               |      |             |     |           |       |
|  |        |     |       | Prepared: 03/18/24 00:00 Analyzed: 03/18/24 11:08 |               |      |             |     |           |       |
| 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              | 33.4   |     | ug/L  | 50.2  |               | 66.6 | 80-126      |     |           | S-GC  |
| Surrogate: Dibromofluoromethane              | 33.4   |     | ug/L  | 50.2  |               | 66.6 | 80-126      |     |           | S-GC  |
| Surrogate: Dibromofluoromethane              | 33.4   |     | ug/L  | 50.2  |               | 66.6 | 75-136      |     |           | S-GC  |
| Surrogate: 1,2-Dichloroethane-d4             | 32.2   |     | ug/L  | 50.1  |               | 64.3 | 63-138      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 32.2   |     | ug/L  | 50.1  |               | 64.3 | 63-138      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 32.2   |     | ug/L  | 50.1  |               | 64.3 | 63-138      |     |           |       |

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1HC1004

| Determination of Volatile Organic Compounds       | Result | RL   | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b>      |        |      |       |             |               |      |             |     |           |       |
| <b>Blank (1HC0977-BLK1)</b>                       |        |      |       |             |               |      |             |     |           |       |
| Prepared: 03/18/24 00:00 Analyzed: 03/18/24 11:08 |        |      |       |             |               |      |             |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4                  | 32.2   |      | ug/L  | 50.1        |               | 64.3 | 61-142      |     |           |       |
| Surrogate: Toluene-d8                             | 51.6   |      | ug/L  | 50.4        |               | 102  | 87-116      |     |           |       |
| Surrogate: Toluene-d8                             | 51.6   |      | ug/L  | 50.4        |               | 102  | 87-116      |     |           |       |
| Surrogate: Toluene-d8                             | 51.6   |      | ug/L  | 50.4        |               | 102  | 87-116      |     |           |       |
| Surrogate: Toluene-d8                             | 51.6   |      | ug/L  | 50.4        |               | 102  | 82-121      |     |           |       |
| Surrogate: 4-Bromofluorobenzene                   | 44.7   |      | ug/L  | 50.1        |               | 89.1 | 85-111      |     |           |       |
| Surrogate: 4-Bromofluorobenzene                   | 44.7   |      | ug/L  | 50.1        |               | 89.1 | 85-111      |     |           |       |
| Surrogate: 4-Bromofluorobenzene                   | 44.7   |      | ug/L  | 50.1        |               | 89.1 | 85-111      |     |           |       |
| Surrogate: 4-Bromofluorobenzene                   | 44.7   |      | ug/L  | 50.1        |               | 89.1 | 80-116      |     |           |       |
| <b>LCS (1HC0977-BS1)</b>                          |        |      |       |             |               |      |             |     |           |       |
| Prepared: 03/18/24 00:00 Analyzed: 03/18/24 09:49 |        |      |       |             |               |      |             |     |           |       |
| Dichlorodifluoromethane                           | 21.60  | 1.0  | ug/L  | 30.0        |               | 71.9 | 44-139      |     |           |       |
| Dichlorodifluoromethane                           | 21.60  | 1.0  | ug/L  | 30.0        |               | 71.9 | 44-139      |     |           |       |
| Chloromethane                                     | 25.59  | 1.0  | ug/L  | 30.0        |               | 85.2 | 56-152      |     |           |       |
| Chloromethane                                     | 25.59  | 1.0  | ug/L  | 30.0        |               | 85.2 | 63-155      |     |           |       |
| Vinyl Chloride                                    | 25.71  | 1.0  | ug/L  | 30.0        |               | 85.6 | 62-151      |     |           |       |
| Vinyl Chloride                                    | 25.71  | 1.0  | ug/L  | 30.0        |               | 85.6 | 70-154      |     |           |       |
| Bromomethane                                      | 23.44  | 1.0  | ug/L  | 30.1        |               | 77.9 | 61-162      |     |           |       |
| Bromomethane                                      | 23.44  | 1.0  | ug/L  | 30.1        |               | 77.9 | 52-176      |     |           |       |
| Chloroethane                                      | 26.67  | 1.0  | ug/L  | 30.0        |               | 88.9 | 69-138      |     |           |       |
| Chloroethane                                      | 26.67  | 1.0  | ug/L  | 30.0        |               | 88.9 | 72-148      |     |           |       |
| Trichlorofluoromethane                            | 24.89  | 1.0  | ug/L  | 30.0        |               | 83.0 | 70-143      |     |           |       |
| Trichlorofluoromethane                            | 24.89  | 1.0  | ug/L  | 30.0        |               | 83.0 | 70-152      |     |           |       |
| Acrolein  | 42.95  | 10.0 | ug/L  | 50.5        |               | 85.0 | 27-144      |     |           |       |
| 1,1-Dichloroethylene                              | 45.04  | 1.0  | ug/L  | 50.1        |               | 89.8 | 76-140      |     |           |       |
| 1,1-Dichloroethylene                              | 45.04  | 1.0  | ug/L  | 50.1        |               | 89.8 | 70-148      |     |           |       |
| Acetone   | 85.66  | 10.0 | ug/L  | 100         |               | 85.6 | 51-156      |     |           |       |
| Acetone   | 85.66  | 10.0 | ug/L  | 100         |               | 85.6 | 43-172      |     |           |       |
| Methyl Iodide                                     | 95.51  | 2.0  | ug/L  | 100         |               | 95.3 | 81-166      |     |           |       |
| Methyl Iodide                                     | 95.51  | 1.0  | ug/L  | 100         |               | 95.3 | 69-170      |     |           |       |
| Carbon Disulfide                                  | 96.87  | 1.0  | ug/L  | 100         |               | 96.8 | 76-147      |     |           |       |
| Carbon Disulfide                                  | 96.87  | 1.0  | ug/L  | 100         |               | 96.8 | 72-162      |     |           |       |
| Acetonitrile                                      | 85.72  | 10.0 | ug/L  | 100         |               | 85.6 | 46-156      |     |           |       |
| Methylene Chloride                                | 44.08  | 5.0  | ug/L  | 50.2        |               | 87.8 | 67-139      |     |           |       |
| Methylene Chloride                                | 44.08  | 5.0  | ug/L  | 50.2        |               | 87.8 | 68-142      |     |           |       |
| Acrylonitrile                                     | 43.04  | 5.0  | ug/L  | 50.0        |               | 86.1 | 67-144      |     |           |       |
| Acrylonitrile                                     | 43.04  | 5.0  | ug/L  | 50.0        |               | 86.1 | 67-144      |     |           |       |
| trans-1,2-Dichloroethylene                        | 47.97  | 1.0  | ug/L  | 50.3        |               | 95.4 | 72-135      |     |           |       |
| trans-1,2-Dichloroethylene                        | 47.97  | 1.0  | ug/L  | 50.3        |               | 95.4 | 66-148      |     |           |       |
| 1,1-Dichloroethane                                | 47.24  | 1.0  | ug/L  | 50.2        |               | 94.0 | 72-129      |     |           |       |
| 1,1-Dichloroethane                                | 47.24  | 1.0  | ug/L  | 50.2        |               | 94.0 | 66-143      |     |           |       |
| Vinyl Acetate                                     | 134.1  | 5.0  | ug/L  | 162         |               | 83.0 | 24-144      |     |           |       |
| Vinyl Acetate                                     | 134.1  | 5.0  | ug/L  | 162         |               | 83.0 | 43-153      |     |           |       |
| 2,2-Dichloropropane                               | 48.32  | 1.0  | ug/L  | 50.2        |               | 96.2 | 64-131      |     |           |       |

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| Determination of Volatile Organic Compounds       | Result | RL   | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b>      |        |      |       |             |               |      |             |     |           |       |
| <b>LCS (1HC0977-BS1)</b>                          |        |      |       |             |               |      |             |     |           |       |
| Prepared: 03/18/24 00:00 Analyzed: 03/18/24 09:49 |        |      |       |             |               |      |             |     |           |       |
| cis-1,2-Dichloroethylene                          | 46.40  | 1.0  | ug/L  | 50.2        |               | 92.3 | 81-137      |     |           |       |
| cis-1,2-Dichloroethylene                          | 46.40  | 1.0  | ug/L  | 50.2        |               | 92.3 | 71-149      |     |           |       |
| 2-Butanone (MEK)                                  | 89.33  | 5.0  | ug/L  | 100         |               | 89.2 | 47-149      |     |           |       |
| 2-Butanone (MEK)                                  | 89.33  | 10.0 | ug/L  | 100         |               | 89.2 | 52-159      |     |           |       |
| Bromochloromethane                                | 44.28  | 1.0  | ug/L  | 50.3        |               | 88.1 | 75-138      |     |           |       |
| Bromochloromethane                                | 44.28  | 1.0  | ug/L  | 50.3        |               | 88.1 | 69-143      |     |           |       |
| Chloroform  | 46.55  | 1.0  | ug/L  | 50.2        |               | 92.8 | 78-131      |     |           |       |
| Chloroform  | 46.55  | 1.0  | ug/L  | 50.2        |               | 92.8 | 69-144      |     |           |       |
| 1,1,1-Trichloroethane                             | 48.45  | 1.0  | ug/L  | 50.3        |               | 96.3 | 67-121      |     |           |       |
| 1,1,1-Trichloroethane                             | 48.45  | 1.0  | ug/L  | 50.3        |               | 96.3 | 62-129      |     |           |       |
| 1,1-Dichloropropene                               | 48.87  | 1.0  | ug/L  | 50.3        |               | 97.2 | 80-131      |     |           |       |
| Carbon Tetrachloride                              | 48.56  | 1.0  | ug/L  | 50.2        |               | 96.7 | 71-131      |     |           |       |
| Carbon Tetrachloride                              | 48.56  | 1.0  | ug/L  | 50.2        |               | 96.7 | 63-141      |     |           |       |
| Benzene   | 53.40  | 1.0  | ug/L  | 50.2        |               | 106  | 77-130      |     |           |       |
| Benzene   | 53.40  | 1.0  | ug/L  | 50.2        |               | 106  | 71-134      |     |           |       |
| 1,2-Dichloroethane                                | 48.27  | 1.0  | ug/L  | 50.2        |               | 96.2 | 76-126      |     |           |       |
| 1,2-Dichloroethane                                | 48.27  | 1.0  | ug/L  | 50.2        |               | 96.2 | 72-132      |     |           |       |
| Trichloroethylene                                 | 52.28  | 1.0  | ug/L  | 50.3        |               | 104  | 80-124      |     |           |       |
| Trichloroethylene                                 | 52.28  | 1.0  | ug/L  | 50.3        |               | 104  | 71-135      |     |           |       |
| 1,2-Dichloropropane                               | 50.62  | 1.0  | ug/L  | 50.2        |               | 101  | 81-125      |     |           |       |
| 1,2-Dichloropropane                               | 50.62  | 1.0  | ug/L  | 50.2        |               | 101  | 69-136      |     |           |       |
| Dibromomethane                                    | 46.80  | 1.0  | ug/L  | 50.3        |               | 93.1 | 84-134      |     |           |       |
| Dibromomethane                                    | 46.80  | 1.0  | ug/L  | 50.3        |               | 93.1 | 73-147      |     |           |       |
| Bromodichloromethane                              | 49.77  | 1.0  | ug/L  | 50.3        |               | 99.0 | 78-121      |     |           |       |
| Bromodichloromethane                              | 49.77  | 1.0  | ug/L  | 50.3        |               | 99.0 | 68-129      |     |           |       |
| cis-1,3-Dichloropropene                           | 48.37  | 1.0  | ug/L  | 50.2        |               | 96.3 | 78-120      |     |           |       |
| cis-1,3-Dichloropropene                           | 48.37  | 1.0  | ug/L  | 50.2        |               | 96.3 | 65-134      |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                       | 89.96  | 5.0  | ug/L  | 100         |               | 89.8 | 67-143      |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                       | 89.96  | 5.0  | ug/L  | 100         |               | 89.8 | 58-147      |     |           |       |
| Toluene   | 52.43  | 1.0  | ug/L  | 50.4        |               | 104  | 77-130      |     |           |       |
| Toluene   | 52.43  | 1.0  | ug/L  | 50.4        |               | 104  | 72-133      |     |           |       |
| trans-1,3-Dichloropropene                         | 46.98  | 1.0  | ug/L  | 50.3        |               | 93.5 | 77-123      |     |           |       |
| trans-1,3-Dichloropropene                         | 46.98  | 1.0  | ug/L  | 50.3        |               | 93.5 | 67-130      |     |           |       |
| Ethyl Methacrylate                                | 90.85  | 10.0 | ug/L  | 100         |               | 90.8 | 52-148      |     |           |       |
| 1,1,2-Trichloroethane                             | 47.99  | 1.0  | ug/L  | 50.2        |               | 95.6 | 78-124      |     |           |       |
| 1,1,2-Trichloroethane                             | 47.99  | 1.0  | ug/L  | 50.2        |               | 95.6 | 69-135      |     |           |       |
| Tetrachloroethylene                               | 55.71  | 1.0  | ug/L  | 50.2        |               | 111  | 73-124      |     |           |       |
| Tetrachloroethylene                               | 55.71  | 1.0  | ug/L  | 50.2        |               | 111  | 69-130      |     |           |       |
| 1,3-Dichloropropane                               | 50.12  | 1.0  | ug/L  | 50.2        |               | 99.9 | 78-131      |     |           |       |
| 2-Hexanone (MBK)                                  | 93.27  | 5.0  | ug/L  | 100         |               | 93.2 | 57-145      |     |           |       |
| 2-Hexanone (MBK)                                  | 93.27  | 5.0  | ug/L  | 100         |               | 93.2 | 55-144      |     |           |       |
| Dibromochloromethane                              | 49.86  | 1.0  | ug/L  | 50.3        |               | 99.1 | 78-126      |     |           |       |
| Dibromochloromethane                              | 49.86  | 1.0  | ug/L  | 50.3        |               | 99.1 | 73-127      |     |           |       |

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1HC1004

| Determination of Volatile Organic Compounds  | Result | RL  | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b> |        |     |       |   |               |      |             |     |           |       |
| <b>LCS (1HC0977-BS1)</b>                     |        |     |       |   |               |      |             |     |           |       |
|  |        |     |       | Prepared: 03/18/24 00:00 Analyzed: 03/18/24 09:49 |               |      |             |     |           |       |
| 1,2-Dibromoethane                            | 48.59  | 1.0 | ug/L  | 50.4  |               | 96.4 | 69-126      |     |           |       |
| 1,2-Dibromoethane                            | 48.59  | 1.0 | ug/L  | 50.4  |               | 96.4 | 67-132      |     |           |       |
| Chlorobenzene                                | 54.76  | 1.0 | ug/L  | 50.2  |               | 109  | 76-120      |     |           |       |
| Chlorobenzene                                | 54.76  | 1.0 | ug/L  | 50.2  |               | 109  | 72-123      |     |           |       |
| 1,1,1,2-Tetrachloroethane                    | 53.02  | 1.0 | ug/L  | 50.2  |               | 106  | 81-122      |     |           |       |
| 1,1,1,2-Tetrachloroethane                    | 53.02  | 1.0 | ug/L  | 50.2  |               | 106  | 73-127      |     |           |       |
| Ethylbenzene                                 | 53.25  | 1.0 | ug/L  | 50.3  |               | 106  | 74-121      |     |           |       |
| Ethylbenzene                                 | 53.25  | 1.0 | ug/L  | 50.3  |               | 106  | 71-127      |     |           |       |
| Xylenes, total                               | 159.4  | 2.0 | ug/L  | 151   |               | 106  | 75-122      |     |           |       |
| Xylenes, total                               | 159.4  | 2.0 | ug/L  | 151   |               | 106  | 74-127      |     |           |       |
| Styrene                                      | 52.34  | 1.0 | ug/L  | 50.3  |               | 104  | 76-119      |     |           |       |
| Styrene                                      | 52.34  | 1.0 | ug/L  | 50.3  |               | 104  | 66-126      |     |           |       |
| Bromoform                                    | 53.08  | 1.0 | ug/L  | 50.2  |               | 106  | 74-127      |     |           |       |
| Bromoform                                    | 53.08  | 1.0 | ug/L  | 50.2  |               | 106  | 68-130      |     |           |       |
| 1,2,3-Trichloropropane                       | 49.92  | 1.0 | ug/L  | 50.2  |               | 99.4 | 73-125      |     |           |       |
| 1,2,3-Trichloropropane                       | 49.92  | 1.0 | ug/L  | 50.2  |               | 99.4 | 63-136      |     |           |       |
| trans-1,4-Dichloro-2-butene                  | 93.78  | 5.0 | ug/L  | 100   |               | 93.5 | 55-135      |     |           |       |
| trans-1,4-Dichloro-2-butene                  | 93.78  | 5.0 | ug/L  | 100   |               | 93.5 | 54-134      |     |           |       |
| 1,1,2,2-Tetrachloroethane                    | 49.64  | 1.0 | ug/L  | 50.2  |               | 98.9 | 58-133      |     |           |       |
| 1,1,2,2-Tetrachloroethane                    | 49.64  | 1.0 | ug/L  | 50.2  |               | 98.9 | 61-131      |     |           |       |
| 1,3-Dichlorobenzene                          | 52.05  | 1.0 | ug/L  | 50.3  |               | 103  | 70-125      |     |           |       |
| 1,4-Dichlorobenzene                          | 49.90  | 1.0 | ug/L  | 50.2  |               | 99.5 | 69-128      |     |           |       |
| 1,4-Dichlorobenzene                          | 49.90  | 1.0 | ug/L  | 50.2  |               | 99.5 | 70-129      |     |           |       |
| 1,2-Dichlorobenzene                          | 51.38  | 1.0 | ug/L  | 50.2  |               | 102  | 70-125      |     |           |       |
| 1,2-Dichlorobenzene                          | 51.38  | 1.0 | ug/L  | 50.2  |               | 102  | 69-126      |     |           |       |
| 1,2-Dibromo-3-chloropropane                  | 46.44  | 1.0 | ug/L  | 50.4  |               | 92.1 | 54-147      |     |           |       |
| 1,2-Dibromo-3-chloropropane                  | 46.44  | 5.0 | ug/L  | 50.4  |               | 92.1 | 50-143      |     |           |       |
| 1,2,4-Trichlorobenzene                       | 52.70  | 1.0 | ug/L  | 50.2  |               | 105  | 55-149      |     |           |       |
| Surrogate: Dibromofluoromethane              | 47.8   |     | ug/L  | 50.2  |               | 95.3 | 80-126      |     |           |       |
| Surrogate: Dibromofluoromethane              | 47.8   |     | ug/L  | 50.2  |               | 95.3 | 80-126      |     |           |       |
| Surrogate: Dibromofluoromethane              | 47.8   |     | ug/L  | 50.2  |               | 95.3 | 75-136      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 48.2   |     | ug/L  | 50.1  |               | 96.2 | 63-138      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 48.2   |     | ug/L  | 50.1  |               | 96.2 | 63-138      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 48.2   |     | ug/L  | 50.1  |               | 96.2 | 63-138      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 48.2   |     | ug/L  | 50.1  |               | 96.2 | 61-142      |     |           |       |
| Surrogate: Toluene-d8                        | 49.9   |     | ug/L  | 50.4  |               | 99.0 | 87-116      |     |           |       |
| Surrogate: Toluene-d8                        | 49.9   |     | ug/L  | 50.4  |               | 99.0 | 87-116      |     |           |       |
| Surrogate: Toluene-d8                        | 49.9   |     | ug/L  | 50.4  |               | 99.0 | 87-116      |     |           |       |
| Surrogate: Toluene-d8                        | 49.9   |     | ug/L  | 50.4  |               | 99.0 | 82-121      |     |           |       |
| Surrogate: 4-Bromofluorobenzene              | 51.0   |     | ug/L  | 50.1  |               | 102  | 85-111      |     |           |       |
| Surrogate: 4-Bromofluorobenzene              | 51.0   |     | ug/L  | 50.1  |               | 102  | 85-111      |     |           |       |
| Surrogate: 4-Bromofluorobenzene              | 51.0   |     | ug/L  | 50.1  |               | 102  | 85-111      |     |           |       |
| Surrogate: 4-Bromofluorobenzene              | 51.0   |     | ug/L  | 50.1  |               | 102  | 80-116      |     |           |       |

LCS Dup (1HC0977-BS1)

Prepared: 03/18/24 00:00 Analyzed: 03/18/24 10:15



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CERTIFICATE OF ANALYSIS

1HC1004

| Determination of Volatile Organic Compounds  | Result | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|--------|------|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b> |        |      |       |   |               |      |             |       |           |       |
| <b>LCS Dup (1HC0977-BSD1)</b>                |        |      |       |   |               |      |             |       |           |       |
|  |        |      |       | Prepared: 03/18/24 00:00 Analyzed: 03/18/24 10:15 |               |      |             |       |           |       |
| Dichlorodifluoromethane                      | 20.71  | 1.0  | ug/L  | 30.0  |               | 69.0 | 44-139      | 4.21  | 30        |       |
| Dichlorodifluoromethane                      | 20.71  | 1.0  | ug/L  | 30.0  |               | 69.0 | 44-139      | 4.21  | 30        |       |
| Chloromethane                                | 24.16  | 1.0  | ug/L  | 30.0  |               | 80.5 | 56-152      | 5.75  | 30        |       |
| Chloromethane                                | 24.16  | 1.0  | ug/L  | 30.0  |               | 80.5 | 63-155      | 5.75  | 24        |       |
| Vinyl Chloride                               | 24.17  | 1.0  | ug/L  | 30.0  |               | 80.5 | 62-151      | 6.17  | 28        |       |
| Vinyl Chloride                               | 24.17  | 1.0  | ug/L  | 30.0  |               | 80.5 | 70-154      | 6.17  | 25        |       |
| Bromomethane                                 | 22.59  | 1.0  | ug/L  | 30.1  |               | 75.1 | 61-162      | 3.69  | 28        |       |
| Bromomethane                                 | 22.59  | 1.0  | ug/L  | 30.1  |               | 75.1 | 52-176      | 3.69  | 27        |       |
| Chloroethane                                 | 25.51  | 1.0  | ug/L  | 30.0  |               | 85.0 | 69-138      | 4.45  | 29        |       |
| Chloroethane                                 | 25.51  | 1.0  | ug/L  | 30.0  |               | 85.0 | 72-148      | 4.45  | 25        |       |
| Trichlorofluoromethane                       | 24.00  | 1.0  | ug/L  | 30.0  |               | 80.0 | 70-143      | 3.64  | 27        |       |
| Trichlorofluoromethane                       | 24.00  | 1.0  | ug/L  | 30.0  |               | 80.0 | 70-152      | 3.64  | 26        |       |
| Acrolein                                     | 44.60  | 10.0 | ug/L  | 50.5  |               | 88.3 | 27-144      | 3.77  | 30        |       |
| 1,1-Dichloroethylene                         | 43.42  | 1.0  | ug/L  | 50.1  |               | 86.6 | 76-140      | 3.66  | 30        |       |
| 1,1-Dichloroethylene                         | 43.42  | 1.0  | ug/L  | 50.1  |               | 86.6 | 70-148      | 3.66  | 24        |       |
| Acetone                                      | 87.51  | 10.0 | ug/L  | 100   |               | 87.4 | 51-156      | 2.14  | 30        |       |
| Acetone                                      | 87.51  | 10.0 | ug/L  | 100   |               | 87.4 | 43-172      | 2.14  | 30        |       |
| Methyl Iodide                                | 90.94  | 2.0  | ug/L  | 100   |               | 90.8 | 81-166      | 4.90  | 29        |       |
| Methyl Iodide                                | 90.94  | 1.0  | ug/L  | 100   |               | 90.8 | 69-170      | 4.90  | 30        |       |
| Carbon Disulfide                             | 91.00  | 1.0  | ug/L  | 100   |               | 90.9 | 76-147      | 6.25  | 27        |       |
| Carbon Disulfide                             | 91.00  | 1.0  | ug/L  | 100   |               | 90.9 | 72-162      | 6.25  | 24        |       |
| Acetonitrile                                 | 82.43  | 10.0 | ug/L  | 100   |               | 82.3 | 46-156      | 3.91  | 30        |       |
| Methylene Chloride                           | 42.70  | 5.0  | ug/L  | 50.2  |               | 85.1 | 67-139      | 3.18  | 26        |       |
| Methylene Chloride                           | 42.70  | 5.0  | ug/L  | 50.2  |               | 85.1 | 68-142      | 3.18  | 21        |       |
| Acrylonitrile                                | 43.04  | 5.0  | ug/L  | 50.0  |               | 86.1 | 67-144      | 0.00  | 24        |       |
| Acrylonitrile                                | 43.04  | 5.0  | ug/L  | 50.0  |               | 86.1 | 67-144      | 0.00  | 24        |       |
| trans-1,2-Dichloroethylene                   | 46.53  | 1.0  | ug/L  | 50.3  |               | 92.5 | 72-135      | 3.05  | 28        |       |
| trans-1,2-Dichloroethylene                   | 46.53  | 1.0  | ug/L  | 50.3  |               | 92.5 | 66-148      | 3.05  | 27        |       |
| 1,1-Dichloroethane                           | 45.90  | 1.0  | ug/L  | 50.2  |               | 91.3 | 72-129      | 2.88  | 26        |       |
| 1,1-Dichloroethane                           | 45.90  | 1.0  | ug/L  | 50.2  |               | 91.3 | 66-143      | 2.88  | 24        |       |
| Vinyl Acetate                                | 131.7  | 5.0  | ug/L  | 162   |               | 81.5 | 24-144      | 1.83  | 30        |       |
| Vinyl Acetate                                | 131.7  | 5.0  | ug/L  | 162   |               | 81.5 | 43-153      | 1.83  | 30        |       |
| 2,2-Dichloropropane                          | 46.15  | 1.0  | ug/L  | 50.2  |               | 91.8 | 64-131      | 4.59  | 26        |       |
| cis-1,2-Dichloroethylene                     | 45.38  | 1.0  | ug/L  | 50.2  |               | 90.3 | 81-137      | 2.22  | 27        |       |
| cis-1,2-Dichloroethylene                     | 45.38  | 1.0  | ug/L  | 50.2  |               | 90.3 | 71-149      | 2.22  | 26        |       |
| 2-Butanone (MEK)                             | 94.25  | 5.0  | ug/L  | 100   |               | 94.1 | 47-149      | 5.36  | 30        |       |
| 2-Butanone (MEK)                             | 94.25  | 10.0 | ug/L  | 100   |               | 94.1 | 52-159      | 5.36  | 27        |       |
| Bromochloromethane                           | 43.87  | 1.0  | ug/L  | 50.3  |               | 87.3 | 75-138      | 0.930 | 24        |       |
| Bromochloromethane                           | 43.87  | 1.0  | ug/L  | 50.3  |               | 87.3 | 69-143      | 0.930 | 23        |       |
| Chloroform                                   | 45.32  | 1.0  | ug/L  | 50.2  |               | 90.3 | 78-131      | 2.68  | 27        |       |
| Chloroform                                   | 45.32  | 1.0  | ug/L  | 50.2  |               | 90.3 | 69-144      | 2.68  | 23        |       |
| 1,1,1-Trichloroethane                        | 46.19  | 1.0  | ug/L  | 50.3  |               | 91.8 | 67-121      | 4.78  | 28        |       |
| 1,1,1-Trichloroethane                        | 46.19  | 1.0  | ug/L  | 50.3  |               | 91.8 | 62-129      | 4.78  | 24        |       |

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1HC1004

| Determination of Volatile Organic Compounds  | Result | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|--|--------|------|-------|---|---------------|------|-------------|--------|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b> |        |      |       |   |               |      |             |        |           |       |
| <b>LCS Dup (1HC0977-BSD1)</b>                |        |      |       |   |               |      |             |        |           |       |
|  |        |      |       | Prepared: 03/18/24 00:00 Analyzed: 03/18/24 10:15 |               |      |             |        |           |       |
| 1,1-Dichloropropene                          | 46.77  | 1.0  | ug/L  | 50.3  |               | 93.0 | 80-131      | 4.39   | 30        |       |
| Carbon Tetrachloride                         | 46.66  | 1.0  | ug/L  | 50.2  |               | 92.9 | 71-131      | 3.99   | 28        |       |
| Carbon Tetrachloride                         | 46.66  | 1.0  | ug/L  | 50.2  |               | 92.9 | 63-141      | 3.99   | 25        |       |
| Benzene                                      | 51.56  | 1.0  | ug/L  | 50.2  |               | 103  | 77-130      | 3.51   | 25        |       |
| Benzene                                      | 51.56  | 1.0  | ug/L  | 50.2  |               | 103  | 71-134      | 3.51   | 24        |       |
| 1,2-Dichloroethane                           | 48.24  | 1.0  | ug/L  | 50.2  |               | 96.1 | 76-126      | 0.0622 | 24        |       |
| 1,2-Dichloroethane                           | 48.24  | 1.0  | ug/L  | 50.2  |               | 96.1 | 72-132      | 0.0622 | 24        |       |
| Trichloroethylene                            | 50.49  | 1.0  | ug/L  | 50.3  |               | 100  | 80-124      | 3.48   | 27        |       |
| Trichloroethylene                            | 50.49  | 1.0  | ug/L  | 50.3  |               | 100  | 71-135      | 3.48   | 24        |       |
| 1,2-Dichloropropane                          | 49.54  | 1.0  | ug/L  | 50.2  |               | 98.6 | 81-125      | 2.16   | 25        |       |
| 1,2-Dichloropropane                          | 49.54  | 1.0  | ug/L  | 50.2  |               | 98.6 | 69-136      | 2.16   | 24        |       |
| Dibromomethane                               | 47.38  | 1.0  | ug/L  | 50.3  |               | 94.3 | 84-134      | 1.23   | 23        |       |
| Dibromomethane                               | 47.38  | 1.0  | ug/L  | 50.3  |               | 94.3 | 73-147      | 1.23   | 25        |       |
| Bromodichloromethane                         | 48.90  | 1.0  | ug/L  | 50.3  |               | 97.3 | 78-121      | 1.76   | 25        |       |
| Bromodichloromethane                         | 48.90  | 1.0  | ug/L  | 50.3  |               | 97.3 | 68-129      | 1.76   | 22        |       |
| cis-1,3-Dichloropropene                      | 48.00  | 1.0  | ug/L  | 50.2  |               | 95.6 | 78-120      | 0.768  | 26        |       |
| cis-1,3-Dichloropropene                      | 48.00  | 1.0  | ug/L  | 50.2  |               | 95.6 | 65-134      | 0.768  | 23        |       |
| 4-Methyl-2-pentanone (MIBK)                  | 90.63  | 5.0  | ug/L  | 100   |               | 90.4 | 67-143      | 0.742  | 26        |       |
| 4-Methyl-2-pentanone (MIBK)                  | 90.63  | 5.0  | ug/L  | 100   |               | 90.4 | 58-147      | 0.742  | 27        |       |
| Toluene                                      | 50.03  | 1.0  | ug/L  | 50.4  |               | 99.2 | 77-130      | 4.68   | 27        |       |
| Toluene                                      | 50.03  | 1.0  | ug/L  | 50.4  |               | 99.2 | 72-133      | 4.68   | 24        |       |
| trans-1,3-Dichloropropene                    | 46.81  | 1.0  | ug/L  | 50.3  |               | 93.1 | 77-123      | 0.363  | 28        |       |
| trans-1,3-Dichloropropene                    | 46.81  | 1.0  | ug/L  | 50.3  |               | 93.1 | 67-130      | 0.363  | 24        |       |
| Ethyl Methacrylate                           | 90.26  | 10.0 | ug/L  | 100   |               | 90.2 | 52-148      | 0.652  | 30        |       |
| 1,1,2-Trichloroethane                        | 47.97  | 1.0  | ug/L  | 50.2  |               | 95.5 | 78-124      | 0.0417 | 24        |       |
| 1,1,2-Trichloroethane                        | 47.97  | 1.0  | ug/L  | 50.2  |               | 95.5 | 69-135      | 0.0417 | 23        |       |
| Tetrachloroethylene                          | 52.42  | 1.0  | ug/L  | 50.2  |               | 104  | 73-124      | 6.09   | 26        |       |
| Tetrachloroethylene                          | 52.42  | 1.0  | ug/L  | 50.2  |               | 104  | 69-130      | 6.09   | 25        |       |
| 1,3-Dichloropropane                          | 49.36  | 1.0  | ug/L  | 50.2  |               | 98.4 | 78-131      | 1.53   | 24        |       |
| 2-Hexanone (MBK)                             | 93.86  | 5.0  | ug/L  | 100   |               | 93.8 | 57-145      | 0.631  | 30        |       |
| 2-Hexanone (MBK)                             | 93.86  | 5.0  | ug/L  | 100   |               | 93.8 | 55-144      | 0.631  | 25        |       |
| Dibromochloromethane                         | 49.63  | 1.0  | ug/L  | 50.3  |               | 98.6 | 78-126      | 0.462  | 23        |       |
| Dibromochloromethane                         | 49.63  | 1.0  | ug/L  | 50.3  |               | 98.6 | 73-127      | 0.462  | 22        |       |
| 1,2-Dibromoethane                            | 48.30  | 1.0  | ug/L  | 50.4  |               | 95.8 | 69-126      | 0.599  | 22        |       |
| 1,2-Dibromoethane                            | 48.30  | 1.0  | ug/L  | 50.4  |               | 95.8 | 67-132      | 0.599  | 24        |       |
| Chlorobenzene                                | 52.77  | 1.0  | ug/L  | 50.2  |               | 105  | 76-120      | 3.70   | 25        |       |
| Chlorobenzene                                | 52.77  | 1.0  | ug/L  | 50.2  |               | 105  | 72-123      | 3.70   | 23        |       |
| 1,1,1,2-Tetrachloroethane                    | 51.73  | 1.0  | ug/L  | 50.2  |               | 103  | 81-122      | 2.46   | 23        |       |
| 1,1,1,2-Tetrachloroethane                    | 51.73  | 1.0  | ug/L  | 50.2  |               | 103  | 73-127      | 2.46   | 24        |       |
| Ethylbenzene                                 | 51.15  | 1.0  | ug/L  | 50.3  |               | 102  | 74-121      | 4.02   | 27        |       |
| Ethylbenzene                                 | 51.15  | 1.0  | ug/L  | 50.3  |               | 102  | 71-127      | 4.02   | 26        |       |
| Xylenes, total                               | 153.0  | 2.0  | ug/L  | 151   |               | 101  | 75-122      | 4.08   | 26        |       |
| Xylenes, total                               | 153.0  | 2.0  | ug/L  | 151   |               | 101  | 74-127      | 4.08   | 25        |       |

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| Determination of Volatile Organic Compounds  | Result | RL  | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|--------|-----|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b> |        |     |       |   |               |      |             |       |           |       |
| <b>LCS Dup (1HC0977-BSD1)</b>                |        |     |       |   |               |      |             |       |           |       |
|  |        |     |       | Prepared: 03/18/24 00:00 Analyzed: 03/18/24 10:15 |               |      |             |       |           |       |
| Styrene                                      | 50.58  | 1.0 | ug/L  | 50.3  |               | 100  | 76-119      | 3.42  | 26        |       |
| Styrene                                      | 50.58  | 1.0 | ug/L  | 50.3  |               | 100  | 66-126      | 3.42  | 23        |       |
| Bromoform                                    | 52.29  | 1.0 | ug/L  | 50.2  |               | 104  | 74-127      | 1.50  | 22        |       |
| Bromoform                                    | 52.29  | 1.0 | ug/L  | 50.2  |               | 104  | 68-130      | 1.50  | 23        |       |
| 1,2,3-Trichloropropane                       | 48.07  | 1.0 | ug/L  | 50.2  |               | 95.8 | 73-125      | 3.78  | 20        |       |
| 1,2,3-Trichloropropane                       | 48.07  | 1.0 | ug/L  | 50.2  |               | 95.8 | 63-136      | 3.78  | 24        |       |
| trans-1,4-Dichloro-2-butene                  | 91.74  | 5.0 | ug/L  | 100   |               | 91.5 | 55-135      | 2.20  | 26        |       |
| trans-1,4-Dichloro-2-butene                  | 91.74  | 5.0 | ug/L  | 100   |               | 91.5 | 54-134      | 2.20  | 27        |       |
| 1,1,1,2-Tetrachloroethane                    | 49.42  | 1.0 | ug/L  | 50.2  |               | 98.4 | 58-133      | 0.444 | 28        |       |
| 1,1,1,2-Tetrachloroethane                    | 49.42  | 1.0 | ug/L  | 50.2  |               | 98.4 | 61-131      | 0.444 | 29        |       |
| 1,3-Dichlorobenzene                          | 50.61  | 1.0 | ug/L  | 50.3  |               | 101  | 70-125      | 2.81  | 27        |       |
| 1,4-Dichlorobenzene                          | 49.50  | 1.0 | ug/L  | 50.2  |               | 98.7 | 69-128      | 0.805 | 29        |       |
| 1,4-Dichlorobenzene                          | 49.50  | 1.0 | ug/L  | 50.2  |               | 98.7 | 70-129      | 0.805 | 24        |       |
| 1,2-Dichlorobenzene                          | 50.73  | 1.0 | ug/L  | 50.2  |               | 101  | 70-125      | 1.27  | 25        |       |
| 1,2-Dichlorobenzene                          | 50.73  | 1.0 | ug/L  | 50.2  |               | 101  | 69-126      | 1.27  | 26        |       |
| 1,2-Dibromo-3-chloropropane                  | 45.26  | 1.0 | ug/L  | 50.4  |               | 89.8 | 54-147      | 2.57  | 29        |       |
| 1,2-Dibromo-3-chloropropane                  | 45.26  | 5.0 | ug/L  | 50.4  |               | 89.8 | 50-143      | 2.57  | 30        |       |
| 1,2,4-Trichlorobenzene                       | 52.43  | 1.0 | ug/L  | 50.2  |               | 104  | 55-149      | 0.514 | 30        |       |

|                                  |      |  |      |      |  |      |        |  |  |  |
|----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane  | 47.7 |  | ug/L | 50.2 |  | 95.0 | 80-126 |  |  |  |
| Surrogate: Dibromofluoromethane  | 47.7 |  | ug/L | 50.2 |  | 95.0 | 80-126 |  |  |  |
| Surrogate: Dibromofluoromethane  | 47.7 |  | ug/L | 50.2 |  | 95.0 | 75-136 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 48.8 |  | ug/L | 50.1 |  | 97.5 | 63-138 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 48.8 |  | ug/L | 50.1 |  | 97.5 | 63-138 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 48.8 |  | ug/L | 50.1 |  | 97.5 | 63-138 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 48.8 |  | ug/L | 50.1 |  | 97.5 | 61-142 |  |  |  |
| Surrogate: Toluene-d8            | 49.4 |  | ug/L | 50.4 |  | 98.0 | 87-116 |  |  |  |
| Surrogate: Toluene-d8            | 49.4 |  | ug/L | 50.4 |  | 98.0 | 87-116 |  |  |  |
| Surrogate: Toluene-d8            | 49.4 |  | ug/L | 50.4 |  | 98.0 | 87-116 |  |  |  |
| Surrogate: Toluene-d8            | 49.4 |  | ug/L | 50.4 |  | 98.0 | 82-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 50.9 |  | ug/L | 50.1 |  | 102  | 85-111 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 50.9 |  | ug/L | 50.1 |  | 102  | 85-111 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 50.9 |  | ug/L | 50.1 |  | 102  | 85-111 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 50.9 |  | ug/L | 50.1 |  | 102  | 80-116 |  |  |  |

| Matrix Spike (1HC0977-MS1) | Source: 1HC1004-08 | Prepared: 03/18/24 00:00 Analyzed: 03/18/24 23:36 |      |     |    |      |        |  |  |  |
|----------------------------|--------------------|---|------|-----|----|------|--------|--|--|--|
| Dichlorodifluoromethane    | 305.4              | 10.0  | ug/L | 316 | ND | 96.7 | 47-137 |  |  |  |
| Dichlorodifluoromethane    | 305.4              | 10.0  | ug/L | 316 | ND | 96.7 | 47-137 |  |  |  |
| Chloromethane              | 332.8              | 10.0  | ug/L | 306 | ND | 109  | 49-154 |  |  |  |
| Chloromethane              | 332.8              | 10.0  | ug/L | 306 | ND | 109  | 61-152 |  |  |  |
| Vinyl Chloride             | 305.6              | 10.0  | ug/L | 302 | ND | 101  | 61-152 |  |  |  |
| Vinyl Chloride             | 305.6              | 10.0  | ug/L | 302 | ND | 101  | 66-149 |  |  |  |
| Bromomethane               | 283.6              | 10.0  | ug/L | 288 | ND | 98.5 | 47-168 |  |  |  |
| Bromomethane               | 283.6              | 10.0  | ug/L | 288 | ND | 98.5 | 43-171 |  |  |  |
| Chloroethane               | 331.8              | 10.0  | ug/L | 316 | ND | 105  | 61-148 |  |  |  |
| Chloroethane               | 331.8              | 10.0  | ug/L | 316 | ND | 105  | 69-148 |  |  |  |

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| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b> |                           |      |       |   |               |      |             |     |           |       |
| <b>Matrix Spike (1HC0977-MS1)</b>            | <b>Source: 1HC1004-08</b> |      |       | Prepared: 03/18/24 00:00 Analyzed: 03/18/24 23:36 |               |      |             |     |           |       |
| Trichlorofluoromethane                       | 308.6                     | 10.0 | ug/L  | 326   | ND            | 94.6 | 73-147      |     |           |       |
| Trichlorofluoromethane                       | 308.6                     | 10.0 | ug/L  | 326   | ND            | 94.6 | 62-163      |     |           |       |
| Acrolein                                     | 873.5                     | 100  | ug/L  | 1000  | ND            | 87.1 | 20-164      |     |           |       |
| 1,1-Dichloroethylene                         | 510.2                     | 10.0 | ug/L  | 500   | ND            | 102  | 68-153      |     |           |       |
| 1,1-Dichloroethylene                         | 510.2                     | 10.0 | ug/L  | 500   | ND            | 102  | 70-148      |     |           |       |
| Acetone                                      | 1006                      | 100  | ug/L  | 1020  | ND            | 98.7 | 45-175      |     |           |       |
| Acetone                                      | 1006                      | 100  | ug/L  | 1020  | ND            | 98.7 | 45-173      |     |           |       |
| Methyl Iodide                                | 1062                      | 20.0 | ug/L  | 997   | ND            | 107  | 79-167      |     |           |       |
| Methyl Iodide                                | 1062                      | 10.0 | ug/L  | 997   | ND            | 107  | 62-167      |     |           |       |
| Carbon Disulfide                             | 981.2                     | 10.0 | ug/L  | 1010  | ND            | 97.1 | 72-156      |     |           |       |
| Carbon Disulfide                             | 981.2                     | 10.0 | ug/L  | 1010  | ND            | 97.1 | 71-163      |     |           |       |
| Acetonitrile                                 | 918.0                     | 100  | ug/L  | 1010  | ND            | 91.3 | 38-166      |     |           |       |
| Methylene Chloride                           | 459.8                     | 50.0 | ug/L  | 500   | ND            | 92.0 | 64-143      |     |           |       |
| Methylene Chloride                           | 459.8                     | 50.0 | ug/L  | 500   | ND            | 92.0 | 69-140      |     |           |       |
| Acrylonitrile                                | 809.4                     | 50.0 | ug/L  | 1000  | ND            | 80.7 | 58-151      |     |           |       |
| Acrylonitrile                                | 809.4                     | 50.0 | ug/L  | 1000  | ND            | 80.7 | 58-151      |     |           |       |
| trans-1,2-Dichloroethylene                   | 505.6                     | 10.0 | ug/L  | 500   | ND            | 101  | 65-145      |     |           |       |
| trans-1,2-Dichloroethylene                   | 505.6                     | 10.0 | ug/L  | 500   | ND            | 101  | 69-144      |     |           |       |
| 1,1-Dichloroethane                           | 492.0                     | 10.0 | ug/L  | 500   | ND            | 98.4 | 68-136      |     |           |       |
| 1,1-Dichloroethane                           | 492.0                     | 10.0 | ug/L  | 500   | ND            | 98.4 | 70-138      |     |           |       |
| Vinyl Acetate                                | 844.7                     | 50.0 | ug/L  | 1020  | ND            | 82.9 | 58-143      |     |           |       |
| Vinyl Acetate                                | 844.7                     | 50.0 | ug/L  | 1020  | ND            | 82.9 | 58-142      |     |           |       |
| 2,2-Dichloropropane                          | 410.7                     | 10.0 | ug/L  | 500   | ND            | 82.1 | 50-118      |     |           |       |
| cis-1,2-Dichloroethylene                     | 480.4                     | 10.0 | ug/L  | 495   | ND            | 97.1 | 67-153      |     |           |       |
| cis-1,2-Dichloroethylene                     | 480.4                     | 10.0 | ug/L  | 495   | ND            | 97.1 | 68-151      |     |           |       |
| 2-Butanone (MEK)                             | 953.2                     | 50.0 | ug/L  | 1030  | ND            | 92.3 | 52-159      |     |           |       |
| 2-Butanone (MEK)                             | 953.2                     | 100  | ug/L  | 1030  | ND            | 92.3 | 50-160      |     |           |       |
| Bromochloromethane                           | 494.4                     | 10.0 | ug/L  | 500   | ND            | 98.9 | 61-151      |     |           |       |
| Bromochloromethane                           | 494.4                     | 10.0 | ug/L  | 500   | ND            | 98.9 | 65-143      |     |           |       |
| Chloroform                                   | 494.0                     | 10.0 | ug/L  | 500   | ND            | 98.8 | 77-132      |     |           |       |
| Chloroform                                   | 494.0                     | 10.0 | ug/L  | 500   | ND            | 98.8 | 71-143      |     |           |       |
| 1,1,1-Trichloroethane                        | 456.0                     | 10.0 | ug/L  | 500   | ND            | 91.2 | 71-118      |     |           |       |
| 1,1,1-Trichloroethane                        | 456.0                     | 10.0 | ug/L  | 500   | ND            | 91.2 | 63-133      |     |           |       |
| 1,1-Dichloropropene                          | 488.9                     | 10.0 | ug/L  | 500   | ND            | 97.8 | 82-128      |     |           |       |
| Carbon Tetrachloride                         | 491.9                     | 10.0 | ug/L  | 500   | ND            | 98.4 | 71-133      |     |           |       |
| Carbon Tetrachloride                         | 491.9                     | 10.0 | ug/L  | 500   | ND            | 98.4 | 63-142      |     |           |       |
| Benzene                                      | 514.3                     | 10.0 | ug/L  | 500   | ND            | 103  | 81-125      |     |           |       |
| Benzene                                      | 514.3                     | 10.0 | ug/L  | 500   | ND            | 103  | 69-133      |     |           |       |
| 1,2-Dichloroethane                           | 486.8                     | 10.0 | ug/L  | 500   | ND            | 97.4 | 75-125      |     |           |       |
| 1,2-Dichloroethane                           | 486.8                     | 10.0 | ug/L  | 500   | ND            | 97.4 | 63-138      |     |           |       |
| Trichloroethylene                            | 489.3                     | 10.0 | ug/L  | 500   | ND            | 97.9 | 83-120      |     |           |       |
| Trichloroethylene                            | 489.3                     | 10.0 | ug/L  | 500   | ND            | 97.9 | 71-133      |     |           |       |
| 1,2-Dichloropropane                          | 489.2                     | 10.0 | ug/L  | 500   | ND            | 97.8 | 80-124      |     |           |       |

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1HC1004

| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b> |                           |      |       |   |               |      |             |     |           |       |
| <b>Matrix Spike (1HC0977-MS1)</b>            | <b>Source: 1HC1004-08</b> |      |       | Prepared: 03/18/24 00:00 Analyzed: 03/18/24 23:36 |               |      |             |     |           |       |
| 1,2-Dichloropropane                          | 489.2                     | 10.0 | ug/L  | 500   | ND            | 97.8 | 69-132      |     |           |       |
| Dibromomethane                               | 512.5                     | 10.0 | ug/L  | 500   | ND            | 102  | 84-131      |     |           |       |
| Dibromomethane                               | 512.5                     | 10.0 | ug/L  | 500   | ND            | 102  | 70-147      |     |           |       |
| Bromodichloromethane                         | 467.7                     | 10.0 | ug/L  | 500   | ND            | 93.5 | 79-118      |     |           |       |
| Bromodichloromethane                         | 467.7                     | 10.0 | ug/L  | 500   | ND            | 93.5 | 67-130      |     |           |       |
| cis-1,3-Dichloropropene                      | 439.1                     | 10.0 | ug/L  | 503   | ND            | 87.3 | 75-116      |     |           |       |
| cis-1,3-Dichloropropene                      | 439.1                     | 10.0 | ug/L  | 503   | ND            | 87.3 | 61-126      |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                  | 892.4                     | 50.0 | ug/L  | 1010  | ND            | 88.0 | 65-149      |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                  | 892.4                     | 50.0 | ug/L  | 1010  | ND            | 88.0 | 55-147      |     |           |       |
| Toluene                                      | 490.6                     | 10.0 | ug/L  | 500   | ND            | 98.1 | 82-123      |     |           |       |
| Toluene                                      | 490.6                     | 10.0 | ug/L  | 500   | ND            | 98.1 | 71-133      |     |           |       |
| trans-1,3-Dichloropropene                    | 423.0                     | 10.0 | ug/L  | 504   | ND            | 83.9 | 75-117      |     |           |       |
| trans-1,3-Dichloropropene                    | 423.0                     | 10.0 | ug/L  | 504   | ND            | 83.9 | 63-124      |     |           |       |
| Ethyl Methacrylate                           | 850.3                     | 100  | ug/L  | 1010  | ND            | 84.5 | 73-135      |     |           |       |
| 1,1,2-Trichloroethane                        | 485.5                     | 10.0 | ug/L  | 500   | ND            | 97.1 | 77-122      |     |           |       |
| 1,1,2-Trichloroethane                        | 485.5                     | 10.0 | ug/L  | 500   | ND            | 97.1 | 69-133      |     |           |       |
| Tetrachloroethylene                          | 495.4                     | 10.0 | ug/L  | 500   | ND            | 99.1 | 74-120      |     |           |       |
| Tetrachloroethylene                          | 495.4                     | 10.0 | ug/L  | 500   | ND            | 99.1 | 70-124      |     |           |       |
| 1,3-Dichloropropane                          | 519.5                     | 10.0 | ug/L  | 500   | ND            | 104  | 80-127      |     |           |       |
| 2-Hexanone (MBK)                             | 930.5                     | 50.0 | ug/L  | 1030  | ND            | 90.1 | 57-150      |     |           |       |
| 2-Hexanone (MBK)                             | 930.5                     | 50.0 | ug/L  | 1030  | ND            | 90.1 | 53-141      |     |           |       |
| Dibromochloromethane                         | 484.0                     | 10.0 | ug/L  | 495   | ND            | 97.8 | 80-120      |     |           |       |
| Dibromochloromethane                         | 484.0                     | 10.0 | ug/L  | 495   | ND            | 97.8 | 74-122      |     |           |       |
| 1,2-Dibromoethane                            | 468.3                     | 10.0 | ug/L  | 500   | ND            | 93.7 | 67-125      |     |           |       |
| 1,2-Dibromoethane                            | 468.3                     | 10.0 | ug/L  | 500   | ND            | 93.7 | 66-127      |     |           |       |
| Chlorobenzene                                | 493.5                     | 10.0 | ug/L  | 500   | ND            | 98.7 | 81-113      |     |           |       |
| Chlorobenzene                                | 493.5                     | 10.0 | ug/L  | 500   | ND            | 98.7 | 76-116      |     |           |       |
| 1,1,1,2-Tetrachloroethane                    | 508.6                     | 10.0 | ug/L  | 500   | ND            | 102  | 80-119      |     |           |       |
| 1,1,1,2-Tetrachloroethane                    | 508.6                     | 10.0 | ug/L  | 500   | ND            | 102  | 77-121      |     |           |       |
| Ethylbenzene                                 | 467.1                     | 10.0 | ug/L  | 500   | ND            | 93.4 | 78-114      |     |           |       |
| Ethylbenzene                                 | 467.1                     | 10.0 | ug/L  | 500   | ND            | 93.4 | 73-124      |     |           |       |
| Xylenes, total                               | 1412                      | 20.0 | ug/L  | 1500  | ND            | 94.1 | 77-116      |     |           |       |
| Xylenes, total                               | 1412                      | 20.0 | ug/L  | 1500  | ND            | 94.1 | 75-123      |     |           |       |
| Styrene                                      | 471.4                     | 10.0 | ug/L  | 500   | ND            | 94.3 | 78-114      |     |           |       |
| Styrene                                      | 471.4                     | 10.0 | ug/L  | 500   | ND            | 94.3 | 70-120      |     |           |       |
| Bromoform                                    | 519.3                     | 10.0 | ug/L  | 500   | ND            | 104  | 69-125      |     |           |       |
| Bromoform                                    | 519.3                     | 10.0 | ug/L  | 500   | ND            | 104  | 70-124      |     |           |       |
| 1,2,3-Trichloropropane                       | 495.4                     | 10.0 | ug/L  | 500   | ND            | 99.1 | 72-125      |     |           |       |
| 1,2,3-Trichloropropane                       | 495.4                     | 10.0 | ug/L  | 500   | ND            | 99.1 | 62-135      |     |           |       |
| trans-1,4-Dichloro-2-butene                  | 787.5                     | 50.0 | ug/L  | 1040  | ND            | 75.8 | 48-131      |     |           |       |
| trans-1,4-Dichloro-2-butene                  | 787.5                     | 50.0 | ug/L  | 1040  | ND            | 75.8 | 50-120      |     |           |       |
| 1,1,2,2-Tetrachloroethane                    | 457.2                     | 10.0 | ug/L  | 498   | ND            | 91.7 | 51-138      |     |           |       |
| 1,1,2,2-Tetrachloroethane                    | 457.2                     | 10.0 | ug/L  | 498   | ND            | 91.7 | 63-126      |     |           |       |

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| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b> |                           |      |       |   |               |      |             |       |           |       |
| <b>Matrix Spike (1HC0977-MS1)</b>            | <b>Source: 1HC1004-08</b> |      |       | Prepared: 03/18/24 00:00 Analyzed: 03/18/24 23:36 |               |      |             |       |           |       |
| 1,3-Dichlorobenzene                          | 438.8                     | 10.0 | ug/L  | 500   | ND            | 87.8 | 70-122      |       |           |       |
| 1,4-Dichlorobenzene                          | 445.5                     | 10.0 | ug/L  | 500   | ND            | 89.1 | 70-124      |       |           |       |
| 1,4-Dichlorobenzene                          | 445.5                     | 10.0 | ug/L  | 500   | ND            | 89.1 | 72-119      |       |           |       |
| 1,2-Dichlorobenzene                          | 450.5                     | 10.0 | ug/L  | 500   | ND            | 90.1 | 68-123      |       |           |       |
| 1,2-Dichlorobenzene                          | 450.5                     | 10.0 | ug/L  | 500   | ND            | 90.1 | 71-117      |       |           |       |
| 1,2-Dibromo-3-chloropropane                  | 415.7                     | 10.0 | ug/L  | 500   | ND            | 83.1 | 46-149      |       |           |       |
| 1,2-Dibromo-3-chloropropane                  | 415.7                     | 50.0 | ug/L  | 500   | ND            | 83.1 | 49-134      |       |           |       |
| 1,2,4-Trichlorobenzene                       | 435.2                     | 10.0 | ug/L  | 500   | ND            | 87.0 | 60-137      |       |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 559                       |      | ug/L  | 502   |               | 111  | 80-126      |       |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 559                       |      | ug/L  | 502   |               | 111  | 80-126      |       |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 559                       |      | ug/L  | 502   |               | 111  | 75-136      |       |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 569                       |      | ug/L  | 501   |               | 114  | 63-138      |       |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 569                       |      | ug/L  | 501   |               | 114  | 63-138      |       |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 569                       |      | ug/L  | 501   |               | 114  | 63-138      |       |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 569                       |      | ug/L  | 501   |               | 114  | 61-142      |       |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 513                       |      | ug/L  | 504   |               | 102  | 87-116      |       |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 513                       |      | ug/L  | 504   |               | 102  | 87-116      |       |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 513                       |      | ug/L  | 504   |               | 102  | 87-116      |       |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 513                       |      | ug/L  | 504   |               | 102  | 82-121      |       |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 516                       |      | ug/L  | 501   |               | 103  | 85-111      |       |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 516                       |      | ug/L  | 501   |               | 103  | 85-111      |       |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 516                       |      | ug/L  | 501   |               | 103  | 85-111      |       |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 516                       |      | ug/L  | 501   |               | 103  | 80-116      |       |           |       |
| <b>Matrix Spike Dup (1HC0977-MSD1)</b>       | <b>Source: 1HC1004-08</b> |      |       | Prepared: 03/18/24 00:00 Analyzed: 03/19/24 00:02 |               |      |             |       |           |       |
| Dichlorodifluoromethane                      | 291.9                     | 10.0 | ug/L  | 316   | ND            | 92.4 | 47-137      | 4.52  | 20        |       |
| Dichlorodifluoromethane                      | 291.9                     | 10.0 | ug/L  | 316   | ND            | 92.4 | 47-137      | 4.52  | 20        |       |
| Chloromethane                                | 316.9                     | 10.0 | ug/L  | 306   | ND            | 103  | 49-154      | 4.89  | 25        |       |
| Chloromethane                                | 316.9                     | 10.0 | ug/L  | 306   | ND            | 103  | 61-152      | 4.89  | 26        |       |
| Vinyl Chloride                               | 291.5                     | 10.0 | ug/L  | 302   | ND            | 96.4 | 61-152      | 4.72  | 24        |       |
| Vinyl Chloride                               | 291.5                     | 10.0 | ug/L  | 302   | ND            | 96.4 | 66-149      | 4.72  | 23        |       |
| Bromomethane                                 | 286.4                     | 10.0 | ug/L  | 288   | ND            | 99.4 | 47-168      | 0.982 | 30        |       |
| Bromomethane                                 | 286.4                     | 10.0 | ug/L  | 288   | ND            | 99.4 | 43-171      | 0.982 | 29        |       |
| Chloroethane                                 | 318.1                     | 10.0 | ug/L  | 316   | ND            | 101  | 61-148      | 4.22  | 29        |       |
| Chloroethane                                 | 318.1                     | 10.0 | ug/L  | 316   | ND            | 101  | 69-148      | 4.22  | 25        |       |
| Trichlorofluoromethane                       | 289.7                     | 10.0 | ug/L  | 326   | ND            | 88.8 | 73-147      | 6.32  | 24        |       |
| Trichlorofluoromethane                       | 289.7                     | 10.0 | ug/L  | 326   | ND            | 88.8 | 62-163      | 6.32  | 25        |       |
| Acrolein                                     | 843.8                     | 100  | ug/L  | 1000  | ND            | 84.2 | 20-164      | 3.46  | 24        |       |
| 1,1-Dichloroethylene                         | 490.1                     | 10.0 | ug/L  | 500   | ND            | 98.0 | 68-153      | 4.02  | 21        |       |
| 1,1-Dichloroethylene                         | 490.1                     | 10.0 | ug/L  | 500   | ND            | 98.0 | 70-148      | 4.02  | 22        |       |
| Acetone                                      | 970.0                     | 100  | ug/L  | 1020  | ND            | 95.1 | 45-175      | 3.67  | 23        |       |
| Acetone                                      | 970.0                     | 100  | ug/L  | 1020  | ND            | 95.1 | 45-173      | 3.67  | 30        |       |
| Methyl Iodide                                | 1017                      | 20.0 | ug/L  | 997   | ND            | 102  | 79-167      | 4.35  | 14        |       |
| Methyl Iodide                                | 1017                      | 10.0 | ug/L  | 997   | ND            | 102  | 62-167      | 4.35  | 24        |       |
| Carbon Disulfide                             | 927.7                     | 10.0 | ug/L  | 1010  | ND            | 91.9 | 72-156      | 5.61  | 19        |       |

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| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b> |                           |      |       |   |               |      |             |       |           |       |
| <b>Matrix Spike Dup (1HC0977-MSD1)</b>       | <b>Source: 1HC1004-08</b> |      |       | Prepared: 03/18/24 00:00 Analyzed: 03/19/24 00:02 |               |      |             |       |           |       |
| Carbon Disulfide                             | 927.7                     | 10.0 | ug/L  | 1010  | ND            | 91.9 | 71-163      | 5.61  | 22        |       |
| Acetonitrile                                 | 909.7                     | 100  | ug/L  | 1010  | ND            | 90.4 | 38-166      | 0.908 | 20        |       |
| Methylene Chloride                           | 445.6                     | 50.0 | ug/L  | 500   | ND            | 89.1 | 64-143      | 3.14  | 19        |       |
| Methylene Chloride                           | 445.6                     | 50.0 | ug/L  | 500   | ND            | 89.1 | 69-140      | 3.14  | 19        |       |
| Acrylonitrile                                | 796.9                     | 50.0 | ug/L  | 1000  | ND            | 79.4 | 58-151      | 1.56  | 15        |       |
| Acrylonitrile                                | 796.9                     | 50.0 | ug/L  | 1000  | ND            | 79.4 | 58-151      | 1.56  | 15        |       |
| trans-1,2-Dichloroethylene                   | 486.9                     | 10.0 | ug/L  | 500   | ND            | 97.4 | 65-145      | 3.77  | 18        |       |
| trans-1,2-Dichloroethylene                   | 486.9                     | 10.0 | ug/L  | 500   | ND            | 97.4 | 69-144      | 3.77  | 22        |       |
| 1,1-Dichloroethane                           | 473.0                     | 10.0 | ug/L  | 500   | ND            | 94.6 | 68-136      | 3.94  | 17        |       |
| 1,1-Dichloroethane                           | 473.0                     | 10.0 | ug/L  | 500   | ND            | 94.6 | 70-138      | 3.94  | 20        |       |
| Vinyl Acetate                                | 788.9                     | 50.0 | ug/L  | 1020  | ND            | 77.4 | 58-143      | 6.83  | 14        |       |
| Vinyl Acetate                                | 788.9                     | 50.0 | ug/L  | 1020  | ND            | 77.4 | 58-142      | 6.83  | 24        |       |
| 2,2-Dichloropropane                          | 391.4                     | 10.0 | ug/L  | 500   | ND            | 78.3 | 50-118      | 4.81  | 17        |       |
| cis-1,2-Dichloroethylene                     | 463.6                     | 10.0 | ug/L  | 495   | ND            | 93.7 | 67-153      | 3.56  | 22        |       |
| cis-1,2-Dichloroethylene                     | 463.6                     | 10.0 | ug/L  | 495   | ND            | 93.7 | 68-151      | 3.56  | 22        |       |
| 2-Butanone (MEK)                             | 994.1                     | 50.0 | ug/L  | 1030  | ND            | 96.2 | 52-159      | 4.20  | 28        |       |
| 2-Butanone (MEK)                             | 994.1                     | 100  | ug/L  | 1030  | ND            | 96.2 | 50-160      | 4.20  | 23        |       |
| Bromochloromethane                           | 485.9                     | 10.0 | ug/L  | 500   | ND            | 97.2 | 61-151      | 1.73  | 27        |       |
| Bromochloromethane                           | 485.9                     | 10.0 | ug/L  | 500   | ND            | 97.2 | 65-143      | 1.73  | 22        |       |
| Chloroform                                   | 474.5                     | 10.0 | ug/L  | 500   | ND            | 94.9 | 77-132      | 4.03  | 17        |       |
| Chloroform                                   | 474.5                     | 10.0 | ug/L  | 500   | ND            | 94.9 | 71-143      | 4.03  | 21        |       |
| 1,1,1-Trichloroethane                        | 436.4                     | 10.0 | ug/L  | 500   | ND            | 87.3 | 71-118      | 4.39  | 15        |       |
| 1,1,1-Trichloroethane                        | 436.4                     | 10.0 | ug/L  | 500   | ND            | 87.3 | 63-133      | 4.39  | 23        |       |
| 1,1-Dichloropropene                          | 472.7                     | 10.0 | ug/L  | 500   | ND            | 94.5 | 82-128      | 3.37  | 16        |       |
| Carbon Tetrachloride                         | 471.8                     | 10.0 | ug/L  | 500   | ND            | 94.4 | 71-133      | 4.17  | 14        |       |
| Carbon Tetrachloride                         | 471.8                     | 10.0 | ug/L  | 500   | ND            | 94.4 | 63-142      | 4.17  | 22        |       |
| Benzene                                      | 496.9                     | 10.0 | ug/L  | 500   | ND            | 99.4 | 81-125      | 3.44  | 12        |       |
| Benzene                                      | 496.9                     | 10.0 | ug/L  | 500   | ND            | 99.4 | 69-133      | 3.44  | 18        |       |
| 1,2-Dichloroethane                           | 474.8                     | 10.0 | ug/L  | 500   | ND            | 95.0 | 75-125      | 2.50  | 13        |       |
| 1,2-Dichloroethane                           | 474.8                     | 10.0 | ug/L  | 500   | ND            | 95.0 | 63-138      | 2.50  | 20        |       |
| Trichloroethylene                            | 473.8                     | 10.0 | ug/L  | 500   | ND            | 94.8 | 83-120      | 3.22  | 11        |       |
| Trichloroethylene                            | 473.8                     | 10.0 | ug/L  | 500   | ND            | 94.8 | 71-133      | 3.22  | 23        |       |
| 1,2-Dichloropropane                          | 476.0                     | 10.0 | ug/L  | 500   | ND            | 95.2 | 80-124      | 2.74  | 11        |       |
| 1,2-Dichloropropane                          | 476.0                     | 10.0 | ug/L  | 500   | ND            | 95.2 | 69-132      | 2.74  | 20        |       |
| Dibromomethane                               | 488.3                     | 10.0 | ug/L  | 500   | ND            | 97.7 | 84-131      | 4.84  | 13        |       |
| Dibromomethane                               | 488.3                     | 10.0 | ug/L  | 500   | ND            | 97.7 | 70-147      | 4.84  | 22        |       |
| Bromodichloromethane                         | 454.3                     | 10.0 | ug/L  | 500   | ND            | 90.9 | 79-118      | 2.91  | 11        |       |
| Bromodichloromethane                         | 454.3                     | 10.0 | ug/L  | 500   | ND            | 90.9 | 67-130      | 2.91  | 21        |       |
| cis-1,3-Dichloropropene                      | 428.3                     | 10.0 | ug/L  | 503   | ND            | 85.1 | 75-116      | 2.49  | 11        |       |
| cis-1,3-Dichloropropene                      | 428.3                     | 10.0 | ug/L  | 503   | ND            | 85.1 | 61-126      | 2.49  | 21        |       |
| 4-Methyl-2-pentanone (MIBK)                  | 899.9                     | 50.0 | ug/L  | 1010  | ND            | 88.7 | 65-149      | 0.837 | 14        |       |
| 4-Methyl-2-pentanone (MIBK)                  | 899.9                     | 50.0 | ug/L  | 1010  | ND            | 88.7 | 55-147      | 0.837 | 23        |       |
| Toluene                                      | 474.7                     | 10.0 | ug/L  | 500   | ND            | 94.9 | 82-123      | 3.29  | 12        |       |

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CERTIFICATE OF ANALYSIS

1HC1004

| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b> |                           |      |       |   |               |      |             |       |           |       |
| <b>Matrix Spike Dup (1HC0977-MSD1)</b>       | <b>Source: 1HC1004-08</b> |      |       | Prepared: 03/18/24 00:00 Analyzed: 03/19/24 00:02 |               |      |             |       |           |       |
| Toluene                                      | 474.7                     | 10.0 | ug/L  | 500   | ND            | 94.9 | 71-133      | 3.29  | 19        |       |
| trans-1,3-Dichloropropene                    | 415.7                     | 10.0 | ug/L  | 504   | ND            | 82.4 | 75-117      | 1.74  | 11        |       |
| trans-1,3-Dichloropropene                    | 415.7                     | 10.0 | ug/L  | 504   | ND            | 82.4 | 63-124      | 1.74  | 21        |       |
| Ethyl Methacrylate                           | 861.8                     | 100  | ug/L  | 1010  | ND            | 85.7 | 73-135      | 1.34  | 10        |       |
| 1,1,2-Trichloroethane                        | 475.0                     | 10.0 | ug/L  | 500   | ND            | 95.0 | 77-122      | 2.19  | 11        |       |
| 1,1,2-Trichloroethane                        | 475.0                     | 10.0 | ug/L  | 500   | ND            | 95.0 | 69-133      | 2.19  | 19        |       |
| Tetrachloroethylene                          | 479.8                     | 10.0 | ug/L  | 500   | ND            | 96.0 | 74-120      | 3.20  | 17        |       |
| Tetrachloroethylene                          | 479.8                     | 10.0 | ug/L  | 500   | ND            | 96.0 | 70-124      | 3.20  | 24        |       |
| 1,3-Dichloropropane                          | 511.5                     | 10.0 | ug/L  | 500   | ND            | 102  | 80-127      | 1.55  | 13        |       |
| 2-Hexanone (MBK)                             | 917.7                     | 50.0 | ug/L  | 1030  | ND            | 88.8 | 57-150      | 1.39  | 17        |       |
| 2-Hexanone (MBK)                             | 917.7                     | 50.0 | ug/L  | 1030  | ND            | 88.8 | 53-141      | 1.39  | 24        |       |
| Dibromochloromethane                         | 474.5                     | 10.0 | ug/L  | 495   | ND            | 95.9 | 80-120      | 1.98  | 12        |       |
| Dibromochloromethane                         | 474.5                     | 10.0 | ug/L  | 495   | ND            | 95.9 | 74-122      | 1.98  | 21        |       |
| 1,2-Dibromoethane                            | 465.9                     | 10.0 | ug/L  | 500   | ND            | 93.2 | 67-125      | 0.514 | 12        |       |
| 1,2-Dibromoethane                            | 465.9                     | 10.0 | ug/L  | 500   | ND            | 93.2 | 66-127      | 0.514 | 23        |       |
| Chlorobenzene                                | 482.8                     | 10.0 | ug/L  | 500   | ND            | 96.6 | 81-113      | 2.19  | 14        |       |
| Chlorobenzene                                | 482.8                     | 10.0 | ug/L  | 500   | ND            | 96.6 | 76-116      | 2.19  | 21        |       |
| 1,1,1,2-Tetrachloroethane                    | 496.4                     | 10.0 | ug/L  | 500   | ND            | 99.3 | 80-119      | 2.43  | 15        |       |
| 1,1,1,2-Tetrachloroethane                    | 496.4                     | 10.0 | ug/L  | 500   | ND            | 99.3 | 77-121      | 2.43  | 25        |       |
| Ethylbenzene                                 | 458.7                     | 10.0 | ug/L  | 500   | ND            | 91.7 | 78-114      | 1.81  | 14        |       |
| Ethylbenzene                                 | 458.7                     | 10.0 | ug/L  | 500   | ND            | 91.7 | 73-124      | 1.81  | 20        |       |
| Xylenes, total                               | 1387                      | 20.0 | ug/L  | 1500  | ND            | 92.4 | 77-116      | 1.83  | 13        |       |
| Xylenes, total                               | 1387                      | 20.0 | ug/L  | 1500  | ND            | 92.4 | 75-123      | 1.83  | 20        |       |
| Styrene                                      | 457.0                     | 10.0 | ug/L  | 500   | ND            | 91.4 | 78-114      | 3.10  | 12        |       |
| Styrene                                      | 457.0                     | 10.0 | ug/L  | 500   | ND            | 91.4 | 70-120      | 3.10  | 23        |       |
| Bromoform                                    | 515.8                     | 10.0 | ug/L  | 500   | ND            | 103  | 69-125      | 0.676 | 14        |       |
| Bromoform                                    | 515.8                     | 10.0 | ug/L  | 500   | ND            | 103  | 70-124      | 0.676 | 22        |       |
| 1,2,3-Trichloropropane                       | 479.3                     | 10.0 | ug/L  | 500   | ND            | 95.9 | 72-125      | 3.30  | 18        |       |
| 1,2,3-Trichloropropane                       | 479.3                     | 10.0 | ug/L  | 500   | ND            | 95.9 | 62-135      | 3.30  | 28        |       |
| trans-1,4-Dichloro-2-butene                  | 792.2                     | 50.0 | ug/L  | 1040  | ND            | 76.2 | 48-131      | 0.595 | 17        |       |
| trans-1,4-Dichloro-2-butene                  | 792.2                     | 50.0 | ug/L  | 1040  | ND            | 76.2 | 50-120      | 0.595 | 26        |       |
| 1,1,2,2-Tetrachloroethane                    | 462.7                     | 10.0 | ug/L  | 498   | ND            | 92.8 | 51-138      | 1.20  | 30        |       |
| 1,1,2,2-Tetrachloroethane                    | 462.7                     | 10.0 | ug/L  | 498   | ND            | 92.8 | 63-126      | 1.20  | 24        |       |
| 1,3-Dichlorobenzene                          | 436.6                     | 10.0 | ug/L  | 500   | ND            | 87.3 | 70-122      | 0.503 | 30        |       |
| 1,4-Dichlorobenzene                          | 444.4                     | 10.0 | ug/L  | 500   | ND            | 88.9 | 70-124      | 0.247 | 28        |       |
| 1,4-Dichlorobenzene                          | 444.4                     | 10.0 | ug/L  | 500   | ND            | 88.9 | 72-119      | 0.247 | 24        |       |
| 1,2-Dichlorobenzene                          | 447.3                     | 10.0 | ug/L  | 500   | ND            | 89.5 | 68-123      | 0.713 | 29        |       |
| 1,2-Dichlorobenzene                          | 447.3                     | 10.0 | ug/L  | 500   | ND            | 89.5 | 71-117      | 0.713 | 24        |       |
| 1,2-Dibromo-3-chloropropane                  | 446.0                     | 10.0 | ug/L  | 500   | ND            | 89.2 | 46-149      | 7.03  | 30        |       |
| 1,2-Dibromo-3-chloropropane                  | 446.0                     | 50.0 | ug/L  | 500   | ND            | 89.2 | 49-134      | 7.03  | 28        |       |
| 1,2,4-Trichlorobenzene                       | 458.1                     | 10.0 | ug/L  | 500   | ND            | 91.6 | 60-137      | 5.13  | 30        |       |
| Surrogate: Dibromofluoromethane              | 537                       |      | ug/L  | 502   |               | 107  | 80-126      |       |           |       |

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1HC1004

| Determination of Volatile Organic Compounds  | Result                    | RL | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|---------------------------|----|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC0977 - EPA 5030B - EPA 8260B</b> |                           |    |       |   |               |      |             |     |           |       |
| <b>Matrix Spike Dup (1HC0977-MSD1)</b>       | <b>Source: 1HC1004-08</b> |    |       | Prepared: 03/18/24 00:00 Analyzed: 03/19/24 00:02 |               |      |             |     |           |       |
| Surrogate: Dibromofluoromethane              | 537                       |    | ug/L  | 502   |               | 107  | 80-126      |     |           |       |
| Surrogate: Dibromofluoromethane              | 537                       |    | ug/L  | 502   |               | 107  | 75-136      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 548                       |    | ug/L  | 501   |               | 110  | 63-138      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 548                       |    | ug/L  | 501   |               | 110  | 63-138      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 548                       |    | ug/L  | 501   |               | 110  | 63-138      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 548                       |    | ug/L  | 501   |               | 110  | 61-142      |     |           |       |
| Surrogate: Toluene-d8                        | 504                       |    | ug/L  | 504   |               | 100  | 87-116      |     |           |       |
| Surrogate: Toluene-d8                        | 504                       |    | ug/L  | 504   |               | 100  | 87-116      |     |           |       |
| Surrogate: Toluene-d8                        | 504                       |    | ug/L  | 504   |               | 100  | 87-116      |     |           |       |
| Surrogate: Toluene-d8                        | 504                       |    | ug/L  | 504   |               | 100  | 82-121      |     |           |       |
| Surrogate: 4-Bromofluorobenzene              | 518                       |    | ug/L  | 501   |               | 103  | 85-111      |     |           |       |
| Surrogate: 4-Bromofluorobenzene              | 518                       |    | ug/L  | 501   |               | 103  | 85-111      |     |           |       |
| Surrogate: 4-Bromofluorobenzene              | 518                       |    | ug/L  | 501   |               | 103  | 85-111      |     |           |       |
| Surrogate: 4-Bromofluorobenzene              | 518                       |    | ug/L  | 501   |               | 103  | 80-116      |     |           |       |

**Batch 1HC1308 - EPA 5030B - EPA 8260B**

|                             |   |      |      |  |  |  |  |  |  |  |
|-----------------------------|---|------|------|--|--|--|--|--|--|--|
| <b>Blank (1HC1308-BLK1)</b> | Prepared: 03/22/24 00:00 Analyzed: 03/22/24 10:58 |      |      |  |  |  |  |  |  |  |
| 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  | 44.9 |  | ug/L | 50.2 |  | 89.5 | 80-126 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 47.1 |  | ug/L | 50.1 |  | 94.1 | 63-138 |  |  |  |
| Surrogate: Toluene-d8            | 48.8 |  | ug/L | 50.4 |  | 96.8 | 87-116 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 49.6 |  | ug/L | 50.1 |  | 98.9 | 85-111 |  |  |  |

|                          |   |      |      |      |  |      |        |  |  |  |
|--------------------------|---|------|------|------|--|------|--------|--|--|--|
| <b>LCS (1HC1308-BS1)</b> | Prepared: 03/22/24 00:00 Analyzed: 03/22/24 09:50 |      |      |      |  |      |        |  |  |  |
| Allyl chloride           | 41.42   | 1.0  | ug/L | 35.7 |  | 116  | 76-134 |  |  |  |
| Chloroprene              | 45.89   | 1.0  | ug/L | 50.0 |  | 91.8 | 74-141 |  |  |  |
| Methacrylonitrile        | 57.91   | 1.0  | ug/L | 64.3 |  | 90.1 | 73-143 |  |  |  |
| Methyl Methacrylate      | 56.05   | 1.0  | ug/L | 57.3 |  | 97.8 | 72-123 |  |  |  |
| Propionitrile            | 69.14   | 10.0 | ug/L | 50.0 |  | 138  | 50-151 |  |  |  |

|                                  |      |  |      |      |  |      |        |  |  |  |
|----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane  | 46.6 |  | ug/L | 50.2 |  | 93.0 | 80-126 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 47.1 |  | ug/L | 50.1 |  | 94.0 | 63-138 |  |  |  |
| Surrogate: Toluene-d8            | 49.3 |  | ug/L | 50.4 |  | 97.9 | 87-116 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 50.0 |  | ug/L | 50.1 |  | 99.6 | 85-111 |  |  |  |

|                               |   |      |      |      |  |      |        |      |    |  |
|-------------------------------|---|------|------|------|--|------|--------|------|----|--|
| <b>LCS Dup (1HC1308-BSD1)</b> | Prepared: 03/22/24 00:00 Analyzed: 03/22/24 10:12 |      |      |      |  |      |        |      |    |  |
| Allyl chloride                | 38.34   | 1.0  | ug/L | 35.7 |  | 107  | 76-134 | 7.72 | 30 |  |
| Chloroprene                   | 41.57   | 1.0  | ug/L | 50.0 |  | 83.1 | 74-141 | 9.88 | 30 |  |
| Methacrylonitrile             | 54.32   | 1.0  | ug/L | 64.3 |  | 84.5 | 73-143 | 6.40 | 30 |  |
| Methyl Methacrylate           | 52.91   | 1.0  | ug/L | 57.3 |  | 92.3 | 72-123 | 5.76 | 30 |  |
| Propionitrile                 | 65.81   | 10.0 | ug/L | 50.0 |  | 132  | 50-151 | 4.94 | 30 |  |



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1HC1004

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HC1308 - EPA 5030B - EPA 8260B

LCS Dup (1HC1308-BSD1)

Prepared: 03/22/24 00:00 Analyzed: 03/22/24 10:12

|                                  |      |  |      |      |  |      |        |  |  |  |
|----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane  | 46.3 |  | ug/L | 50.2 |  | 92.3 | 80-126 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 46.8 |  | ug/L | 50.1 |  | 93.5 | 63-138 |  |  |  |
| Surrogate: Toluene-d8            | 49.7 |  | ug/L | 50.4 |  | 98.7 | 87-116 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 50.1 |  | ug/L | 50.1 |  | 100  | 85-111 |  |  |  |

Matrix Spike (1HC1308-MS1)

Source: 1HC1004-09

Prepared: 03/22/24 00:00 Analyzed: 03/22/24 13:12

|                     |       |      |      |     |    |      |        |  |  |       |
|---------------------|-------|------|------|-----|----|------|--------|--|--|-------|
| Allyl chloride      | 435.7 | 10.0 | ug/L | 357 | ND | 122  | 60-140 |  |  |       |
| Chloroprene         | 483.9 | 10.0 | ug/L | 500 | ND | 96.8 | 60-140 |  |  |       |
| Methacrylonitrile   | 584.7 | 10.0 | ug/L | 643 | ND | 91.0 | 60-140 |  |  |       |
| Methyl Methacrylate | 562.2 | 10.0 | ug/L | 573 | ND | 98.1 | 60-140 |  |  |       |
| Propionitrile       | 733.1 | 100  | ug/L | 500 | ND | 147  | 60-140 |  |  | QM-14 |

|                                  |     |  |      |     |  |      |        |  |  |  |
|----------------------------------|-----|--|------|-----|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane  | 465 |  | ug/L | 502 |  | 92.7 | 80-126 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 473 |  | ug/L | 501 |  | 94.4 | 63-138 |  |  |  |
| Surrogate: Toluene-d8            | 497 |  | ug/L | 504 |  | 98.7 | 87-116 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 504 |  | ug/L | 501 |  | 101  | 85-111 |  |  |  |

Matrix Spike Dup (1HC1308-MSD1)

Source: 1HC1004-09

Prepared: 03/22/24 00:00 Analyzed: 03/22/24 13:35

|                     |       |      |      |     |    |      |        |       |    |       |
|---------------------|-------|------|------|-----|----|------|--------|-------|----|-------|
| Allyl chloride      | 429.6 | 10.0 | ug/L | 357 | ND | 120  | 60-140 | 1.41  | 30 |       |
| Chloroprene         | 454.5 | 10.0 | ug/L | 500 | ND | 90.9 | 60-140 | 6.27  | 30 |       |
| Methacrylonitrile   | 579.1 | 10.0 | ug/L | 643 | ND | 90.1 | 60-140 | 0.962 | 30 |       |
| Methyl Methacrylate | 564.4 | 10.0 | ug/L | 573 | ND | 98.5 | 60-140 | 0.391 | 30 |       |
| Propionitrile       | 715.4 | 100  | ug/L | 500 | ND | 143  | 60-140 | 2.44  | 30 | QM-14 |

|                                  |     |  |      |     |  |      |        |  |  |  |
|----------------------------------|-----|--|------|-----|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane  | 462 |  | ug/L | 502 |  | 92.2 | 80-126 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 470 |  | ug/L | 501 |  | 93.9 | 63-138 |  |  |  |
| Surrogate: Toluene-d8            | 494 |  | ug/L | 504 |  | 98.1 | 87-116 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 500 |  | ug/L | 501 |  | 99.8 | 85-111 |  |  |  |

| Determination of General Solvents | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|-----------------------------------|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HC1422 - Semi-Vol GC - EPA 8015C

Blank (1HC1422-BLK1)

Prepared: 03/26/24 12:11 Analyzed: 03/26/24 14:54

|            |      |     |      |  |  |  |  |  |  |  |
|------------|------|-----|------|--|--|--|--|--|--|--|
| Isobutanol | <1.0 | 1.0 | mg/L |  |  |  |  |  |  |  |
|------------|------|-----|------|--|--|--|--|--|--|--|

LCS (1HC1422-BS1)

Prepared: 03/26/24 12:11 Analyzed: 03/26/24 13:00

|            |       |     |      |      |  |     |        |  |  |  |
|------------|-------|-----|------|------|--|-----|--------|--|--|--|
| Isobutanol | 26.71 | 1.0 | mg/L | 26.0 |  | 103 | 40-135 |  |  |  |
|------------|-------|-----|------|------|--|-----|--------|--|--|--|

Matrix Spike (1HC1422-MS1)

Source: 1HC1004-09

Prepared: 03/26/24 12:11 Analyzed: 03/26/24 16:09

|            |       |     |      |      |    |     |        |  |  |  |
|------------|-------|-----|------|------|----|-----|--------|--|--|--|
| Isobutanol | 26.86 | 1.0 | mg/L | 26.0 | ND | 103 | 63-135 |  |  |  |
|------------|-------|-----|------|------|----|-----|--------|--|--|--|

Matrix Spike Dup (1HC1422-MSD1)

Source: 1HC1004-09

Prepared: 03/26/24 12:11 Analyzed: 03/26/24 16:47

|            |       |     |      |      |    |      |        |      |    |  |
|------------|-------|-----|------|------|----|------|--------|------|----|--|
| Isobutanol | 22.81 | 1.0 | mg/L | 26.0 | ND | 87.7 | 63-135 | 16.3 | 30 |  |
|------------|-------|-----|------|------|----|------|--------|------|----|--|



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1HC1004

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|----|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC1026 - 3520C BNA Cont Liq - EPA 8270C</b>    |        |    |       |   |               |      |             |     |           |       |
| <b>Blank (1HC1026-BLK1)</b>                              |        |    |       | Prepared: 03/19/24 14:09 Analyzed: 03/27/24 12:43 |               |      |             |     |           |       |
| 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  |   |               |      |             |     |           |       |
| 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  |   |               |      |             |     |           |       |



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1HC1004

| Determination of<br>Base/Neutral/Acid<br>Extractable Compounds | Result | RL | Units | Spike<br>Level                                    | Source<br>Result | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|--|--------|----|-------|---|------------------|----------------|-----|--------------|-------|
| <b>Batch 1HC1026 - 3520C BNA Cont Liq - EPA 8270C</b>          |        |    |       |   |                  |                |     |              |       |
| <b>Blank (1HC1026-BLK1)</b>                                    |        |    |       | Prepared: 03/19/24 14:09 Analyzed: 03/27/24 12:43 |                  |                |     |              |       |
| 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  |   |                  |                |     |              |       |
| 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  |   |                  |                |     |              |       |

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| Determination of<br>Base/Neutral/Acid<br>Extractable Compounds | Result | RL | Units | Spike<br>Level | Source<br>Result | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|--|--------|----|-------|----------------|------------------|----------------|-----|--------------|-------|
|--|--------|----|-------|----------------|------------------|----------------|-----|--------------|-------|

Batch 1HC1026 - 3520C BNA Cont Liq - EPA 8270C

Blank (1HC1026-BLK1)

Prepared: 03/19/24 14:09 Analyzed: 03/27/24 12:43

|                                  |    |   |      |  |  |  |  |  |  |
|----------------------------------|----|---|------|--|--|--|--|--|--|
| 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 |  |  |  |  |  |  |
| 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       | 35.6 |  | ug/L | 61.6 |  | 57.7 | 24-136 |  |  |
| Surrogate: Phenol-d6            | 35.7 |  | ug/L | 63.5 |  | 56.2 | 15-140 |  |  |
| Surrogate: Nitrobenzene-d5      | 36.9 |  | ug/L | 62.6 |  | 58.9 | 29-130 |  |  |
| Surrogate: 2-Fluorobiphenyl     | 37.2 |  | ug/L | 60.0 |  | 62.0 | 23-113 |  |  |
| Surrogate: 2,4,6-Tribromophenol | 44.4 |  | ug/L | 62.0 |  | 71.7 | 15-139 |  |  |
| Surrogate: Terphenyl-d14        | 44.7 |  | ug/L | 60.0 |  | 74.5 | 27-141 |  |  |

LCS (1HC1026-BS1)

Prepared: 03/19/24 14:09 Analyzed: 03/27/24 13:33

|                             |      |   |      |      |  |      |        |  |  |
|-----------------------------|------|---|------|------|--|------|--------|--|--|
| N-Nitrosodimethylamine      | 15.3 | 8 | ug/L | 21.4 |  | 71.5 | 36-138 |  |  |
| Methyl Methanesulfonate     | 31.2 | 8 | ug/L | 50.0 |  | 62.5 | 22-114 |  |  |
| N-Nitrosodiethylamine       | 33.9 | 8 | ug/L | 50.0 |  | 67.9 | 52-114 |  |  |
| N-Nitrosomethylethylamine   | 34.1 | 8 | ug/L | 50.0 |  | 68.2 | 36-120 |  |  |
| Ethyl Methanesulfonate      | 30.2 | 8 | ug/L | 50.0 |  | 60.3 | 46-110 |  |  |
| Phenol                      | 18.3 | 8 | ug/L | 21.4 |  | 85.6 | 50-112 |  |  |
| Bis(2-Chloroethyl) Ether    | 16.8 | 8 | ug/L | 21.4 |  | 78.8 | 39-151 |  |  |
| 2-Chlorophenol              | 18.4 | 8 | ug/L | 21.4 |  | 85.8 | 56-116 |  |  |
| Benzyl Alcohol              | 17.0 | 8 | ug/L | 21.4 |  | 79.2 | 13-158 |  |  |
| 2-Methylphenol (o-Cresol)   | 17.7 | 8 | ug/L | 21.4 |  | 82.8 | 53-131 |  |  |
| Bis[2-Chloroisopropyl]ether | 17.5 | 8 | ug/L | 21.4 |  | 81.9 | 50-121 |  |  |
| n-Nitroso-di-n-propylamine  | 16.5 | 8 | ug/L | 21.4 |  | 77.0 | 50-138 |  |  |
| N-Nitrosopyrrolidine        | 32.0 | 8 | ug/L | 50.0 |  | 64.1 | 31-118 |  |  |
| Acetophenone                | 35.4 | 8 | ug/L | 50.0 |  | 70.8 | 45-104 |  |  |
| o-Toluidine                 | <8   | 8 | ug/L | 50.0 |  | 12.8 | 10-163 |  |  |
| (3 & 4)-Methylphenol        | 18.5 | 8 | ug/L | 21.4 |  | 86.4 | 30-164 |  |  |
| Hexachloroethane            | 12.3 | 8 | ug/L | 21.4 |  | 57.5 | 10-110 |  |  |
| Nitrobenzene                | 18.3 | 8 | ug/L | 21.4 |  | 85.3 | 47-134 |  |  |
| N-Nitrosopiperidine         | 36.0 | 8 | ug/L | 50.0 |  | 72.0 | 51-122 |  |  |

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| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|----|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC1026 - 3520C BNA Cont Liq - EPA 8270C</b>    |        |    |       |   |               |      |             |     |           |       |
| <b>LCS (1HC1026-BS1)</b>                                 |        |    |       |   |               |      |             |     |           |       |
|  |        |    |       | Prepared: 03/19/24 14:09 Analyzed: 03/27/24 13:33 |               |      |             |     |           |       |
| Isophorone   | 18.2   | 8  | ug/L  | 21.4  |               | 85.2 | 54-128      |     |           |       |
| 2-Nitrophenol  | 21.2   | 8  | ug/L  | 21.4  |               | 99.1 | 54-117      |     |           |       |
| 2,4-Dimethylphenol                                       | 19.9   | 8  | ug/L  | 21.4  |               | 93.1 | 52-118      |     |           |       |
| Bis (2-Chloroethoxy) Methane                             | 15.9   | 8  | ug/L  | 21.4  |               | 74.2 | 13-132      |     |           |       |
| 2,4-Dichlorophenol                                       | 20.6   | 8  | ug/L  | 21.4  |               | 96.5 | 58-114      |     |           |       |
| Naphthalene  | 16.4   | 8  | ug/L  | 21.4  |               | 76.7 | 37-116      |     |           |       |
| 2,6-Dichlorophenol                                       | 41.8   | 8  | ug/L  | 50.0  |               | 83.5 | 52-129      |     |           |       |
| Hexachloropropene  | 28.6   | 8  | ug/L  | 50.0  |               | 57.2 | 14-110      |     |           |       |
| Hexachlorobutadiene                                      | 15.4   | 8  | ug/L  | 21.4  |               | 72.2 | 14-110      |     |           |       |
| N-Nitrosodi-n-butylamine                                 | 32.2   | 8  | ug/L  | 50.0  |               | 64.3 | 40-135      |     |           |       |
| 4-Chloro-3-methylphenol                                  | 21.6   | 8  | ug/L  | 21.4  |               | 101  | 57-136      |     |           |       |
| 2-Methylnaphthalene                                      | 18.1   | 8  | ug/L  | 21.4  |               | 84.5 | 44-111      |     |           |       |
| Isosafrole   | 37.7   | 8  | ug/L  | 50.0  |               | 75.3 | 49-107      |     |           |       |
| 1,2,4,5-Tetrachlorobenzene                               | 30.1   | 8  | ug/L  | 50.0  |               | 60.1 | 42-110      |     |           |       |
| Hexachlorocyclopentadiene                                | 16.5   | 8  | ug/L  | 21.4  |               | 77.2 | 11-110      |     |           |       |
| 2,4,6-Trichlorophenol                                    | 22.9   | 8  | ug/L  | 21.4  |               | 107  | 55-120      |     |           |       |
| 2,4,5-Trichlorophenol                                    | 23.2   | 8  | ug/L  | 21.4  |               | 108  | 55-121      |     |           |       |
| Safrole  | 37.6   | 8  | ug/L  | 50.0  |               | 75.1 | 40-118      |     |           |       |
| 2-Chloronaphthalene                                      | 24.4   | 8  | ug/L  | 21.4  |               | 114  | 47-127      |     |           |       |
| 2-Nitroaniline   | 21.5   | 8  | ug/L  | 21.4  |               | 100  | 36-143      |     |           |       |
| 1,4-Naphthoquinone                                       | 50.3   | 8  | ug/L  | 50.0  |               | 101  | 43-152      |     |           |       |
| Dimethylphthalate  | 21.9   | 8  | ug/L  | 21.4  |               | 102  | 59-128      |     |           |       |
| 1,3-Dinitrobenzene                                       | 21.5   | 8  | ug/L  | 21.4  |               | 101  | 63-125      |     |           |       |
| 1,2-Dinitrobenzene                                       | 22.7   | 8  | ug/L  | 21.4  |               | 106  | 63-123      |     |           |       |
| 2,6-Dinitrotoluene                                       | 21.7   | 8  | ug/L  | 21.4  |               | 101  | 60-127      |     |           |       |
| Acenaphthylene   | 19.4   | 8  | ug/L  | 21.4  |               | 90.9 | 49-113      |     |           |       |
| Acenaphthene   | 19.8   | 8  | ug/L  | 21.4  |               | 92.5 | 50-119      |     |           |       |
| 2,4-Dinitrophenol  | 16.2   | 8  | ug/L  | 21.4  |               | 76.0 | 27-157      |     |           |       |
| 4-Nitrophenol  | 22.6   | 8  | ug/L  | 21.4  |               | 106  | 49-154      |     |           |       |
| Dibenzofuran   | 20.2   | 8  | ug/L  | 21.4  |               | 94.6 | 56-121      |     |           |       |
| 2,4-Dinitrotoluene                                       | 21.2   | 8  | ug/L  | 21.4  |               | 98.9 | 53-138      |     |           |       |
| 2,3,4,6-Tetrachlorophenol                                | 20.8   | 8  | ug/L  | 21.4  |               | 97.4 | 47-132      |     |           |       |
| Pentachlorobenzene                                       | 44.6   | 8  | ug/L  | 50.0  |               | 89.2 | 41-125      |     |           |       |
| Diethyl Phthalate  | 22.3   | 8  | ug/L  | 21.4  |               | 104  | 53-138      |     |           |       |
| Fluorene   | 20.8   | 8  | ug/L  | 21.4  |               | 97.3 | 54-125      |     |           |       |
| 4-Chlorophenyl Phenyl Ether                              | 20.8   | 8  | ug/L  | 21.4  |               | 97.5 | 51-122      |     |           |       |
| 4-Nitroaniline   | 10.0   | 8  | ug/L  | 21.4  |               | 46.6 | 10-136      |     |           |       |
| 5-Nitro-o-toluidine                                      | 8.5    | 8  | ug/L  | 50.0  |               | 16.9 | 10-145      |     |           |       |
| 4,6-Dinitro-2-methylphenol                               | 19.0   | 8  | ug/L  | 21.4  |               | 88.9 | 49-137      |     |           |       |
| N-Nitrosodiphenylamine                                   | 20.3   | 8  | ug/L  | 21.4  |               | 94.7 | 25-138      |     |           |       |
| Diphenylamine  | 20.3   | 8  | ug/L  | 21.4  |               | 94.7 | 35-151      |     |           |       |
| Azobenzene   | 22.0   | 8  | ug/L  | 21.4  |               | 103  | 16-156      |     |           |       |

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1HC1004

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|--------|----|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HC1026 - 3520C BNA Cont Liq - EPA 8270C</b>    |        |    |       |   |               |      |             |       |           |       |
| <b>LCS (1HC1026-BS1)</b>                                 |        |    |       |   |               |      |             |       |           |       |
|  |        |    |       | Prepared: 03/19/24 14:09 Analyzed: 03/27/24 13:33 |               |      |             |       |           |       |
| Diallate   | 46.7   | 8  | ug/L  | 50.0  |               | 93.4 | 54-132      |       |           |       |
| 1,3,5-Trinitrobenzene                                    | 34.8   | 8  | ug/L  | 50.0  |               | 69.7 | 57-173      |       |           |       |
| Phenacetin   | 46.9   | 8  | ug/L  | 50.0  |               | 93.7 | 55-121      |       |           |       |
| 4-Bromophenyl Phenyl Ether                               | 23.0   | 8  | ug/L  | 21.4  |               | 108  | 53-122      |       |           |       |
| Pentachlorophenol  | 13.6   | 8  | ug/L  | 21.4  |               | 63.6 | 18-152      |       |           |       |
| Pronamide  | 42.9   | 8  | ug/L  | 50.0  |               | 85.9 | 42-122      |       |           |       |
| Pentachloronitrobenzene (PCNB)                           | 51.5   | 8  | ug/L  | 50.0  |               | 103  | 50-128      |       |           |       |
| Phenanthrene   | 22.3   | 8  | ug/L  | 21.4  |               | 104  | 59-131      |       |           |       |
| Anthracene   | 22.1   | 8  | ug/L  | 21.4  |               | 103  | 59-127      |       |           |       |
| Di-n-butyl Phthalate                                     | 23.4   | 8  | ug/L  | 21.4  |               | 109  | 64-148      |       |           |       |
| Fluoranthene   | 22.7   | 8  | ug/L  | 21.4  |               | 106  | 62-132      |       |           |       |
| Isodrin  | 51.4   | 8  | ug/L  | 50.0  |               | 103  | 46-130      |       |           |       |
| Chlorobenzilate  | 50.2   | 8  | ug/L  | 50.0  |               | 100  | 48-150      |       |           |       |
| Pyrene   | 25.9   | 8  | ug/L  | 21.4  |               | 121  | 58-135      |       |           |       |
| p-(Dimethylamino)azobenzene                              | 34.1   | 8  | ug/L  | 50.0  |               | 68.2 | 28-146      |       |           |       |
| Butyl Benzyl Phthalate                                   | 23.4   | 8  | ug/L  | 21.4  |               | 109  | 52-150      |       |           |       |
| Benzo(a)anthracene                                       | 22.4   | 8  | ug/L  | 21.4  |               | 105  | 58-131      |       |           |       |
| Chrysene   | 23.0   | 8  | ug/L  | 21.4  |               | 107  | 59-131      |       |           |       |
| Bis(2-Ethylhexyl) Phthalate                              | 28.3   | 6  | ug/L  | 21.4  |               | 132  | 33-184      |       |           |       |
| Kepon  | 56.9   | 8  | ug/L  | 50.0  |               | 114  | 10-134      |       |           |       |
| 2-Acetylaminofluorene                                    | 53.8   | 8  | ug/L  | 50.0  |               | 108  | 47-166      |       |           |       |
| Di-n-octyl Phthalate                                     | 26.1   | 8  | ug/L  | 21.4  |               | 122  | 48-162      |       |           |       |
| Benzo(b)Fluoranthene                                     | 24.7   | 8  | ug/L  | 21.4  |               | 115  | 50-146      |       |           |       |
| 7,12-Dimethylbenz [a] anthracene                         | 45.5   | 8  | ug/L  | 50.0  |               | 91.0 | 22-155      |       |           |       |
| Benzo(k)Fluoranthene                                     | 24.1   | 8  | ug/L  | 21.4  |               | 113  | 54-144      |       |           |       |
| Benzo(a)Pyrene   | 22.7   | 8  | ug/L  | 21.4  |               | 106  | 39-148      |       |           |       |
| 3-Methylcholanthrene                                     | 40.6   | 8  | ug/L  | 50.0  |               | 81.3 | 34-118      |       |           |       |
| Dibenzo(a,h)anthracene                                   | 18.8   | 8  | ug/L  | 21.4  |               | 87.7 | 46-153      |       |           |       |
| Indeno(1,2,3-cd)Pyrene                                   | 18.9   | 8  | ug/L  | 21.4  |               | 88.4 | 48-152      |       |           |       |
| Benzo(g,h,i)perylene                                     | 17.8   | 8  | ug/L  | 21.4  |               | 83.3 | 47-161      |       |           |       |
| <i>Surrogate: 2-Fluorophenol</i>                         |        |    |       |   |               |      |             |       |           |       |
|  | 38.4   |    | ug/L  | 61.6  |               | 62.3 | 24-136      |       |           |       |
| <i>Surrogate: Phenol-d6</i>                              |        |    |       |   |               |      |             |       |           |       |
|  | 39.8   |    | ug/L  | 63.5  |               | 62.7 | 15-140      |       |           |       |
| <i>Surrogate: Nitrobenzene-d5</i>                        |        |    |       |   |               |      |             |       |           |       |
|  | 42.0   |    | ug/L  | 62.6  |               | 67.0 | 38-115      |       |           |       |
| <i>Surrogate: 2-Fluorobiphenyl</i>                       |        |    |       |   |               |      |             |       |           |       |
|  | 42.6   |    | ug/L  | 60.0  |               | 71.0 | 33-110      |       |           |       |
| <i>Surrogate: 2,4,6-Tribromophenol</i>                   |        |    |       |   |               |      |             |       |           |       |
|  | 52.5   |    | ug/L  | 62.0  |               | 84.7 | 15-139      |       |           |       |
| <i>Surrogate: Terphenyl-d14</i>                          |        |    |       |   |               |      |             |       |           |       |
|  | 59.9   |    | ug/L  | 60.0  |               | 99.7 | 30-142      |       |           |       |
| <b>LCS Dup (1HC1026-BS1)</b>                             |        |    |       |   |               |      |             |       |           |       |
|  |        |    |       | Prepared: 03/19/24 14:09 Analyzed: 03/27/24 13:57 |               |      |             |       |           |       |
| N-Nitrosodimethylamine                                   | 15.4   | 8  | ug/L  | 21.4  |               | 71.8 | 36-138      | 0.522 | 30        |       |
| Methyl Methanesulfonate                                  | 31.7   | 8  | ug/L  | 50.0  |               | 63.4 | 22-114      | 1.43  | 23        |       |
| N-Nitrosodiethylamine                                    | 33.8   | 8  | ug/L  | 50.0  |               | 67.6 | 52-114      | 0.413 | 18        |       |
| N-Nitrosomethylethylamine                                | 34.7   | 8  | ug/L  | 50.0  |               | 69.4 | 36-120      | 1.69  | 22        |       |
| Ethyl Methanesulfonate                                   | 30.6   | 8  | ug/L  | 50.0  |               | 61.1 | 46-110      | 1.32  | 24        |       |

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1HC1004

| Determination of<br>Base/Neutral/Acid<br>Extractable Compounds | Result | RL | Units | Spike<br>Level                                    | Source<br>Result | %REC<br>Limits | RPD    | RPD<br>Limit | Notes |
|--|--------|----|-------|---|------------------|----------------|--------|--------------|-------|
| <b>Batch 1HC1026 - 3520C BNA Cont Liq - EPA 8270C</b>          |        |    |       |   |                  |                |        |              |       |
| <b>LCS Dup (1HC1026-BSD1)</b>                                  |        |    |       | Prepared: 03/19/24 14:09 Analyzed: 03/27/24 13:57 |                  |                |        |              |       |
| Phenol   | 17.1   | 8  | ug/L  | 21.4  |                  | 79.8 50-112    | 6.95   | 28           |       |
| Bis(2-Chloroethyl) Ether                                       | 16.3   | 8  | ug/L  | 21.4  |                  | 76.0 39-151    | 3.56   | 30           |       |
| 2-Chlorophenol   | 18.3   | 8  | ug/L  | 21.4  |                  | 85.3 56-116    | 0.546  | 22           |       |
| Benzyl Alcohol   | 17.6   | 8  | ug/L  | 21.4  |                  | 82.2 13-158    | 3.71   | 30           |       |
| 2-Methylphenol (o-Cresol)                                      | 17.5   | 8  | ug/L  | 21.4  |                  | 81.9 53-131    | 1.02   | 25           |       |
| Bis[2-Chloroisopropyl]ether                                    | 17.2   | 8  | ug/L  | 21.4  |                  | 80.3 50-121    | 2.07   | 25           |       |
| n-Nitroso-di-n-propylamine                                     | 16.7   | 8  | ug/L  | 21.4  |                  | 78.2 50-138    | 1.57   | 30           |       |
| N-Nitrosopyrrolidine   | 32.5   | 8  | ug/L  | 50.0  |                  | 65.0 31-118    | 1.36   | 30           |       |
| Acetophenone   | 36.0   | 8  | ug/L  | 50.0  |                  | 72.0 45-104    | 1.62   | 30           |       |
| o-Toluidine  | <8     | 8  | ug/L  | 50.0  |                  | 13.1 10-163    | 2.17   | 30           |       |
| (3 & 4)-Methylphenol   | 18.8   | 8  | ug/L  | 21.4  |                  | 88.0 30-164    | 1.82   | 30           |       |
| Hexachloroethane   | 11.1   | 8  | ug/L  | 21.4  |                  | 52.0 10-110    | 10.1   | 37           |       |
| Nitrobenzene   | 18.7   | 8  | ug/L  | 21.4  |                  | 87.3 47-134    | 2.27   | 28           |       |
| N-Nitrosopiperidine  | 36.9   | 8  | ug/L  | 50.0  |                  | 73.8 51-122    | 2.50   | 30           |       |
| Isophorone   | 18.3   | 8  | ug/L  | 21.4  |                  | 85.6 54-128    | 0.547  | 22           |       |
| 2-Nitrophenol  | 21.1   | 8  | ug/L  | 21.4  |                  | 98.8 54-117    | 0.283  | 21           |       |
| 2,4-Dimethylphenol   | 20.1   | 8  | ug/L  | 21.4  |                  | 93.9 52-118    | 0.850  | 23           |       |
| Bis (2-Chloroethoxy) Methane                                   | 12.9   | 8  | ug/L  | 21.4  |                  | 60.5 13-132    | 20.4   | 30           |       |
| 2,4-Dichlorophenol   | 21.5   | 8  | ug/L  | 21.4  |                  | 100 58-114     | 3.94   | 20           |       |
| Naphthalene  | 16.0   | 8  | ug/L  | 21.4  |                  | 75.0 37-116    | 2.16   | 17           |       |
| 2,6-Dichlorophenol   | 43.5   | 8  | ug/L  | 50.0  |                  | 86.9 52-129    | 3.99   | 16           |       |
| Hexachloropropene  | 22.4   | 8  | ug/L  | 50.0  |                  | 44.7 14-110    | 24.6   | 29           |       |
| Hexachlorobutadiene  | 13.3   | 8  | ug/L  | 21.4  |                  | 62.2 14-110    | 14.8   | 29           |       |
| N-Nitrosodi-n-butylamine                                       | 33.5   | 8  | ug/L  | 50.0  |                  | 66.9 40-135    | 4.02   | 23           |       |
| 4-Chloro-3-methylphenol  | 22.7   | 8  | ug/L  | 21.4  |                  | 106 57-136     | 4.97   | 18           |       |
| 2-Methylnaphthalene  | 17.9   | 8  | ug/L  | 21.4  |                  | 83.8 44-111    | 0.834  | 20           |       |
| Isosafrole   | 35.5   | 8  | ug/L  | 50.0  |                  | 71.0 49-107    | 5.93   | 12           |       |
| 1,2,4,5-Tetrachlorobenzene                                     | 27.4   | 8  | ug/L  | 50.0  |                  | 54.9 42-110    | 9.08   | 30           |       |
| Hexachlorocyclopentadiene                                      | 14.9   | 8  | ug/L  | 21.4  |                  | 69.7 11-110    | 10.1   | 29           |       |
| 2,4,6-Trichlorophenol  | 22.1   | 8  | ug/L  | 21.4  |                  | 103 55-120     | 3.42   | 15           |       |
| 2,4,5-Trichlorophenol  | 23.2   | 8  | ug/L  | 21.4  |                  | 108 55-121     | 0.0432 | 16           |       |
| Safrole  | 33.4   | 8  | ug/L  | 50.0  |                  | 66.8 40-118    | 11.7   | 30           |       |
| 2-Chloronaphthalene  | 23.9   | 8  | ug/L  | 21.4  |                  | 112 47-127     | 2.19   | 17           |       |
| 2-Nitroaniline   | 21.1   | 8  | ug/L  | 21.4  |                  | 98.4 36-143    | 1.97   | 30           |       |
| 1,4-Naphthoquinone   | 44.2   | 8  | ug/L  | 50.0  |                  | 88.5 43-152    | 12.8   | 30           |       |
| Dimethylphthalate  | 21.1   | 8  | ug/L  | 21.4  |                  | 98.7 59-128    | 3.49   | 15           |       |
| 1,3-Dinitrobenzene   | 20.5   | 8  | ug/L  | 21.4  |                  | 96.0 63-125    | 4.71   | 14           |       |
| 1,2-Dinitrobenzene   | 22.0   | 8  | ug/L  | 21.4  |                  | 103 63-123     | 3.45   | 18           |       |
| 2,6-Dinitrotoluene   | 21.3   | 8  | ug/L  | 21.4  |                  | 99.4 60-127    | 1.91   | 13           |       |
| Acenaphthylene   | 18.0   | 8  | ug/L  | 21.4  |                  | 83.9 49-113    | 8.02   | 23           |       |
| Acenaphthene   | 19.1   | 8  | ug/L  | 21.4  |                  | 89.4 50-119    | 3.44   | 16           |       |
| 2,4-Dinitrophenol  | 12.4   | 8  | ug/L  | 21.4  |                  | 58.0 27-157    | 26.9   | 23           | QR-02 |

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1HC1004

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|--------|----|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HC1026 - 3520C BNA Cont Liq - EPA 8270C</b>    |        |    |       |   |               |      |             |       |           |       |
| <b>LCS Dup (1HC1026-BSD1)</b>                            |        |    |       | Prepared: 03/19/24 14:09 Analyzed: 03/27/24 13:57 |               |      |             |       |           |       |
| 4-Nitrophenol  | 23.7   | 8  | ug/L  | 21.4  |               | 111  | 49-154      | 4.71  | 28        |       |
| Dibenzofuran   | 19.3   | 8  | ug/L  | 21.4  |               | 90.2 | 56-121      | 4.71  | 18        |       |
| 2,4-Dinitrotoluene                                       | 21.0   | 8  | ug/L  | 21.4  |               | 98.1 | 53-138      | 0.807 | 18        |       |
| 2,3,4,6-Tetrachlorophenol                                | 22.0   | 8  | ug/L  | 21.4  |               | 103  | 47-132      | 5.24  | 29        |       |
| Pentachlorobenzene                                       | 43.1   | 8  | ug/L  | 50.0  |               | 86.1 | 41-125      | 3.54  | 22        |       |
| Diethyl Phthalate  | 21.6   | 8  | ug/L  | 21.4  |               | 101  | 53-138      | 2.91  | 18        |       |
| Fluorene   | 20.0   | 8  | ug/L  | 21.4  |               | 93.5 | 54-125      | 3.97  | 14        |       |
| 4-Chlorophenyl Phenyl Ether                              | 20.4   | 8  | ug/L  | 21.4  |               | 95.2 | 51-122      | 2.33  | 15        |       |
| 4-Nitroaniline   | 8.4    | 8  | ug/L  | 21.4  |               | 39.3 | 10-136      | 17.0  | 30        |       |
| 5-Nitro-o-toluidine                                      | <8     | 8  | ug/L  | 50.0  |               | 13.9 | 10-145      | 20.0  | 30        |       |
| 4,6-Dinitro-2-methylphenol                               | 18.8   | 8  | ug/L  | 21.4  |               | 87.9 | 49-137      | 1.16  | 16        |       |
| N-Nitrosodiphenylamine                                   | 17.8   | 8  | ug/L  | 21.4  |               | 83.2 | 25-138      | 13.0  | 30        |       |
| Diphenylamine  | 17.8   | 8  | ug/L  | 21.4  |               | 83.2 | 35-151      | 13.0  | 30        |       |
| Azobenzene   | 20.6   | 8  | ug/L  | 21.4  |               | 96.0 | 16-156      | 6.59  | 30        |       |
| Diallate   | 46.4   | 8  | ug/L  | 50.0  |               | 92.8 | 54-132      | 0.666 | 25        |       |
| 1,3,5-Trinitrobenzene                                    | 37.4   | 8  | ug/L  | 50.0  |               | 74.8 | 57-173      | 7.14  | 30        |       |
| Phenacetin   | 46.7   | 8  | ug/L  | 50.0  |               | 93.3 | 55-121      | 0.428 | 30        |       |
| 4-Bromophenyl Phenyl Ether                               | 22.2   | 8  | ug/L  | 21.4  |               | 104  | 53-122      | 3.89  | 16        |       |
| Pentachlorophenol  | 14.2   | 8  | ug/L  | 21.4  |               | 66.3 | 18-152      | 4.10  | 30        |       |
| Pronamide  | 41.5   | 8  | ug/L  | 50.0  |               | 83.0 | 42-122      | 3.41  | 30        |       |
| Pentachloronitrobenzene (PCNB)                           | 50.9   | 8  | ug/L  | 50.0  |               | 102  | 50-128      | 1.17  | 18        |       |
| Phenanthrene   | 21.5   | 8  | ug/L  | 21.4  |               | 101  | 59-131      | 3.74  | 16        |       |
| Anthracene   | 20.9   | 8  | ug/L  | 21.4  |               | 97.7 | 59-127      | 5.67  | 16        |       |
| Di-n-butyl Phthalate                                     | 23.0   | 8  | ug/L  | 21.4  |               | 107  | 64-148      | 1.90  | 30        |       |
| Fluoranthene   | 22.5   | 8  | ug/L  | 21.4  |               | 105  | 62-132      | 0.841 | 16        |       |
| Isodrin  | 48.6   | 8  | ug/L  | 50.0  |               | 97.1 | 46-130      | 5.74  | 29        |       |
| Chlorobenzilate  | 49.6   | 8  | ug/L  | 50.0  |               | 99.1 | 48-150      | 1.34  | 30        |       |
| Pyrene   | 23.7   | 8  | ug/L  | 21.4  |               | 111  | 58-135      | 9.11  | 18        |       |
| p-(Dimethylamino)azobenzene                              | 26.6   | 8  | ug/L  | 50.0  |               | 53.3 | 28-146      | 24.6  | 30        |       |
| Butyl Benzyl Phthalate                                   | 22.4   | 8  | ug/L  | 21.4  |               | 105  | 52-150      | 4.37  | 30        |       |
| Benzo(a)anthracene                                       | 21.7   | 8  | ug/L  | 21.4  |               | 101  | 58-131      | 3.04  | 30        |       |
| Chrysene   | 22.0   | 8  | ug/L  | 21.4  |               | 103  | 59-131      | 4.44  | 30        |       |
| Bis(2-Ethylhexyl) Phthalate                              | 26.7   | 6  | ug/L  | 21.4  |               | 125  | 33-184      | 5.93  | 30        |       |
| Kepone   | 71.6   | 8  | ug/L  | 50.0  |               | 143  | 10-134      | 22.8  | 30        | QS-02 |
| 2-Acetylaminofluorene                                    | 53.5   | 8  | ug/L  | 50.0  |               | 107  | 47-166      | 0.597 | 30        |       |
| Di-n-octyl Phthalate                                     | 25.8   | 8  | ug/L  | 21.4  |               | 120  | 48-162      | 1.20  | 30        |       |
| Benzo(b)Fluoranthene                                     | 24.0   | 8  | ug/L  | 21.4  |               | 112  | 50-146      | 2.71  | 30        |       |
| 7,12-Dimethylbenz [a] anthracene                         | 43.0   | 8  | ug/L  | 50.0  |               | 85.9 | 22-155      | 5.77  | 30        |       |
| Benzo(k)Fluoranthene                                     | 23.9   | 8  | ug/L  | 21.4  |               | 112  | 54-144      | 0.833 | 30        |       |
| Benzo(a)Pyrene   | 22.2   | 8  | ug/L  | 21.4  |               | 104  | 39-148      | 2.05  | 30        |       |
| 3-Methylcholanthrene                                     | 38.9   | 8  | ug/L  | 50.0  |               | 77.8 | 34-118      | 4.35  | 30        |       |
| Dibenzo(a,h)anthracene                                   | 18.8   | 8  | ug/L  | 21.4  |               | 87.8 | 46-153      | 0.106 | 30        |       |

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| Determination of                                      | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Base/Neutral/Acid Extractable Compounds</b>        |        |    |       |             |               |      |             |     |           |       |
| <b>Batch 1HC1026 - 3520C BNA Cont Liq - EPA 8270C</b> |        |    |       |             |               |      |             |     |           |       |

| LCS Dup (1HC1026-BSD1)                 |      |   |      | Prepared: 03/19/24 14:09 Analyzed: 03/27/24 13:57 |  |      |        |       |    |  |
|--|------|---|------|---|--|------|--------|-------|----|--|
| Indeno(1,2,3-cd)Pyrene                 | 19.0 | 8 | ug/L | 21.4  |  | 88.9 | 48-152 | 0.475 | 30 |  |
| Benzo(g,h,i)perylene                   | 18.2 | 8 | ug/L | 21.4  |  | 84.8 | 47-161 | 1.78  | 30 |  |
| <i>Surrogate: 2-Fluorophenol</i>       | 37.8 |   | ug/L | 61.6  |  | 61.3 | 24-136 |       |    |  |
| <i>Surrogate: Phenol-d6</i>            | 39.5 |   | ug/L | 63.5  |  | 62.2 | 15-140 |       |    |  |
| <i>Surrogate: Nitrobenzene-d5</i>      | 42.7 |   | ug/L | 62.6  |  | 68.2 | 38-115 |       |    |  |
| <i>Surrogate: 2-Fluorobiphenyl</i>     | 39.7 |   | ug/L | 60.0  |  | 66.2 | 33-110 |       |    |  |
| <i>Surrogate: 2,4,6-Tribromophenol</i> | 51.4 |   | ug/L | 62.0  |  | 82.9 | 15-139 |       |    |  |
| <i>Surrogate: Terphenyl-d14</i>        | 54.6 |   | ug/L | 60.0  |  | 90.9 | 30-142 |       |    |  |

| Determination of                                      | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Organophosphorus Insecticides</b>                  |        |    |       |             |               |      |             |     |           |       |
| <b>Batch 1HC1019 - 3510C NP/OC Sep Fnl - EPA 8141</b> |        |    |       |             |               |      |             |     |           |       |

| Blank (1HC1019-BLK1)            |      |     |      | Prepared: 03/19/24 12:45 Analyzed: 04/01/24 12:22 |  |  |  |  |  |  |
|---------------------------------|------|-----|------|---|--|--|--|--|--|--|
| 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 |   |  |  |  |  |  |  |

| LCS (1HC1019-BS1)               |      |     |      | Prepared: 03/19/24 12:45 Analyzed: 04/01/24 14:18 |  |      |        |  |  |  |
|---------------------------------|------|-----|------|---|--|------|--------|--|--|--|
| O,O,O-Triethyl phosphorothioate | 3.18 | 0.4 | ug/L | 4.02  |  | 78.9 | 42-115 |  |  |  |
| Thionazin                       | 3.37 | 0.4 | ug/L | 4.03  |  | 83.5 | 28-118 |  |  |  |
| Phorate                         | 3.82 | 0.4 | ug/L | 4.03  |  | 94.7 | 18-159 |  |  |  |
| Dimethoate                      | 5.19 | 0.4 | ug/L | 4.03  |  | 129  | 43-155 |  |  |  |
| Disulfoton                      | 3.06 | 0.4 | ug/L | 4.03  |  | 75.8 | 37-126 |  |  |  |
| Methyl Parathion                | 3.86 | 0.4 | ug/L | 4.04  |  | 95.7 | 28-145 |  |  |  |
| Parathion                       | 3.57 | 0.4 | ug/L | 4.00  |  | 89.2 | 52-121 |  |  |  |
| Famphur                         | 3.80 | 0.4 | ug/L | 4.02  |  | 94.5 | 44-144 |  |  |  |

|                                    |      |  |      |      |  |      |        |  |  |  |
|------------------------------------|------|--|------|------|--|------|--------|--|--|--|
| <i>Surrogate: 2-Nitro-m-xylene</i> | 7.80 |  | ug/L | 8.34 |  | 93.5 | 38-122 |  |  |  |
|------------------------------------|------|--|------|------|--|------|--------|--|--|--|

| LCS Dup (1HC1019-BSD1)          |      |     |      | Prepared: 03/19/24 12:45 Analyzed: 04/01/24 15:16 |  |      |        |      |    |  |
|---------------------------------|------|-----|------|---|--|------|--------|------|----|--|
| O,O,O-Triethyl phosphorothioate | 3.69 | 0.4 | ug/L | 4.02  |  | 91.7 | 42-115 | 15.0 | 30 |  |
| Thionazin                       | 4.00 | 0.4 | ug/L | 4.03  |  | 99.2 | 28-118 | 17.1 | 30 |  |
| Phorate                         | 4.26 | 0.4 | ug/L | 4.03  |  | 106  | 18-159 | 10.9 | 30 |  |
| Dimethoate                      | 5.52 | 0.4 | ug/L | 4.03  |  | 137  | 43-155 | 6.16 | 22 |  |



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1HC1004

| Determination of Organophosphorus Insecticides        | Result | RL  | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|---|--------|-----|-------|---|---------------|------|-------------|------|-----------|-------|
| <b>Batch 1HC1019 - 3510C NP/OC Sep Fnl - EPA 8141</b> |        |     |       |   |               |      |             |      |           |       |
| <b>LCS Dup (1HC1019-BSD1)</b>                         |        |     |       |   |               |      |             |      |           |       |
|   |        |     |       | Prepared: 03/19/24 12:45 Analyzed: 04/01/24 15:16 |               |      |             |      |           |       |
| Disulfoton  | 4.36   | 0.4 | ug/L  | 4.03  |               | 108  | 37-126      | 35.2 | 30        | QR-02 |
| Methyl Parathion                                      | 4.24   | 0.4 | ug/L  | 4.04  |               | 105  | 28-145      | 9.25 | 28        |       |
| Parathion   | 4.37   | 0.4 | ug/L  | 4.00  |               | 109  | 52-121      | 20.2 | 26        |       |
| Famphur   | 4.20   | 0.4 | ug/L  | 4.02  |               | 105  | 44-144      | 10.1 | 28        |       |

Surrogate: 2-Nitro-m-xylene 10.1 ug/L 8.34 122 38-122

| Determination of Chlorinated Phenoxy Herbicides | Result | RL  | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HC1011 - EPA 8151A - EPA 8151A</b>    |        |     |       |   |               |      |             |     |           |       |
| <b>Blank (1HC1011-BLK1)</b>                     |        |     |       |   |               |      |             |     |           |       |
|   |        |     |       | Prepared: 03/19/24 11:10 Analyzed: 03/25/24 23:47 |               |      |             |     |           |       |
| 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 1.63 ug/L 2.02 80.7 31-116

|                          |      |     |      |   |  |      |        |  |  |  |
|--------------------------|------|-----|------|---|--|------|--------|--|--|--|
| <b>LCS (1HC1011-BS1)</b> |      |     |      |   |  |      |        |  |  |  |
|                          |      |     |      | Prepared: 03/19/24 11:10 Analyzed: 03/26/24 00:52 |  |      |        |  |  |  |
| 2,4-D                    | <2.0 | 2.0 | ug/L | 1.15  |  | 107  | 16-161 |  |  |  |
| 2,4,5-TP (Silvex)        | 0.62 | 0.5 | ug/L | 0.575   |  | 109  | 35-141 |  |  |  |
| 2,4,5-T                  | 0.65 | 0.5 | ug/L | 0.575   |  | 113  | 54-149 |  |  |  |
| Dinoseb                  | 0.60 | 0.5 | ug/L | 1.15  |  | 52.2 | 10-133 |  |  |  |

Surrogate: 2,5-Dichlorobenzoic Acid 1.86 ug/L 2.02 92.1 31-116

|                               |      |     |      |   |  |      |        |      |    |  |
|-------------------------------|------|-----|------|---|--|------|--------|------|----|--|
| <b>LCS Dup (1HC1011-BSD1)</b> |      |     |      |   |  |      |        |      |    |  |
|                               |      |     |      | Prepared: 03/19/24 11:10 Analyzed: 03/26/24 01:25 |  |      |        |      |    |  |
| 2,4-D                         | <2.0 | 2.0 | ug/L | 1.15  |  | 103  | 16-161 | 3.73 | 30 |  |
| 2,4,5-TP (Silvex)             | 0.58 | 0.5 | ug/L | 0.575   |  | 102  | 35-141 | 6.61 | 30 |  |
| 2,4,5-T                       | 0.60 | 0.5 | ug/L | 0.575   |  | 104  | 54-149 | 8.00 | 30 |  |
| Dinoseb                       | 0.75 | 0.5 | ug/L | 1.15  |  | 65.2 | 10-133 | 22.2 | 30 |  |

Surrogate: 2,5-Dichlorobenzoic Acid 1.81 ug/L 2.02 89.6 31-116

| Determination of Organochlorine Insecticides & Metabolites | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 1HC1017 - 3510C NP/OC Sep Fnl - EPA 8081**

|                             |       |      |      |   |  |  |  |  |  |  |
|-----------------------------|-------|------|------|---|--|--|--|--|--|--|
| <b>Blank (1HC1017-BLK1)</b> |       |      |      |   |  |  |  |  |  |  |
|                             |       |      |      | Prepared: 03/19/24 12:40 Analyzed: 03/29/24 13:30 |  |  |  |  |  |  |
| 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 |   |  |  |  |  |  |  |



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1HC1004

| Determination of  | Result | RL   | Units   | Spike Level | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|---|--------|------|---|-------------|---------------|------|-------------|------|-----------|-------|
| <b>Determination of Organochlorine Insecticides &amp; Metabolites</b> |        |      |   |             |               |      |             |      |           |       |
| <b>Batch 1HC1017 - 3510C NP/OC Sep Fnl - EPA 8081</b>                 |        |      |   |             |               |      |             |      |           |       |
| <b>Blank (1HC1017-BLK1)</b>   |        |      | Prepared: 03/19/24 12:40 Analyzed: 03/29/24 13:30 |             |               |      |             |      |           |       |
| 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  |             |               |      |             |      |           |       |
| 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  |             |               |      |             |      |           |       |
| <i>Surrogate: Tetrachloro-m-xylene</i>                                | 0.564  |      | ug/L  | 0.600       |               | 94.0 | 10-121      |      |           |       |
| <b>LCS (1HC1017-BS1)</b>  |        |      | Prepared: 03/19/24 12:40 Analyzed: 03/29/24 13:45 |             |               |      |             |      |           |       |
| Alpha-BHC   | 0.222  | 0.05 | ug/L  | 0.250       |               | 88.7 | 33-123      |      |           |       |
| Gamma-BHC [Lindane]   | 0.215  | 0.05 | ug/L  | 0.250       |               | 86.1 | 34-120      |      |           |       |
| Beta-BHC  | 0.217  | 0.05 | ug/L  | 0.250       |               | 86.8 | 33-125      |      |           |       |
| Heptachlor  | 0.236  | 0.05 | ug/L  | 0.250       |               | 94.3 | 32-117      |      |           |       |
| Delta-BHC   | 0.246  | 0.05 | ug/L  | 0.250       |               | 98.6 | 24-140      |      |           |       |
| Aldrin  | 0.208  | 0.05 | ug/L  | 0.250       |               | 83.3 | 29-122      |      |           |       |
| Heptachlor Epoxide  | 0.217  | 0.05 | ug/L  | 0.250       |               | 86.9 | 37-137      |      |           |       |
| Endosulfan I  | 0.227  | 0.05 | ug/L  | 0.250       |               | 91.0 | 27-141      |      |           |       |
| 4,4'-DDE  | 0.221  | 0.05 | ug/L  | 0.250       |               | 88.4 | 38-147      |      |           |       |
| Dieldrin  | 0.207  | 0.05 | ug/L  | 0.250       |               | 82.7 | 32-137      |      |           |       |
| Endrin  | 0.275  | 0.05 | ug/L  | 0.250       |               | 110  | 25-142      |      |           |       |
| 4,4'-DDD  | 0.215  | 0.05 | ug/L  | 0.250       |               | 86.1 | 43-146      |      |           |       |
| Endosulfan II   | 0.229  | 0.05 | ug/L  | 0.250       |               | 91.7 | 36-140      |      |           |       |
| 4,4'-DDT  | 0.264  | 0.05 | ug/L  | 0.250       |               | 105  | 39-140      |      |           |       |
| Endrin Aldehyde   | 0.221  | 0.05 | ug/L  | 0.250       |               | 88.2 | 17-150      |      |           |       |
| Endosulfan Sulfate  | 0.227  | 0.05 | ug/L  | 0.250       |               | 91.0 | 41-135      |      |           |       |
| Methoxychlor  | 0.293  | 0.05 | ug/L  | 0.250       |               | 117  | 40-148      |      |           |       |
| <i>Surrogate: Tetrachloro-m-xylene</i>                                | 0.522  |      | ug/L  | 0.600       |               | 87.0 | 10-121      |      |           |       |
| <b>LCS Dup (1HC1017-BSD1)</b>   |        |      | Prepared: 03/19/24 12:40 Analyzed: 03/29/24 14:00 |             |               |      |             |      |           |       |
| Alpha-BHC   | 0.257  | 0.05 | ug/L  | 0.250       |               | 103  | 33-123      | 14.5 | 30        |       |
| Gamma-BHC [Lindane]   | 0.247  | 0.05 | ug/L  | 0.250       |               | 98.7 | 34-120      | 13.5 | 30        |       |

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1HC1004

| Determination of<br>Organochlorine Insecticides<br>& Metabolites | Result | RL   | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|--|--------|------|-------|----------------|------------------|------|----------------|------|--------------|-------|
| <b>Batch 1HC1017 - 3510C NP/OC Sep Fnl - EPA 8081</b>            |        |      |       |                |                  |      |                |      |              |       |
| <b>LCS Dup (1HC1017-BSD1)</b>                                    |        |      |       |                |                  |      |                |      |              |       |
| Prepared: 03/19/24 12:40 Analyzed: 03/29/24 14:00                |        |      |       |                |                  |      |                |      |              |       |
| Beta-BHC   | 0.248  | 0.05 | ug/L  | 0.250          |                  | 99.1 | 33-125         | 13.2 | 30           |       |
| Heptachlor   | 0.273  | 0.05 | ug/L  | 0.250          |                  | 109  | 32-117         | 14.7 | 30           |       |
| Delta-BHC  | 0.288  | 0.05 | ug/L  | 0.250          |                  | 115  | 24-140         | 15.5 | 30           |       |
| Aldrin   | 0.243  | 0.05 | ug/L  | 0.250          |                  | 97.2 | 29-122         | 15.5 | 30           |       |
| Heptachlor Epoxide   | 0.251  | 0.05 | ug/L  | 0.250          |                  | 101  | 37-137         | 14.6 | 30           |       |
| Endosulfan I   | 0.266  | 0.05 | ug/L  | 0.250          |                  | 107  | 27-141         | 15.8 | 30           |       |
| 4,4'-DDE   | 0.260  | 0.05 | ug/L  | 0.250          |                  | 104  | 38-147         | 16.3 | 30           |       |
| Dieldrin   | 0.243  | 0.05 | ug/L  | 0.250          |                  | 97.2 | 32-137         | 16.1 | 30           |       |
| Endrin   | 0.327  | 0.05 | ug/L  | 0.250          |                  | 131  | 25-142         | 17.2 | 30           |       |
| 4,4'-DDD   | 0.254  | 0.05 | ug/L  | 0.250          |                  | 102  | 43-146         | 16.6 | 30           |       |
| Endosulfan II  | 0.264  | 0.05 | ug/L  | 0.250          |                  | 106  | 36-140         | 14.0 | 30           |       |
| 4,4'-DDT   | 0.311  | 0.05 | ug/L  | 0.250          |                  | 124  | 39-140         | 16.4 | 30           |       |
| Endrin Aldehyde  | 0.239  | 0.05 | ug/L  | 0.250          |                  | 95.6 | 17-150         | 8.03 | 30           |       |
| Endosulfan Sulfate   | 0.266  | 0.05 | ug/L  | 0.250          |                  | 106  | 41-135         | 15.5 | 30           |       |
| Methoxychlor   | 0.348  | 0.05 | ug/L  | 0.250          |                  | 139  | 40-148         | 17.1 | 30           |       |

Surrogate: Tetrachloro-m-xylene

0.562

ug/L

0.600

93.6

10-121

| Determination of<br>Polychlorinated Biphenyls<br>(PCB) | Result | RL | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|--|--------|----|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|--|--------|----|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 1HC1018 - 3510C NP/OC Sep Fnl - EPA 8082

| <b>Blank (1HC1018-BLK1)</b>                       |       |      |      |  |  |  |  |  |  |  |
|---|-------|------|------|--|--|--|--|--|--|--|
| Prepared: 03/19/24 12:42 Analyzed: 03/29/24 13:30 |       |      |      |  |  |  |  |  |  |  |
| 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

0.607

ug/L

0.600

101

38-121

Surrogate: Decachlorobiphenyl

0.589

ug/L

0.600

98.2

25-119

| <b>LCS (1HC1018-BS1)</b>                          |       |      |      |      |  |      |        |  |  |  |
|---|-------|------|------|------|--|------|--------|--|--|--|
| Prepared: 03/19/24 12:42 Analyzed: 03/29/24 14:14 |       |      |      |      |  |      |        |  |  |  |
| Arochlor 1016                                     | 2.571 | 0.20 | ug/L | 2.60 |  | 98.9 | 25-126 |  |  |  |
| Arochlor 1260                                     | 2.748 | 0.20 | ug/L | 2.60 |  | 106  | 29-142 |  |  |  |

Surrogate: Tetrachloro-m-xylene

0.574

ug/L

0.600

95.6

38-121

Surrogate: Decachlorobiphenyl

0.518

ug/L

0.600

86.3

25-119

| <b>LCS Dup (1HC1018-BSD1)</b>                     |       |      |      |      |  |     |        |      |    |  |
|---|-------|------|------|------|--|-----|--------|------|----|--|
| Prepared: 03/19/24 12:42 Analyzed: 03/29/24 14:29 |       |      |      |      |  |     |        |      |    |  |
| Arochlor 1016                                     | 2.638 | 0.20 | ug/L | 2.60 |  | 101 | 25-126 | 2.58 | 30 |  |



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CERTIFICATE OF ANALYSIS

1HC1004

| Determination of Polychlorinated Biphenyls (PCB) | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HC1018 - 3510C NP/OC Sep Fnl - EPA 8082

| LCS Dup (1HC1018-BSD1)          |       |      |      |   |  |      |        |      |    |  |
|---------------------------------|-------|------|------|---|--|------|--------|------|----|--|
|                                 |       |      |      | Prepared: 03/19/24 12:42 Analyzed: 03/29/24 14:29 |  |      |        |      |    |  |
| Arochlor 1260                   | 3.015 | 0.20 | ug/L | 2.60  |  | 116  | 29-142 | 9.28 | 30 |  |
| Surrogate: Tetrachloro-m-xylene | 0.590 |      | ug/L | 0.600   |  | 98.3 | 38-121 |      |    |  |
| Surrogate: Decachlorobiphenyl   | 0.353 |      | ug/L | 0.600   |  | 58.8 | 25-119 |      |    |  |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HC0886 - Wet Chem Preparation - EPA 376.2

| Blank (1HC0886-BLK1)            |       |      |      |  |        |      |        |      |    |  |
|---------------------------------|-------|------|------|--|--------|------|--------|------|----|--|
|                                 |       |      |      | Prepared: 03/15/24 13:29 Analyzed: 03/15/24 14:57                    |        |      |        |      |    |  |
| Sulfide, total                  | <0.10 | 0.10 | mg/L |  |        |      |        |      |    |  |
| LCS (1HC0886-BS1)               |       |      |      |  |        |      |        |      |    |  |
|                                 |       |      |      | Prepared: 03/15/24 13:29 Analyzed: 03/15/24 14:57                    |        |      |        |      |    |  |
| Sulfide, total                  | 0.164 | 0.10 | mg/L | 0.19   |        | 85.0 | 59-110 |      |    |  |
| Matrix Spike (1HC0886-MS1)      |       |      |      |  |        |      |        |      |    |  |
|                                 |       |      |      | Source: 1HC0966-03 Prepared: 03/15/24 13:29 Analyzed: 03/15/24 14:57 |        |      |        |      |    |  |
| Sulfide, total                  | 0.157 | 0.10 | mg/L | 0.19   | 0.0326 | 64.4 | 50-150 |      |    |  |
| Matrix Spike Dup (1HC0886-MSD1) |       |      |      |  |        |      |        |      |    |  |
|                                 |       |      |      | Source: 1HC0966-03 Prepared: 03/15/24 13:29 Analyzed: 03/15/24 14:57 |        |      |        |      |    |  |
| Sulfide, total                  | 0.173 | 0.10 | mg/L | 0.19   | 0.0326 | 72.7 | 50-150 | 9.67 | 30 |  |

Batch 1HC1377 - Wet Chem Preparation - EPA 9010B

| Blank (1HC1377-BLK1)            |        |       |      |  |    |     |        |      |    |  |
|---------------------------------|--------|-------|------|--|----|-----|--------|------|----|--|
|                                 |        |       |      | Prepared: 03/25/24 16:59 Analyzed: 03/26/24 16:00                    |    |     |        |      |    |  |
| Cyanide, total                  | <0.005 | 0.005 | mg/L |  |    |     |        |      |    |  |
| LCS (1HC1377-BS1)               |        |       |      |  |    |     |        |      |    |  |
|                                 |        |       |      | Prepared: 03/25/24 16:59 Analyzed: 03/26/24 16:00                    |    |     |        |      |    |  |
| Cyanide, total                  | 0.0301 | 0.005 | mg/L | 0.0300   |    | 100 | 66-136 |      |    |  |
| Matrix Spike (1HC1377-MS1)      |        |       |      |  |    |     |        |      |    |  |
|                                 |        |       |      | Source: 1HC1004-09 Prepared: 03/25/24 16:59 Analyzed: 03/26/24 16:00 |    |     |        |      |    |  |
| Cyanide, total                  | 0.0328 | 0.005 | mg/L | 0.0300   | ND | 109 | 59-153 |      |    |  |
| Matrix Spike Dup (1HC1377-MSD1) |        |       |      |  |    |     |        |      |    |  |
|                                 |        |       |      | Source: 1HC1004-09 Prepared: 03/25/24 16:59 Analyzed: 03/26/24 16:00 |    |     |        |      |    |  |
| Cyanide, total                  | 0.0345 | 0.005 | mg/L | 0.0300   | ND | 115 | 59-153 | 5.01 | 30 |  |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|-------------------------------|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HC1095 - EPA 3005A Total Recoverable Metals - EPA 6020A

| Blank (1HC1095-BLK1) |         |        |      |   |  |  |  |  |  |  |
|----------------------|---------|--------|------|---|--|--|--|--|--|--|
|                      |         |        |      | Prepared: 03/20/24 09:48 Analyzed: 03/21/24 20:37 |  |  |  |  |  |  |
| 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 |   |  |  |  |  |  |  |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HC1004

| Determination of Total Metals   | Result  | RL     | Units   | Spike Level | Source Result                                     | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|---|---------|--------|---|-------------|---|------|-------------|-------|-----------|-------|
| <b>Batch 1HC1095 - EPA 3005A Total Recoverable Metals - EPA 6020A</b> |         |        |   |             |   |      |             |       |           |       |
| <b>Blank (1HC1095-BLK1)</b>   |         |        | Prepared: 03/20/24 09:48 Analyzed: 03/21/24 20:37 |             |   |      |             |       |           |       |
| Cobalt, total   | <0.0004 | 0.0004 | mg/L  |             |   |      |             |       |           |       |
| Copper, total   | <0.0040 | 0.0040 | mg/L  |             |   |      |             |       |           |       |
| Lead, total   | <0.0040 | 0.0040 | mg/L  |             |   |      |             |       |           |       |
| Nickel, total   | <0.0040 | 0.0040 | mg/L  |             |   |      |             |       |           |       |
| Selenium, total   | <0.0040 | 0.0040 | mg/L  |             |   |      |             |       |           |       |
| Silver, total   | <0.0040 | 0.0040 | mg/L  |             |   |      |             |       |           |       |
| Thallium, total   | <0.0020 | 0.0020 | mg/L  |             |   |      |             |       |           |       |
| Vanadium, total   | <0.0200 | 0.0200 | mg/L  |             |   |      |             |       |           | QB-12 |
| Zinc, total   | <0.0200 | 0.0200 | mg/L  |             |   |      |             |       |           |       |
| <b>LCS (1HC1095-BS1)</b>  |         |        | Prepared: 03/20/24 09:48 Analyzed: 03/21/24 20:43 |             |   |      |             |       |           |       |
| Antimony, total   | 0.0928  | 0.0020 | mg/L  | 0.100       |   | 92.8 | 80-120      |       |           |       |
| Arsenic, total  | 0.0955  | 0.0040 | mg/L  | 0.100       |   | 95.5 | 80-120      |       |           |       |
| Barium, total   | 0.100   | 0.0040 | mg/L  | 0.100       |   | 100  | 80-120      |       |           |       |
| Beryllium, total  | 0.0867  | 0.0040 | mg/L  | 0.100       |   | 86.7 | 80-120      |       |           |       |
| Cadmium, total  | 0.0919  | 0.0008 | mg/L  | 0.100       |   | 91.9 | 80-120      |       |           |       |
| Chromium, total   | 0.0953  | 0.0080 | mg/L  | 0.100       |   | 95.3 | 80-120      |       |           |       |
| Cobalt, total   | 0.0934  | 0.0004 | mg/L  | 0.100       |   | 93.4 | 80-120      |       |           |       |
| Copper, total   | 0.0945  | 0.0040 | mg/L  | 0.100       |   | 94.5 | 80-120      |       |           |       |
| Lead, total   | 0.0993  | 0.0040 | mg/L  | 0.100       |   | 99.3 | 80-120      |       |           |       |
| Nickel, total   | 0.0893  | 0.0040 | mg/L  | 0.100       |   | 89.3 | 80-120      |       |           |       |
| Selenium, total   | 0.0946  | 0.0040 | mg/L  | 0.100       |   | 94.6 | 80-120      |       |           |       |
| Silver, total   | 0.0960  | 0.0040 | mg/L  | 0.100       |   | 96.0 | 80-120      |       |           |       |
| Thallium, total   | 0.0996  | 0.0020 | mg/L  | 0.100       |   | 99.6 | 80-120      |       |           |       |
| Vanadium, total   | 0.110   | 0.0200 | mg/L  | 0.100       |   | 110  | 80-120      |       |           |       |
| Zinc, total   | 0.0919  | 0.0200 | mg/L  | 0.100       |   | 91.9 | 80-120      |       |           |       |
| <b>Matrix Spike (1HC1095-MS1)</b>                                     |         |        | <b>Source: 1HC1004-01</b>                         |             | Prepared: 03/20/24 09:48 Analyzed: 03/21/24 20:55 |      |             |       |           |       |
| Antimony, total   | 0.0919  | 0.0020 | mg/L  | 0.100       | ND  | 91.9 | 75-125      |       |           |       |
| Arsenic, total  | 0.0958  | 0.0040 | mg/L  | 0.100       | 0.0018  | 94.0 | 75-125      |       |           |       |
| Barium, total   | 0.209   | 0.0040 | mg/L  | 0.100       | 0.107   | 102  | 75-125      |       |           |       |
| Beryllium, total  | 0.0893  | 0.0040 | mg/L  | 0.100       | ND  | 89.3 | 75-125      |       |           |       |
| Cadmium, total  | 0.0869  | 0.0008 | mg/L  | 0.100       | ND  | 86.9 | 75-125      |       |           |       |
| Chromium, total   | 0.0907  | 0.0080 | mg/L  | 0.100       | 0.0006  | 90.7 | 75-125      |       |           |       |
| Cobalt, total   | 0.0914  | 0.0004 | mg/L  | 0.100       | ND  | 91.4 | 75-125      |       |           |       |
| Copper, total   | 0.0867  | 0.0040 | mg/L  | 0.100       | ND  | 86.7 | 75-125      |       |           |       |
| Lead, total   | 0.0934  | 0.0040 | mg/L  | 0.100       | ND  | 93.4 | 75-125      |       |           |       |
| Nickel, total   | 0.0863  | 0.0040 | mg/L  | 0.100       | ND  | 86.3 | 75-125      |       |           |       |
| Selenium, total   | 0.0938  | 0.0040 | mg/L  | 0.100       | ND  | 93.8 | 75-125      |       |           |       |
| Silver, total   | 0.0925  | 0.0040 | mg/L  | 0.100       | ND  | 92.5 | 75-125      |       |           |       |
| Thallium, total   | 0.0951  | 0.0020 | mg/L  | 0.100       | 0.0002  | 94.9 | 75-125      |       |           |       |
| Vanadium, total   | 0.101   | 0.0200 | mg/L  | 0.100       | ND  | 101  | 75-125      |       |           |       |
| Zinc, total   | 0.0870  | 0.0200 | mg/L  | 0.100       | ND  | 87.0 | 75-125      |       |           |       |
| <b>Matrix Spike Dup (1HC1095-MSD1)</b>                                |         |        | <b>Source: 1HC1004-01</b>                         |             | Prepared: 03/20/24 09:48 Analyzed: 03/21/24 21:14 |      |             |       |           |       |
| Antimony, total   | 0.0923  | 0.0020 | mg/L  | 0.100       | ND  | 92.3 | 75-125      | 0.516 | 20        |       |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HC1004

| Determination of Total Metals   | Result | RL     | Units   | Spike Level | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|---|--------|--------|---|-------------|---------------|------|-------------|--------|-----------|-------|
| <b>Batch 1HC1095 - EPA 3005A Total Recoverable Metals - EPA 6020A</b> |        |        |   |             |               |      |             |        |           |       |
| <b>Matrix Spike Dup (1HC1095-MSD1)</b>                                |        |        |   |             |               |      |             |        |           |       |
| Source: 1HC1004-01  |        |        | Prepared: 03/20/24 09:48 Analyzed: 03/21/24 21:14 |             |               |      |             |        |           |       |
| Arsenic, total  | 0.0944 | 0.0040 | mg/L  | 0.100       | 0.0018        | 92.6 | 75-125      | 1.45   | 20        |       |
| Barium, total   | 0.209  | 0.0040 | mg/L  | 0.100       | 0.107         | 102  | 75-125      | 0.308  | 20        |       |
| Beryllium, total  | 0.0832 | 0.0040 | mg/L  | 0.100       | ND            | 83.2 | 75-125      | 7.04   | 20        |       |
| Cadmium, total  | 0.0890 | 0.0008 | mg/L  | 0.100       | ND            | 89.0 | 75-125      | 2.30   | 20        |       |
| Chromium, total   | 0.0902 | 0.0080 | mg/L  | 0.100       | 0.0006        | 90.2 | 75-125      | 0.569  | 20        |       |
| Cobalt, total   | 0.0901 | 0.0004 | mg/L  | 0.100       | ND            | 90.1 | 75-125      | 1.41   | 20        |       |
| Copper, total   | 0.0852 | 0.0040 | mg/L  | 0.100       | ND            | 85.2 | 75-125      | 1.67   | 20        |       |
| Lead, total   | 0.0945 | 0.0040 | mg/L  | 0.100       | ND            | 94.5 | 75-125      | 1.19   | 20        |       |
| Nickel, total   | 0.0849 | 0.0040 | mg/L  | 0.100       | ND            | 84.9 | 75-125      | 1.66   | 20        |       |
| Selenium, total   | 0.0909 | 0.0040 | mg/L  | 0.100       | ND            | 90.9 | 75-125      | 3.24   | 20        |       |
| Silver, total   | 0.0926 | 0.0040 | mg/L  | 0.100       | ND            | 92.6 | 75-125      | 0.0640 | 20        |       |
| Thallium, total   | 0.0957 | 0.0020 | mg/L  | 0.100       | 0.0002        | 95.5 | 75-125      | 0.646  | 20        |       |
| Vanadium, total   | 0.100  | 0.0200 | mg/L  | 0.100       | ND            | 100  | 75-125      | 0.404  | 20        |       |
| Zinc, total   | 0.0863 | 0.0200 | mg/L  | 0.100       | ND            | 86.3 | 75-125      | 0.847  | 20        |       |
| <b>Post Spike (1HC1095-PS1)</b>                                       |        |        |   |             |               |      |             |        |           |       |
| Source: 1HC1004-01  |        |        | Prepared: 03/20/24 09:48 Analyzed: 03/21/24 21:20 |             |               |      |             |        |           |       |
| Antimony, total   | 0.0757 |        | mg/L  | 0.0800      | 0.0001        | 94.5 | 80-120      |        |           |       |
| Arsenic, total  | 0.0777 |        | mg/L  | 0.0800      | 0.0018        | 94.9 | 80-120      |        |           |       |
| Barium, total   | 0.186  |        | mg/L  | 0.0800      | 0.105         | 102  | 80-120      |        |           |       |
| Beryllium, total  | 0.0686 |        | mg/L  | 0.0800      | -0.00001      | 85.7 | 80-120      |        |           |       |
| Cadmium, total  | 0.0727 |        | mg/L  | 0.0800      | 0.00004       | 90.8 | 80-120      |        |           |       |
| Chromium, total   | 0.0756 |        | mg/L  | 0.0800      | 0.0006        | 93.7 | 80-120      |        |           |       |
| Cobalt, total   | 0.0739 |        | mg/L  | 0.0800      | 0.00007       | 92.3 | 80-120      |        |           |       |
| Copper, total   | 0.0711 |        | mg/L  | 0.0800      | 0.0007        | 88.1 | 80-120      |        |           |       |
| Lead, total   | 0.0773 |        | mg/L  | 0.0800      | 0.00009       | 96.6 | 80-120      |        |           |       |
| Nickel, total   | 0.0693 |        | mg/L  | 0.0800      | 0.0007        | 85.8 | 80-120      |        |           |       |
| Selenium, total   | 0.0725 |        | mg/L  | 0.0800      | 0.0012        | 89.2 | 80-120      |        |           |       |
| Silver, total   | 0.0777 |        | mg/L  | 0.0800      | 0.0003        | 96.7 | 80-120      |        |           |       |
| Thallium, total   | 0.0781 |        | mg/L  | 0.0800      | 0.0002        | 97.4 | 80-120      |        |           |       |
| Vanadium, total   | 0.0868 |        | mg/L  | 0.0800      | 0.0097        | 96.3 | 80-120      |        |           |       |
| Zinc, total   | 0.0703 |        | mg/L  | 0.0800      | 0.0023        | 85.0 | 80-120      |        |           |       |

**Definitions**

- QB-12:** The analyte was found in the blank at a concentration greater than one-half the reporting limit. However, the concentration of the analyte in the blank was less than the reporting limit so the data was accepted.
- QM-14:** The spike recovery was outside acceptance limits for the MS and/or MSD. However, all other QC was acceptable.
- QR-02:** The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QS-02:** The spike recovery for this QC sample exceeded established acceptance limits. However, all samples were below the reporting and/or regulatory limit so the data is acceptable.
- RL:** Reporting Limit
- RPD:** Relative Percent Difference
- S-GC:** Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HC1004

Cooler Receipt Log

Cooler ID: Default Cooler

Temp: 0.0°C

Cooler Inspection Checklist

|                  |     |                        |     |
|------------------|-----|------------------------|-----|
| Custody Seals    | No  | Containers Intact      | Yes |
| COC/Labels Agree | Yes | Preservation Confirmed | No  |
| Received On Ice  | Yes |                        |     |

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <<https://www.microbac.com/standard-terms-conditions>>.

Reviewed and Approved By:

Heather Murphy  
Customer Relationship Specialist  
heather.murphy@microbac.com  
04/04/24 16:50

CHAIN OF CUSTODY RECORD

**Keystone**  
LABORATORIES  
A Microbac Company

600 East 17th Street South  
Newton, IA 50208  
641-792-8451

Page 1 of  
Printed: 3/21/2024 2:02:50P

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Page 86 of 89

**SITE INFORMATION**

Sampler: Todd Whipple

Project: Boone Landfill-New Regs  
6007

**REPORT TO**

Todd Whipple  
HLW Engineering  
PO Box 314  
Story City, IA 50246

**INVOICE TO**

John Roosa  
Boone County Sanitary Landfill  
1268 224th Lane  
Boone, IA 50036

**SPECIAL INSTRUCTIONS**

None

Turn Around Time  
 Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

**LAB USE ONLY**

Work Order 1HC1004

Temperature 0.0

Turn-Cooler: No

Custody Seal  
 Containers Intact  
 COC/Labels Agree  
 Preservation Confirmed  
 Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date           | Time         | Number of Containers | Analyses                                      | Lab Sample Number |
|--------|-----------------------------------|--------|-------------|----------------|--------------|----------------------|---|-------------------|
| -001   | MW91-8                            | Water  | GRAB        | <u>3/12/24</u> | <u>13:54</u> | <u>7</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>01</u>         |
| -001   | MW02-15A                          | Water  | GRAB        | <u>3/12/24</u> | <u>12:28</u> | <u>7</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>02</u>         |
| -001   | MW98-28                           | Water  | GRAB        | <u>3/12/24</u> | <u>13:30</u> | <u>7</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>03</u>         |
| -001   | MW02-30A                          | Water  | GRAB        | <u>3/12/24</u> | <u>12:05</u> | <u>7</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>04</u>         |
| -001   | MW88-2                            | Water  | GRAB        | <u>3/12/24</u> | <u>11:10</u> | <u>7</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>05</u>         |
| -001   | MW94-18                           | Water  | GRAB        | <u>3/12/24</u> | <u>8:15</u>  | <u>7</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>06</u>         |
| -001   | MW09-40                           | Water  | GRAB        | <u>3/12/24</u> | <u>8:34</u>  | <u>7</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>07</u>         |

Relinquished By [Signature] Date/Time 3/13/24

Relinquished By \_\_\_\_\_ Date/Time \_\_\_\_\_

Received By \_\_\_\_\_ Date/Time \_\_\_\_\_

Received for Lab By Mahy Date/Time 3/13/24 10:29

Remarks



HLW Engineering  
PM: Heather Murphy

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Page 87 of 89

**SITE INFORMATION**

Sampler: TODD WHIPPLE

Project: Boone Landfill-New Regs  
6007

**REPORT TO**

Todd Whipple  
 HIW Engineering  
 PO Box 214  
 Story City, IA 50246

**INVOICE TO**

John Roosa  
 Boone County Sanitary Landfill  
 1268 224th Lane  
 Boone, IA 50036

**SPECIAL INSTRUCTIONS**

None

Turn Around Time  
 Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

**LAB USE ONLY**

Work Order 1HC1004

Temperature 0.0

Turn-Cooler: No

Custody Seal  
 Containers Intact  
 COC/Labels Agree  
 Preservation Confirmed  
 Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date           | Time         | Number of Containers | Analyses   | Lab Sample Number |
|--------|-----------------------------------|--------|-------------|----------------|--------------|----------------------|--|-------------------|
| -001   | MW91-10                           | Water  | GRAB        | <u>3/12/24</u> | <u>8:50</u>  | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020              | <u>08</u>         |
| -001   | MW96-21                           | Water  | GRAB        | <u>3/12/24</u> | <u>7:40</u>  | <u>16</u>            | <u>No metals</u><br>Indfill-app2-inorg-6020 Indfill-app2-org | <u>09</u>         |
| -001   | MW96-24                           | Water  | GRAB        | <u>3/12/24</u> | <u>9:25</u>  | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020              | <u>10</u>         |
| -001   | MW88-3                            | Water  | GRAB        | <u>3/12/24</u> | <u>10:29</u> | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020              | <u>11</u>         |
| -001   | MW96-23                           | Water  | GRAB        | <u>3/12/24</u> | <u>9:49</u>  | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020              | <u>12</u>         |
| -001   | MW21-43                           | Water  | GRAB        | <u>3/12/24</u> | <u>11:40</u> | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020              | <u>13</u>         |
| -001   | GWD-1 <u>Dry</u>                  | Water  | GRAB        | <u>---</u>     | <u>---</u>   | <u>0</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020              | <u>---</u>        |

[Signature] 3/13/24  
 Relinquished By Date/Time

Relinquished By Date/Time  
Maher 3/13/24 10:29  
 Received for Lab By Date/Time

Remarks:



1 H C 1 0 0 4  
 HLW Engineering  
 PM: Heather Murphy

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Newton, IA 50208  
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Page 88 of 89

**SITE INFORMATION**

Sampler: Todd Whipple

Project: Boone Landfill-New Regs  
6007

**REPORT TO**

Todd Whipple  
HIW Engineering  
PO Box 314  
Story City, IA 50246

**INVOICE TO**

John Roosa  
Boone County Sanitary Landfill  
1268 224th Lane  
Boone, IA 50036

**SPECIAL INSTRUCTIONS**

None

Turn Around Time  
 Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

**LAB USE ONLY**

Work Order 114C1004

Temperature 6.0

Turn-Cooler: No

Custody Seal  
 Containers Intact  
 COC/Labels Agree  
 Preservation Confirmed  
 Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date           | Time         | Number of Containers | Analyses  | Lab Sample Number |
|--------|-----------------------------------|--------|-------------|----------------|--------------|----------------------|---|-------------------|
| -001   | GU-3                              | Water  | GRAB        | <u>---</u>     | <u>---</u>   | <u>0</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020                               | <u>---</u>        |
| -001   | PEC-3                             | Water  | GRAB        | <u>---</u>     | <u>---</u>   | <u>0</u>             | Indfil-app1-voc-group   | <u>---</u>        |
| -001   | GU-4                              | Water  | GRAB        | <u>3/12/24</u> | <u>10:55</u> | <u>7</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020                               | <u>14</u>         |
| -001   | SRAMP #1                          | Water  | GRAB        | <u>---</u>     | <u>---</u>   | <u>0</u>             | 8260@dichlorodifluorom ethane Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>---</u>        |
| -001   | SRAMP #2                          | Water  | GRAB        | <u>3/12/24</u> | <u>10:15</u> | <u>7</u>             | 8260@dichlorodifluorom ethane Indfil-app1-voc-group                         | <u>15</u>         |
| -001   | MW98-25                           | Water  | GRAB        | <u>3/12/24</u> | <u>13:05</u> | <u>7</u>             | 8260@dichlorodifluorom ethane Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>16</u>         |

Relinquished By [Signature] Date/Time 3/13/24

Relinquished By \_\_\_\_\_ Date/Time \_\_\_\_\_

Received By \_\_\_\_\_ Date/Time \_\_\_\_\_

Received for Lab By Maher Date/Time 3/13/24 10:29

Remarks:



1 H C 1 0 0 4  
HLW Engineering  
PM: Heather Murphy



CHAIN OF CUSTODY RECORD

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 541-792-9451

Page 4 of  
 Printed: 2/21/2024 2:02:50P

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Page 89 of 89

**SITE INFORMATION**

Sampler: TODD WHIPPLE

Project: Boone Landfill-New Regs  
6007

**REPORT TO**

Todd Whipple  
 HIW Engineering  
 PO Box 314  
 Story City, IA 50246

**INVOICE TO**

John Roosa  
 Boone County Sanitary Landfill  
 1268 224th Lane  
 Boone, IA 50036

**SPECIAL INSTRUCTIONS**

None

Turn Around Time  
 Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

**LAB USE ONLY**

Work Order 1HC1004

Temperature 0.0

Turn-Cooler: No

Custody Seal  
 Containers Intact  
 COC/Labels Agree  
 Preservation Confirmed  
 Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date           | Time         | Number of Containers | Analyses                                      | Lab Sample Number |
|--------|-----------------------------------|--------|-------------|----------------|--------------|----------------------|---|-------------------|
| -001   | MW06-37                           | Water  | GRAB        | <u>3/12/24</u> | <u>14:15</u> | <u>7</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>17</u>         |
| -001   | MW06-38                           | Water  | GRAB        | <u>3/12/24</u> | <u>14:28</u> | <u>7</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>18</u>         |
| -001   | MW06-39                           | Water  | GRAB        | <u>3/12/24</u> | <u>14:42</u> | <u>7</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>19</u>         |
| -001   | Field Duplicate                   | Water  | GRAB        | <u>3/12/24</u> | <u>✓</u>     | <u>1</u>             | Indfil-app1-voc-group Indfil-app1-metals-6020 | <u>20</u>         |

Heather Murphy 3/13/24  
 Relinquished By Date/Time

Relinquished By Maher 3/13/24 10:29  
 Date/Time

Remarks



1 H C 1 0 0 4

HLW Engineering  
 PM: Heather Murphy

Received By Date/Time

Received for Lab By Date/Time

Original - Lab Copy Yellow - Sampler Copy





Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HJ0247

Project Description

6007

For:

Todd Whipple

**HLW Engineering**

204 West Broad St

Story City, IA 50248

---

Heather Murphy

Customer Relationship Specialist

Friday, November 1, 2024

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

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

Microbac Laboratories, Inc.

600 East 17th Street South | Newton, IA 50208 | 641-792-8451 p | [www.microbac.com](http://www.microbac.com)



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CERTIFICATE OF ANALYSIS

1HJ0247

HLW Engineering

Project Name: 6007

Todd Whipple  
204 West Broad St  
Story City, IA 50248

Project / PO Number: N/A  
Received: 10/01/2024  
Reported: 11/01/2024

Sample Summary Report

| <u>Sample Name</u> | <u>Laboratory ID</u> | <u>Client Matrix</u> | <u>Sample Type</u> | <u>Sample Begin</u> | <u>Sample Taken</u> | <u>Lab Received</u> |
|--------------------|----------------------|----------------------|--------------------|---------------------|---------------------|---------------------|
| MW91-8             | 1HJ0247-01           | Aqueous              | GRAB               |                     | 09/30/24 13:21      | 10/01/24 10:30      |
| MW02-15A           | 1HJ0247-02           | Aqueous              | GRAB               |                     | 09/30/24 12:48      | 10/01/24 10:30      |
| MW98-28            | 1HJ0247-03           | Aqueous              | GRAB               |                     | 09/30/24 07:31      | 10/01/24 10:30      |
| MW02-30A           | 1HJ0247-04           | Aqueous              | GRAB               |                     | 09/30/24 12:33      | 10/01/24 10:30      |
| MW88-2             | 1HJ0247-05           | Aqueous              | GRAB               |                     | 09/30/24 11:34      | 10/01/24 10:30      |
| MW94-18            | 1HJ0247-06           | Aqueous              | GRAB               |                     | 09/30/24 08:54      | 10/01/24 10:30      |
| MW09-40            | 1HJ0247-07           | Aqueous              | GRAB               |                     | 09/30/24 09:10      | 10/01/24 10:30      |
| MW91-10            | 1HJ0247-08           | Aqueous              | GRAB               |                     | 09/30/24 09:24      | 10/01/24 10:30      |
| MW96-21            | 1HJ0247-09           | Aqueous              | GRAB               |                     | 09/30/24 09:53      | 10/01/24 10:30      |
| MW96-24            | 1HJ0247-10           | Aqueous              | GRAB               |                     | 09/30/24 10:10      | 10/01/24 10:30      |
| MW88-3             | 1HJ0247-11           | Aqueous              | GRAB               |                     | 09/30/24 11:23      | 10/01/24 10:30      |
| MW96-23            | 1HJ0247-12           | Aqueous              | GRAB               |                     | 09/30/24 10:36      | 10/01/24 10:30      |
| MW21-43            | 1HJ0247-13           | Aqueous              | GRAB               |                     | 09/30/24 12:09      | 10/01/24 10:30      |
| GU-3               | 1HJ0247-14           | Aqueous              | GRAB               |                     | 09/30/24 10:51      | 10/01/24 10:30      |
| PEC-3              | 1HJ0247-15           | Aqueous              | GRAB               |                     | 09/30/24 00:00      | 10/01/24 10:30      |
| MW98-25            | 1HJ0247-16           | Aqueous              | GRAB               |                     | 09/30/24 08:21      | 10/01/24 10:30      |
| MW06-37            | 1HJ0247-17           | Aqueous              | GRAB               |                     | 09/30/24 14:14      | 10/01/24 10:30      |
| MW06-38            | 1HJ0247-18           | Aqueous              | GRAB               |                     | 09/30/24 14:02      | 10/01/24 10:30      |
| MW06-39            | 1HJ0247-19           | Aqueous              | GRAB               |                     | 09/30/24 13:51      | 10/01/24 10:30      |
| Field Duplicate    | 1HJ0247-20           | Aqueous              | GRAB               |                     | 09/30/24 00:00      | 10/01/24 10:30      |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HJ0247

Analytical Testing Parameters

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW91-8     | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 13:21 |
| <b>Lab Sample ID:</b>    | 1HJ0247-01 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |

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CERTIFICATE OF ANALYSIS

1HJ0247

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW91-8     | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 13:21 |
| <b>Lab Sample ID:</b>    | 1HJ0247-01 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| Bromoform                                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.8   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.8   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 95.0   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 95.0   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Surrogate: Toluene-d8                       | 98.6   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Surrogate: Toluene-d8                       | 98.6   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 106    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 106    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/03/24 2353 | BDF     |

| Determination of Total Metals | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |              |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Arsenic, total                | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Barium, total                 | <b>0.109</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Beryllium, total              | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Cadmium, total                | <0.0008      | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Chromium, total               | <0.0080      | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Cobalt, total                 | <0.0004      | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Copper, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Lead, total                   | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Nickel, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Selenium, total               | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Silver, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Thallium, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Vanadium, total               | <0.0200      | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |
| Zinc, total                   | <0.0200      | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2048 | RVV     |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HJ0247

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW02-15A   | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 12:48 |
| <b>Lab Sample ID:</b>    | 1HJ0247-02 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |

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1HJ0247

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW02-15A   | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 12:48 |
| <b>Lab Sample ID:</b>    | 1HJ0247-02 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.5   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.5   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 96.6   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 96.6   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Surrogate: Toluene-d8                       | 98.9   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Surrogate: Toluene-d8                       | 98.9   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 106    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 106    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0016 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Barium, total                 | <b>0.0349</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Cobalt, total                 | <b>0.0009</b> | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Nickel, total                 | <b>0.0063</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2125 | RVV     |





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|                                  |   |
|----------------------------------|---|
| <b>Client Sample ID:</b> MW98-28 | <b>Collected By:</b> Whipple, Todd      |
| <b>Sample Matrix:</b> Aqueous    | <b>Collection Date:</b> 09/30/2024 7:31 |
| <b>Lab Sample ID:</b> 1HJ0247-03 |   |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |

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|                                  |   |
|----------------------------------|---|
| <b>Client Sample ID:</b> MW98-28 | <b>Collected By:</b> Whipple, Todd      |
| <b>Sample Matrix:</b> Aqueous    | <b>Collection Date:</b> 09/30/2024 7:31 |
| <b>Lab Sample ID:</b> 1HJ0247-03 |   |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.6   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.6   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 96.8   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 96.8   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Surrogate: Toluene-d8                       | 98.7   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Surrogate: Toluene-d8                       | 98.7   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 107    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 107    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0038 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Barium, total                 | <b>0.270</b>  | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Cobalt, total                 | <b>0.0039</b> | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Copper, total                 | <b>0.0048</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Nickel, total                 | <b>0.0101</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2131 | RVV     |



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1HJ0247

|                                   |  |
|-----------------------------------|--|
| <b>Client Sample ID:</b> MW02-30A | <b>Collected By:</b> Whipple, Todd       |
| <b>Sample Matrix:</b> Aqueous     | <b>Collection Date:</b> 09/30/2024 12:33 |
| <b>Lab Sample ID:</b> 1HJ0247-04  |  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |

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1HJ0247

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW02-30A   | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 12:33 |
| <b>Lab Sample ID:</b>    | 1HJ0247-04 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Surrogate: Dibromofluoromethane             | 94.2   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Surrogate: Dibromofluoromethane             | 94.2   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 97.9   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 97.9   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Surrogate: Toluene-d8                       | 99.0   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Surrogate: Toluene-d8                       | 99.0   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 106    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 106    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0101 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Arsenic, total                | <b>0.0410</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Barium, total                 | <b>0.0868</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2137 | RVV     |



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|                                  |  |
|----------------------------------|--|
| <b>Client Sample ID:</b> MW88-2  | <b>Collected By:</b> Whipple, Todd       |
| <b>Sample Matrix:</b> Aqueous    | <b>Collection Date:</b> 09/30/2024 11:34 |
| <b>Lab Sample ID:</b> 1HJ0247-05 |  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW88-2     | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 11:34 |
| <b>Lab Sample ID:</b>    | 1HJ0247-05 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Surrogate: Dibromofluoromethane             | 91.6   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Surrogate: Dibromofluoromethane             | 91.6   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 95.8   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 95.8   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Surrogate: Toluene-d8                       | 99.5   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Surrogate: Toluene-d8                       | 99.5   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 105    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 105    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0123 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Arsenic, total                | <b>0.0193</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Barium, total                 | <b>0.357</b>  | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2144 | RVV     |



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|                                  |   |
|----------------------------------|---|
| <b>Client Sample ID:</b> MW94-18 | <b>Collected By:</b> Whipple, Todd      |
| <b>Sample Matrix:</b> Aqueous    | <b>Collection Date:</b> 09/30/2024 8:54 |
| <b>Lab Sample ID:</b> 1HJ0247-06 |   |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |

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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW94-18    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 8:54 |
| <b>Lab Sample ID:</b>    | 1HJ0247-06 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.7   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.7   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 96.9   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 96.9   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Surrogate: Toluene-d8                       | 100    | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Surrogate: Toluene-d8                       | 100    | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 105    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 105    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0146 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Barium, total                 | <b>0.0276</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2150 | RVV     |





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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW09-40    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 9:10 |
| <b>Lab Sample ID:</b>    | 1HJ0247-07 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |

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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW09-40    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 9:10 |
| <b>Lab Sample ID:</b>    | 1HJ0247-07 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.5   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.5   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 97.3   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 97.3   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Surrogate: Toluene-d8                       | 99.6   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Surrogate: Toluene-d8                       | 99.6   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 106    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 106    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0208 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Barium, total                 | <b>0.0234</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2156 | RVV     |

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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW91-10    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 9:24 |
| <b>Lab Sample ID:</b>    | 1HJ0247-08 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |

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CERTIFICATE OF ANALYSIS

1HJ0247

|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW91-10    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 9:24 |
| <b>Lab Sample ID:</b>    | 1HJ0247-08 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.2   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.2   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 97.5   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 97.5   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Surrogate: Toluene-d8                       | 99.5   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Surrogate: Toluene-d8                       | 99.5   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 105    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 105    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0231 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Barium, total                 | <b>0.0398</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Selenium, total               | <b>0.0044</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2202 | RVV     |

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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW96-21    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 9:53 |
| <b>Lab Sample ID:</b>    | 1HJ0247-09 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |

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|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW96-21    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 9:53 |
| <b>Lab Sample ID:</b>    | 1HJ0247-09 |                         |                 |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.5   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.5   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 97.0   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 97.0   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Surrogate: Toluene-d8                       | 99.2   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Surrogate: Toluene-d8                       | 99.2   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 105    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 105    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0253 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Arsenic, total                | <b>0.0270</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Barium, total                 | <b>0.369</b>  | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Chromium, total               | <b>0.0095</b> | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Cobalt, total                 | <b>0.0040</b> | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Copper, total                 | <b>0.0114</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Lead, total                   | <b>0.0062</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Nickel, total                 | <b>0.0113</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |
| Zinc, total                   | <b>0.0341</b> | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2208 | RVV     |

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|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW96-24    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 10:10 |
| <b>Lab Sample ID:</b>    | 1HJ0247-10 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW96-24    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 10:10 |
| <b>Lab Sample ID:</b>    | 1HJ0247-10 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.8   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.8   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 100    | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 100    | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Surrogate: Toluene-d8                       | 99.8   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Surrogate: Toluene-d8                       | 99.8   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 115    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 115    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0316 | BDF     |

| Determination of Total Metals | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |              |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Arsenic, total                | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Barium, total                 | <b>0.559</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Beryllium, total              | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Cadmium, total                | <0.0008      | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Chromium, total               | <0.0080      | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Cobalt, total                 | <0.0004      | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Copper, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Lead, total                   | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Nickel, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Selenium, total               | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Silver, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Thallium, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Vanadium, total               | <0.0200      | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |
| Zinc, total                   | <0.0200      | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2226 | RVV     |

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|                                  |  |
|----------------------------------|--|
| <b>Client Sample ID:</b> MW88-3  | <b>Collected By:</b> Whipple, Todd       |
| <b>Sample Matrix:</b> Aqueous    | <b>Collection Date:</b> 09/30/2024 11:23 |
| <b>Lab Sample ID:</b> 1HJ0247-11 |  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW88-3     | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 11:23 |
| <b>Lab Sample ID:</b>    | 1HJ0247-11 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.2   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.2   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 109    | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 109    | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Surrogate: Toluene-d8                       | 88.4   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Surrogate: Toluene-d8                       | 88.4   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 90.3   | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 90.3   | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0338 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Barium, total                 | <b>0.136</b>  | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Cadmium, total                | <b>0.0056</b> | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2232 | RVV     |

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1HJ0247

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW96-23    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 10:36 |
| <b>Lab Sample ID:</b>    | 1HJ0247-12 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW96-23    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 10:36 |
| <b>Lab Sample ID:</b>    | 1HJ0247-12 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.4   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.4   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 98.7   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 98.7   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Surrogate: Toluene-d8                       | 89.0   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Surrogate: Toluene-d8                       | 89.0   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 101    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 101    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0401 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Arsenic, total                | <b>0.0392</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Barium, total                 | <b>0.632</b>  | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2239 | RVV     |



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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW21-43    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 12:09 |
| <b>Lab Sample ID:</b>    | 1HJ0247-13 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW21-43    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 12:09 |
| <b>Lab Sample ID:</b>    | 1HJ0247-13 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.4   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Surrogate: Dibromofluoromethane             | 92.4   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 99.3   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 99.3   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Surrogate: Toluene-d8                       | 98.7   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Surrogate: Toluene-d8                       | 98.7   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 96.6   | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 96.6   | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0423 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Arsenic, total                | <b>0.0098</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Barium, total                 | <b>0.177</b>  | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Cobalt, total                 | <b>0.0004</b> | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Nickel, total                 | <b>0.0081</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2245 | RVV     |

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1HJ0247

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | GU-3       | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 10:51 |
| <b>Lab Sample ID:</b>    | 1HJ0247-14 |                         |                  |

| Determination of Volatile Organic Compounds | Result     | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|------------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |            |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Vinyl Chloride                              | <b>1.2</b> | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Bromomethane                                | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Chloroethane                                | <b>1.1</b> | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Trichlorofluoromethane                      | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,1-Dichloroethylene                        | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Acetone                                     | <10.0      | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Methyl Iodide                               | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Carbon Disulfide                            | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Methylene Chloride                          | <5.0       | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Acrylonitrile                               | <5.0       | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,1-Dichloroethane                          | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Vinyl Acetate                               | <5.0       | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| cis-1,2-Dichloroethylene                    | <b>4.3</b> | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 2-Butanone (MEK)                            | <10.0      | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Bromochloromethane                          | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Chloroform                                  | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Carbon Tetrachloride                        | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Benzene                                     | <b>6.0</b> | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,2-Dichloroethane                          | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Trichloroethylene                           | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,2-Dichloropropane                         | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Dibromomethane                              | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Bromodichloromethane                        | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0       | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Toluene                                     | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Tetrachloroethylene                         | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 2-Hexanone (MBK)                            | <5.0       | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Dibromochloromethane                        | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,2-Dibromoethane                           | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Chlorobenzene                               | <b>1.3</b> | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Ethylbenzene                                | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Xylenes, total                              | <2.0       | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Styrene                                     | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Bromoform                                   | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | GU-3       | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 10:51 |
| <b>Lab Sample ID:</b>    | 1HJ0247-14 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.8   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.8   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 99.9   | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 99.9   | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Surrogate: Toluene-d8                       | 98.2   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Surrogate: Toluene-d8                       | 98.2   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 101    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 101    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0446 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Barium, total                 | <b>0.488</b>  | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Nickel, total                 | <b>0.0368</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2251 | RVV     |

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|                          |            |                         |               |
|--------------------------|------------|-------------------------|---------------|
| <b>Client Sample ID:</b> | PEC-3      | <b>Collected By:</b>    | Whipple, Todd |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024    |
| <b>Lab Sample ID:</b>    | 1HJ0247-15 |                         |               |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |

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|                          |            |                         |               |
|--------------------------|------------|-------------------------|---------------|
| <b>Client Sample ID:</b> | PEC-3      | <b>Collected By:</b>    | Whipple, Todd |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024    |
| <b>Lab Sample ID:</b>    | 1HJ0247-15 |                         |               |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.3   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.3   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 100    | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 100    | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Surrogate: Toluene-d8                       | 100    | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Surrogate: Toluene-d8                       | 100    | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 116    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 116    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0508 | BDF     |



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CERTIFICATE OF ANALYSIS

1HJ0247

|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW98-25    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 8:21 |
| <b>Lab Sample ID:</b>    | 1HJ0247-16 |                         |                 |

| Determination of Volatile Organic Compounds | Result     | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|------------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |            |      |       |    |      |               |               |         |
| Dichlorodifluoromethane                     | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Chloromethane                               | <b>1.8</b> | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Vinyl Chloride                              | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Bromomethane                                | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Chloroethane                                | <b>1.0</b> | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Trichlorofluoromethane                      | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,1-Dichloroethylene                        | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Acetone                                     | <10.0      | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Methyl Iodide                               | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Carbon Disulfide                            | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Methylene Chloride                          | <5.0       | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Acrylonitrile                               | <5.0       | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,1-Dichloroethane                          | <b>1.2</b> | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Vinyl Acetate                               | <5.0       | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| cis-1,2-Dichloroethylene                    | <b>2.0</b> | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 2-Butanone (MEK)                            | <10.0      | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Bromochloromethane                          | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Chloroform                                  | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Carbon Tetrachloride                        | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Benzene                                     | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,2-Dichloroethane                          | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Trichloroethylene                           | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,2-Dichloropropane                         | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Dibromomethane                              | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Bromodichloromethane                        | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0       | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Toluene                                     | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Tetrachloroethylene                         | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 2-Hexanone (MBK)                            | <5.0       | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Dibromochloromethane                        | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,2-Dibromoethane                           | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Chlorobenzene                               | <b>1.0</b> | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Ethylbenzene                                | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Xylenes, total                              | <2.0       | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Styrene                                     | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Bromoform                                   | <1.0       | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |

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1HJ0247

|                          |            |                         |                 |
|--------------------------|------------|-------------------------|-----------------|
| <b>Client Sample ID:</b> | MW98-25    | <b>Collected By:</b>    | Whipple, Todd   |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 8:21 |
| <b>Lab Sample ID:</b>    | 1HJ0247-16 |                         |                 |

| Determination of Volatile Organic Compounds | Result     | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|------------|---------------|-------|----|------|---------------|---------------|---------|
| 1,2,3-Trichloropropane                      | <1.0       | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| trans-1,4-Dichloro-2-butene                 | <5.0       | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0       | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,4-Dichlorobenzene                         | <b>1.8</b> | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0       | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0       | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Surrogate: Dibromofluoromethane             | 94.9       | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Surrogate: Dibromofluoromethane             | 94.9       | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 102        | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 102        | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Surrogate: Toluene-d8                       | 97.8       | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Surrogate: Toluene-d8                       | 97.8       | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 103        | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 103        | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0531 | BDF     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Arsenic, total                | <b>0.0066</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Barium, total                 | <b>0.0902</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Cobalt, total                 | <b>0.0110</b> | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Nickel, total                 | <b>0.0265</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2257 | RVV     |

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1HJ0247

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW06-37    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 14:14 |
| <b>Lab Sample ID:</b>    | 1HJ0247-17 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |



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1HJ0247

|                                  |  |
|----------------------------------|--|
| <b>Client Sample ID:</b> MW06-37 | <b>Collected By:</b> Whipple, Todd       |
| <b>Sample Matrix:</b> Aqueous    | <b>Collection Date:</b> 09/30/2024 14:14 |
| <b>Lab Sample ID:</b> 1HJ0247-17 |  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.1   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.1   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 101    | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 101    | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Surrogate: Toluene-d8                       | 99.2   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Surrogate: Toluene-d8                       | 99.2   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 102    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 102    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0553 | BDF     |

| Determination of Total Metals | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |              |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Arsenic, total                | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Barium, total                 | <b>0.116</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Beryllium, total              | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Cadmium, total                | <0.0008      | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Chromium, total               | <0.0080      | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Cobalt, total                 | <0.0004      | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Copper, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Lead, total                   | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Nickel, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Selenium, total               | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Silver, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Thallium, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Vanadium, total               | <0.0200      | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |
| Zinc, total                   | <0.0200      | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2303 | RVV     |



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1HJ0247

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW06-38    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 14:02 |
| <b>Lab Sample ID:</b>    | 1HJ0247-18 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW06-38    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 14:02 |
| <b>Lab Sample ID:</b>    | 1HJ0247-18 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.6   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.6   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 101    | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 101    | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Surrogate: Toluene-d8                       | 109    | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Surrogate: Toluene-d8                       | 109    | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 102    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 102    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0616 | BDF     |

| Determination of Total Metals | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |              |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Arsenic, total                | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Barium, total                 | <b>0.188</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Beryllium, total              | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Cadmium, total                | <0.0008      | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Chromium, total               | <0.0080      | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Cobalt, total                 | <0.0004      | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Copper, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Lead, total                   | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Nickel, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Selenium, total               | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Silver, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Thallium, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Vanadium, total               | <0.0200      | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |
| Zinc, total                   | <0.0200      | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2309 | RVV     |





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1HJ0247

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW06-39    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 13:51 |
| <b>Lab Sample ID:</b>    | 1HJ0247-19 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260B</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Chlorobenzene                               | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Bromoform                                   | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0  | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW06-39    | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 09/30/2024 13:51 |
| <b>Lab Sample ID:</b>    | 1HJ0247-19 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.8   | Limit: 75-136 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Surrogate: Dibromofluoromethane             | 93.8   | Limit: 57-134 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 100    | Limit: 61-142 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Surrogate: 1,2-Dichloroethane-d4            | 100    | Limit: 53-140 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Surrogate: Toluene-d8                       | 99.2   | Limit: 82-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Surrogate: Toluene-d8                       | 99.2   | Limit: 86-114 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 116    | Limit: 80-116 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |
| Surrogate: 4-Bromofluorobenzene             | 116    | Limit: 78-121 | % Rec | 1  |      | 10/03/24 0000 | 10/04/24 0638 | BDF     |

| Determination of Total Metals | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |              |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Arsenic, total                | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Barium, total                 | <b>0.160</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Beryllium, total              | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Cadmium, total                | <0.0008      | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Chromium, total               | <0.0080      | 0.0080 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Cobalt, total                 | <0.0004      | 0.0004 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Copper, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Lead, total                   | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Nickel, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Selenium, total               | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Silver, total                 | <0.0040      | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Thallium, total               | <0.0020      | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Vanadium, total               | <0.0200      | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |
| Zinc, total                   | <0.0200      | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2315 | RVV     |

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CERTIFICATE OF ANALYSIS

1HJ0247

|                          |                 |                         |               |
|--------------------------|-----------------|-------------------------|---------------|
| <b>Client Sample ID:</b> | Field Duplicate | <b>Collected By:</b>    | Whipple, Todd |
| <b>Sample Matrix:</b>    | Aqueous         | <b>Collection Date:</b> | 09/30/2024    |
| <b>Lab Sample ID:</b>    | 1HJ0247-20      |                         |               |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2322 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2322 | RVV     |
| Barium, total                 | <b>0.0271</b> | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2322 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2322 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2322 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 10/30/24 1122 | 10/31/24 1324 | JAR     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 10/30/24 1122 | 10/31/24 1324 | JAR     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/30/24 1122 | 10/31/24 1324 | JAR     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/30/24 1122 | 10/31/24 1324 | JAR     |
| Nickel, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/30/24 1122 | 10/31/24 1324 | JAR     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2322 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2322 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2322 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2322 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 10/07/24 0755 | 10/07/24 2322 | RVV     |



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CERTIFICATE OF ANALYSIS

1HJ0247

Batch Log Summary

| Method     | Batch   | Laboratory ID | Client / Source ID |
|------------|---------|---------------|--------------------|
| EPA 8260B  | 1HJ0299 | 1HJ0299-BS1   |                    |
|            |         | 1HJ0299-BSD1  |                    |
|            |         | 1HJ0299-MS1   | 1HJ0247-07         |
|            |         | 1HJ0299-MSD1  | 1HJ0247-07         |
|            |         | 1HJ0299-BLK1  |                    |
|            |         | 1HJ0247-01    | MW91-8             |
|            |         | 1HJ0247-01    | MW91-8             |
|            |         | 1HJ0247-02    | MW02-15A           |
|            |         | 1HJ0247-02    | MW02-15A           |
|            |         | 1HJ0247-03    | MW98-28            |
|            |         | 1HJ0247-03    | MW98-28            |
|            |         | 1HJ0247-04    | MW02-30A           |
|            |         | 1HJ0247-04    | MW02-30A           |
|            |         | 1HJ0247-05    | MW88-2             |
|            |         | 1HJ0247-05    | MW88-2             |
|            |         | 1HJ0247-06    | MW94-18            |
|            |         | 1HJ0247-06    | MW94-18            |
|            |         | 1HJ0247-07    | MW09-40            |
|            |         | 1HJ0247-07    | MW09-40            |
|            |         | 1HJ0247-08    | MW91-10            |
|            |         | 1HJ0247-08    | MW91-10            |
|            |         | 1HJ0247-09    | MW96-21            |
|            |         | 1HJ0247-09    | MW96-21            |
|            |         | 1HJ0247-10    | MW96-24            |
|            |         | 1HJ0247-10    | MW96-24            |
|            |         | 1HJ0247-11    | MW88-3             |
|            |         | 1HJ0247-11    | MW88-3             |
|            |         | 1HJ0247-12    | MW96-23            |
|            |         | 1HJ0247-12    | MW96-23            |
|            |         | 1HJ0247-13    | MW21-43            |
|            |         | 1HJ0247-13    | MW21-43            |
|            |         | 1HJ0247-14    | GU-3               |
| 1HJ0247-14 | GU-3    |               |                    |
| 1HJ0247-15 | PEC-3   |               |                    |
| 1HJ0247-15 | PEC-3   |               |                    |
| 1HJ0247-16 | MW98-25 |               |                    |
| 1HJ0247-16 | MW98-25 |               |                    |
| 1HJ0247-17 | MW06-37 |               |                    |
| 1HJ0247-17 | MW06-37 |               |                    |



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CERTIFICATE OF ANALYSIS

1HJ0247

|           |         |            |         |
|-----------|---------|------------|---------|
| EPA 8260B | 1HJ0299 | 1HJ0247-18 | MW06-38 |
|           |         | 1HJ0247-18 | MW06-38 |
|           |         | 1HJ0247-19 | MW06-39 |
|           |         | 1HJ0247-19 | MW06-39 |

| Method | Batch | Laboratory ID | Client / Source ID |
|--------|-------|---------------|--------------------|
|--------|-------|---------------|--------------------|

|            |                 |              |            |
|------------|-----------------|--------------|------------|
| EPA 6020A  | 1HJ0347         | 1HJ0347-BLK1 |            |
|            |                 | 1HJ0347-BS1  |            |
|            |                 | 1HJ0247-01   | MW91-8     |
|            |                 | 1HJ0347-MS1  | 1HJ0247-01 |
|            |                 | 1HJ0347-MSD1 | 1HJ0247-01 |
|            |                 | 1HJ0347-PS1  | 1HJ0247-01 |
|            |                 | 1HJ0247-02   | MW02-15A   |
|            |                 | 1HJ0247-03   | MW98-28    |
|            |                 | 1HJ0247-04   | MW02-30A   |
|            |                 | 1HJ0247-05   | MW88-2     |
|            |                 | 1HJ0247-06   | MW94-18    |
|            |                 | 1HJ0247-07   | MW09-40    |
|            |                 | 1HJ0247-08   | MW91-10    |
|            |                 | 1HJ0247-09   | MW96-21    |
|            |                 | 1HJ0247-10   | MW96-24    |
|            |                 | 1HJ0247-11   | MW88-3     |
|            |                 | 1HJ0247-12   | MW96-23    |
|            |                 | 1HJ0247-13   | MW21-43    |
|            |                 | 1HJ0247-14   | GU-3       |
|            |                 | 1HJ0247-16   | MW98-25    |
| 1HJ0247-17 | MW06-37         |              |            |
| 1HJ0247-18 | MW06-38         |              |            |
| 1HJ0247-19 | MW06-39         |              |            |
| 1HJ0247-20 | Field Duplicate |              |            |

| Method | Batch | Laboratory ID | Client / Source ID |
|--------|-------|---------------|--------------------|
|--------|-------|---------------|--------------------|

|           |         |               |                 |
|-----------|---------|---------------|-----------------|
| EPA 6020A | 1HJ1786 | 1HJ1786-BLK1  |                 |
|           |         | 1HJ1786-BS1   |                 |
|           |         | 1HJ1786-MS1   | 1HJ2157-01      |
|           |         | 1HJ1786-MSD1  | 1HJ2157-01      |
|           |         | 1HJ1786-PS1   | 1HJ2157-01      |
|           |         | 1HJ0247-20RE3 | Field Duplicate |

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Batch 1HJ0299 - EPA 5030B - EPA 8260B       |        |    |       |             |               |      |             |     |           |       |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HJ0247

| Determination of Volatile Organic Compounds  | Result | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|------|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HJ0299 - EPA 5030B - EPA 8260B</b> |        |      |       |   |               |      |             |     |           |       |
| <b>Blank (1HJ0299-BLK1)</b>                  |        |      |       |   |               |      |             |     |           |       |
|  |        |      |       | Prepared: 10/03/24 00:00 Analyzed: 10/03/24 23:31 |               |      |             |     |           |       |
| Dichlorodifluoromethane                      | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Chloromethane                                | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Vinyl Chloride                               | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Bromomethane                                 | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Chloroethane                                 | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Trichlorofluoromethane                       | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| 1,1-Dichloroethylene                         | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Acetone                                      | <10.0  | 10.0 | ug/L  |   |               |      |             |     |           |       |
| Methyl Iodide                                | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Carbon Disulfide                             | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Methylene Chloride                           | <5.0   | 5.0  | ug/L  |   |               |      |             |     |           |       |
| Acrylonitrile                                | <5.0   | 5.0  | ug/L  |   |               |      |             |     |           |       |
| trans-1,2-Dichloroethylene                   | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| 1,1-Dichloroethane                           | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Vinyl Acetate                                | <5.0   | 5.0  | ug/L  |   |               |      |             |     |           |       |
| cis-1,2-Dichloroethylene                     | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| 2-Butanone (MEK)                             | <10.0  | 10.0 | ug/L  |   |               |      |             |     |           |       |
| Bromochloromethane                           | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Chloroform                                   | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| 1,1,1-Trichloroethane                        | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Carbon Tetrachloride                         | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Benzene                                      | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| 1,2-Dichloroethane                           | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Trichloroethylene                            | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| 1,2-Dichloropropane                          | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Dibromomethane                               | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Bromodichloromethane                         | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| cis-1,3-Dichloropropene                      | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                  | <5.0   | 5.0  | ug/L  |   |               |      |             |     |           |       |
| Toluene                                      | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| trans-1,3-Dichloropropene                    | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| 1,1,2-Trichloroethane                        | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| Tetrachloroethylene                          | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| 2-Hexanone (MBK)                             | <5.0   | 5.0  | ug/L  |   |               |      |             |     |           |       |
| Dibromochloromethane                         | <1.0   | 1.0  | ug/L  |   |               |      |             |     |           |       |
| 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  |   |               |      |             |     |           |       |

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CERTIFICATE OF ANALYSIS

1HJ0247

| Determination of Volatile Organic Compounds  | Result | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|------|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HJ0299 - EPA 5030B - EPA 8260B</b> |        |      |       |   |               |      |             |     |           |       |
| <b>Blank (1HJ0299-BLK1)</b>                  |        |      |       |   |               |      |             |     |           |       |
|  |        |      |       | Prepared: 10/03/24 00:00 Analyzed: 10/03/24 23:31 |               |      |             |     |           |       |
| 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  |   |               |      |             |     |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 46.2   |      | ug/L  | 50.2  |               | 92.1 | 57-134      |     |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 46.2   |      | ug/L  | 50.2  |               | 92.1 | 75-136      |     |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 47.7   |      | ug/L  | 50.4  |               | 94.8 | 53-140      |     |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 47.7   |      | ug/L  | 50.4  |               | 94.8 | 61-142      |     |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 49.8   |      | ug/L  | 50.5  |               | 98.8 | 86-114      |     |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 49.8   |      | ug/L  | 50.5  |               | 98.8 | 82-121      |     |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 53.3   |      | ug/L  | 50.2  |               | 106  | 78-121      |     |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 53.3   |      | ug/L  | 50.2  |               | 106  | 80-116      |     |           |       |
| <b>LCS (1HJ0299-BS1)</b>                     |        |      |       |   |               |      |             |     |           |       |
|  |        |      |       | Prepared: 10/03/24 00:00 Analyzed: 10/03/24 21:38 |               |      |             |     |           |       |
| Dichlorodifluoromethane                      | 28.29  | 1.0  | ug/L  | 30.0  |               | 94.3 | 49-138      |     |           |       |
| Chloromethane                                | 30.13  | 1.0  | ug/L  | 30.0  |               | 100  | 63-155      |     |           |       |
| Vinyl Chloride                               | 25.30  | 1.0  | ug/L  | 30.0  |               | 84.3 | 70-154      |     |           |       |
| Bromomethane                                 | 19.67  | 1.0  | ug/L  | 30.0  |               | 65.6 | 52-176      |     |           |       |
| Chloroethane                                 | 34.09  | 1.0  | ug/L  | 30.0  |               | 114  | 72-148      |     |           |       |
| Trichlorofluoromethane                       | 30.44  | 1.0  | ug/L  | 30.0  |               | 101  | 70-152      |     |           |       |
| 1,1-Dichloroethylene                         | 99.96  | 1.0  | ug/L  | 100   |               | 100  | 70-148      |     |           |       |
| Acetone                                      | 106.1  | 10.0 | ug/L  | 101   |               | 105  | 43-172      |     |           |       |
| Methyl Iodide                                | 102.0  | 1.0  | ug/L  | 102   |               | 100  | 69-170      |     |           |       |
| Carbon Disulfide                             | 103.6  | 1.0  | ug/L  | 103   |               | 101  | 72-162      |     |           |       |
| Methylene Chloride                           | 99.31  | 5.0  | ug/L  | 100   |               | 99.3 | 68-142      |     |           |       |
| Acrylonitrile                                | 106.0  | 5.0  | ug/L  | 100   |               | 106  | 56-135      |     |           |       |
| trans-1,2-Dichloroethylene                   | 100.2  | 1.0  | ug/L  | 100   |               | 100  | 66-148      |     |           |       |
| 1,1-Dichloroethane                           | 102.2  | 1.0  | ug/L  | 100   |               | 102  | 66-143      |     |           |       |
| Vinyl Acetate                                | 102.1  | 5.0  | ug/L  | 100   |               | 102  | 43-153      |     |           |       |
| cis-1,2-Dichloroethylene                     | 92.38  | 1.0  | ug/L  | 100   |               | 92.4 | 71-149      |     |           |       |
| 2-Butanone (MEK)                             | 105.0  | 10.0 | ug/L  | 102   |               | 103  | 52-159      |     |           |       |
| Bromochloromethane                           | 103.0  | 1.0  | ug/L  | 100   |               | 103  | 69-143      |     |           |       |
| Chloroform                                   | 92.93  | 1.0  | ug/L  | 100   |               | 92.9 | 69-144      |     |           |       |
| 1,1,1-Trichloroethane                        | 86.86  | 1.0  | ug/L  | 100   |               | 86.9 | 62-129      |     |           |       |
| Carbon Tetrachloride                         | 90.37  | 1.0  | ug/L  | 100   |               | 90.4 | 63-141      |     |           |       |
| Benzene                                      | 107.9  | 1.0  | ug/L  | 100   |               | 108  | 71-134      |     |           |       |
| 1,2-Dichloroethane                           | 103.1  | 1.0  | ug/L  | 100   |               | 103  | 72-132      |     |           |       |
| Trichloroethylene                            | 99.90  | 1.0  | ug/L  | 100   |               | 99.9 | 71-135      |     |           |       |
| 1,2-Dichloropropane                          | 101.1  | 1.0  | ug/L  | 100   |               | 101  | 69-136      |     |           |       |
| Dibromomethane                               | 98.64  | 1.0  | ug/L  | 100   |               | 98.6 | 73-147      |     |           |       |
| Bromodichloromethane                         | 96.78  | 1.0  | ug/L  | 100   |               | 96.8 | 68-129      |     |           |       |
| cis-1,3-Dichloropropene                      | 100.8  | 1.0  | ug/L  | 100   |               | 101  | 65-134      |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                  | 119.6  | 5.0  | ug/L  | 100   |               | 119  | 58-147      |     |           |       |

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| Determination of Volatile Organic Compounds  | Result | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|--------|------|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HJ0299 - EPA 5030B - EPA 8260B</b> |        |      |       |   |               |      |             |       |           |       |
| <b>LCS (1HJ0299-BS1)</b>                     |        |      |       |   |               |      |             |       |           |       |
|  |        |      |       | Prepared: 10/03/24 00:00 Analyzed: 10/03/24 21:38 |               |      |             |       |           |       |
| Toluene                                      | 100.2  | 1.0  | ug/L  | 100   | 100           | 100  | 72-133      |       |           |       |
| trans-1,3-Dichloropropene                    | 100.0  | 1.0  | ug/L  | 100   | 100           | 100  | 67-130      |       |           |       |
| 1,1,2-Trichloroethane                        | 101.4  | 1.0  | ug/L  | 100   | 101           | 101  | 69-135      |       |           |       |
| Tetrachloroethylene                          | 101.6  | 1.0  | ug/L  | 100   | 102           | 102  | 69-130      |       |           |       |
| 2-Hexanone (MBK)                             | 119.8  | 5.0  | ug/L  | 99.3  | 121           | 121  | 55-144      |       |           |       |
| Dibromochloromethane                         | 99.35  | 1.0  | ug/L  | 100   | 99.4          | 99.4 | 73-127      |       |           |       |
| 1,2-Dibromoethane                            | 100.3  | 1.0  | ug/L  | 100   | 100           | 100  | 67-132      |       |           |       |
| Chlorobenzene                                | 100.7  | 1.0  | ug/L  | 100   | 101           | 101  | 72-123      |       |           |       |
| 1,1,1,2-Tetrachloroethane                    | 97.61  | 1.0  | ug/L  | 100   | 97.6          | 97.6 | 73-127      |       |           |       |
| Ethylbenzene                                 | 100.3  | 1.0  | ug/L  | 100   | 100           | 100  | 71-127      |       |           |       |
| Xylenes, total                               | 307.8  | 2.0  | ug/L  | 300   | 103           | 103  | 74-127      |       |           |       |
| Styrene                                      | 100.6  | 1.0  | ug/L  | 100   | 101           | 101  | 66-126      |       |           |       |
| Bromoform                                    | 96.09  | 1.0  | ug/L  | 100   | 96.1          | 96.1 | 68-130      |       |           |       |
| 1,2,3-Trichloropropane                       | 105.1  | 1.0  | ug/L  | 100   | 105           | 105  | 63-136      |       |           |       |
| trans-1,4-Dichloro-2-butene                  | 93.41  | 5.0  | ug/L  | 103   | 90.9          | 90.9 | 54-134      |       |           |       |
| 1,1,2,2-Tetrachloroethane                    | 135.7  | 1.0  | ug/L  | 100   | 136           | 136  | 61-131      |       |           | Q2    |
| 1,4-Dichlorobenzene                          | 100.8  | 1.0  | ug/L  | 100   | 101           | 101  | 70-129      |       |           |       |
| 1,2-Dichlorobenzene                          | 99.15  | 1.0  | ug/L  | 100   | 99.2          | 99.2 | 69-126      |       |           |       |
| 1,2-Dibromo-3-chloropropane                  | 102.7  | 5.0  | ug/L  | 100   | 103           | 103  | 50-143      |       |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       |        |      |       |   |               |      |             |       |           |       |
|  | 46.2   |      | ug/L  | 50.2  | 92.0          | 92.0 | 57-134      |       |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       |        |      |       |   |               |      |             |       |           |       |
|  | 46.2   |      | ug/L  | 50.2  | 92.0          | 92.0 | 75-136      |       |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      |        |      |       |   |               |      |             |       |           |       |
|  | 46.9   |      | ug/L  | 50.4  | 93.1          | 93.1 | 53-140      |       |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      |        |      |       |   |               |      |             |       |           |       |
|  | 46.9   |      | ug/L  | 50.4  | 93.1          | 93.1 | 61-142      |       |           |       |
| <i>Surrogate: Toluene-d8</i>                 |        |      |       |   |               |      |             |       |           |       |
|  | 52.2   |      | ug/L  | 50.5  | 103           | 103  | 86-114      |       |           |       |
| <i>Surrogate: Toluene-d8</i>                 |        |      |       |   |               |      |             |       |           |       |
|  | 52.2   |      | ug/L  | 50.5  | 103           | 103  | 82-121      |       |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       |        |      |       |   |               |      |             |       |           |       |
|  | 51.0   |      | ug/L  | 50.2  | 102           | 102  | 78-121      |       |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       |        |      |       |   |               |      |             |       |           |       |
|  | 51.0   |      | ug/L  | 50.2  | 102           | 102  | 80-116      |       |           |       |
| <b>LCS Dup (1HJ0299-BSD1)</b>                |        |      |       |   |               |      |             |       |           |       |
|  |        |      |       | Prepared: 10/03/24 00:00 Analyzed: 10/03/24 22:01 |               |      |             |       |           |       |
| Dichlorodifluoromethane                      | 29.73  | 1.0  | ug/L  | 30.0  | 99.1          | 99.1 | 49-138      | 4.96  | 22        |       |
| Chloromethane                                | 29.72  | 1.0  | ug/L  | 30.0  | 99.1          | 99.1 | 63-155      | 1.37  | 24        |       |
| Vinyl Chloride                               | 25.19  | 1.0  | ug/L  | 30.0  | 84.0          | 84.0 | 70-154      | 0.436 | 25        |       |
| Bromomethane                                 | 19.69  | 1.0  | ug/L  | 30.0  | 65.6          | 65.6 | 52-176      | 0.102 | 27        |       |
| Chloroethane                                 | 33.36  | 1.0  | ug/L  | 30.0  | 111           | 111  | 72-148      | 2.16  | 25        |       |
| Trichlorofluoromethane                       | 30.82  | 1.0  | ug/L  | 30.0  | 103           | 103  | 70-152      | 1.24  | 26        |       |
| 1,1-Dichloroethylene                         | 97.95  | 1.0  | ug/L  | 100   | 98.0          | 98.0 | 70-148      | 2.03  | 24        |       |
| Acetone                                      | 107.0  | 10.0 | ug/L  | 101   | 106           | 106  | 43-172      | 0.807 | 30        |       |
| Methyl Iodide                                | 101.2  | 1.0  | ug/L  | 102   | 99.4          | 99.4 | 69-170      | 0.767 | 30        |       |
| Carbon Disulfide                             | 102.4  | 1.0  | ug/L  | 103   | 99.8          | 99.8 | 72-162      | 1.14  | 24        |       |
| Methylene Chloride                           | 99.63  | 5.0  | ug/L  | 100   | 99.6          | 99.6 | 68-142      | 0.322 | 21        |       |
| Acrylonitrile                                | 105.2  | 5.0  | ug/L  | 100   | 105           | 105  | 56-135      | 0.805 | 16        |       |
| trans-1,2-Dichloroethylene                   | 99.15  | 1.0  | ug/L  | 100   | 99.2          | 99.2 | 66-148      | 1.06  | 27        |       |
| 1,1-Dichloroethane                           | 100.8  | 1.0  | ug/L  | 100   | 101           | 101  | 66-143      | 1.34  | 24        |       |
| Vinyl Acetate                                | 103.3  | 5.0  | ug/L  | 100   | 103           | 103  | 43-153      | 1.16  | 30        |       |

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| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HJ0299 - EPA 5030B - EPA 8260B

LCS Dup (1HJ0299-BSD1)

Prepared: 10/03/24 00:00 Analyzed: 10/03/24 22:01

|                             |       |      |      |      |  |      |        |        |    |    |
|-----------------------------|-------|------|------|------|--|------|--------|--------|----|----|
| cis-1,2-Dichloroethylene    | 90.55 | 1.0  | ug/L | 100  |  | 90.6 | 71-149 | 2.00   | 26 |    |
| 2-Butanone (MEK)            | 107.9 | 10.0 | ug/L | 102  |  | 106  | 52-159 | 2.79   | 27 |    |
| Bromochloromethane          | 102.9 | 1.0  | ug/L | 100  |  | 103  | 69-143 | 0.0971 | 23 |    |
| Chloroform                  | 91.54 | 1.0  | ug/L | 100  |  | 91.5 | 69-144 | 1.51   | 23 |    |
| 1,1,1-Trichloroethane       | 85.62 | 1.0  | ug/L | 100  |  | 85.6 | 62-129 | 1.44   | 24 |    |
| Carbon Tetrachloride        | 89.83 | 1.0  | ug/L | 100  |  | 89.8 | 63-141 | 0.599  | 25 |    |
| Benzene                     | 106.4 | 1.0  | ug/L | 100  |  | 106  | 71-134 | 1.36   | 24 |    |
| 1,2-Dichloroethane          | 101.8 | 1.0  | ug/L | 100  |  | 102  | 72-132 | 1.30   | 24 |    |
| Trichloroethylene           | 97.49 | 1.0  | ug/L | 100  |  | 97.5 | 71-135 | 2.44   | 24 |    |
| 1,2-Dichloropropane         | 99.37 | 1.0  | ug/L | 100  |  | 99.4 | 69-136 | 1.73   | 24 |    |
| Dibromomethane              | 99.35 | 1.0  | ug/L | 100  |  | 99.4 | 73-147 | 0.717  | 25 |    |
| Bromodichloromethane        | 96.19 | 1.0  | ug/L | 100  |  | 96.2 | 68-129 | 0.611  | 22 |    |
| cis-1,3-Dichloropropene     | 99.67 | 1.0  | ug/L | 100  |  | 99.7 | 65-134 | 1.13   | 23 |    |
| 4-Methyl-2-pentanone (MIBK) | 119.0 | 5.0  | ug/L | 100  |  | 119  | 58-147 | 0.528  | 27 |    |
| Toluene                     | 99.16 | 1.0  | ug/L | 100  |  | 99.2 | 72-133 | 1.04   | 24 |    |
| trans-1,3-Dichloropropene   | 99.48 | 1.0  | ug/L | 100  |  | 99.5 | 67-130 | 0.571  | 24 |    |
| 1,1,2-Trichloroethane       | 99.90 | 1.0  | ug/L | 100  |  | 99.9 | 69-135 | 1.47   | 23 |    |
| Tetrachloroethylene         | 99.47 | 1.0  | ug/L | 100  |  | 99.5 | 69-130 | 2.17   | 25 |    |
| 2-Hexanone (MBK)            | 117.1 | 5.0  | ug/L | 99.3 |  | 118  | 55-144 | 2.27   | 25 |    |
| Dibromochloromethane        | 98.95 | 1.0  | ug/L | 100  |  | 99.0 | 73-127 | 0.403  | 22 |    |
| 1,2-Dibromoethane           | 99.38 | 1.0  | ug/L | 100  |  | 99.4 | 67-132 | 0.941  | 24 |    |
| Chlorobenzene               | 99.42 | 1.0  | ug/L | 100  |  | 99.4 | 72-123 | 1.28   | 23 |    |
| 1,1,1,2-Tetrachloroethane   | 95.99 | 1.0  | ug/L | 100  |  | 96.0 | 73-127 | 1.67   | 24 |    |
| Ethylbenzene                | 98.04 | 1.0  | ug/L | 100  |  | 98.0 | 71-127 | 2.29   | 26 |    |
| Xylenes, total              | 304.4 | 2.0  | ug/L | 300  |  | 101  | 74-127 | 1.11   | 25 |    |
| Styrene                     | 99.51 | 1.0  | ug/L | 100  |  | 99.5 | 66-126 | 1.09   | 23 |    |
| Bromoform                   | 95.01 | 1.0  | ug/L | 100  |  | 95.0 | 68-130 | 1.13   | 23 |    |
| 1,2,3-Trichloropropane      | 104.3 | 1.0  | ug/L | 100  |  | 104  | 63-136 | 0.821  | 24 |    |
| trans-1,4-Dichloro-2-butene | 92.21 | 5.0  | ug/L | 103  |  | 89.7 | 54-134 | 1.29   | 27 |    |
| 1,1,2,2-Tetrachloroethane   | 140.2 | 1.0  | ug/L | 100  |  | 140  | 61-131 | 3.25   | 29 | Q2 |
| 1,4-Dichlorobenzene         | 102.1 | 1.0  | ug/L | 100  |  | 102  | 70-129 | 1.29   | 24 |    |
| 1,2-Dichlorobenzene         | 100.6 | 1.0  | ug/L | 100  |  | 101  | 69-126 | 1.48   | 26 |    |
| 1,2-Dibromo-3-chloropropane | 103.8 | 5.0  | ug/L | 100  |  | 104  | 50-143 | 1.11   | 30 |    |

|                                  |      |  |      |      |  |      |        |  |  |  |
|----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane  | 46.0 |  | ug/L | 50.2 |  | 91.5 | 57-134 |  |  |  |
| Surrogate: Dibromofluoromethane  | 46.0 |  | ug/L | 50.2 |  | 91.5 | 75-136 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 46.4 |  | ug/L | 50.4 |  | 92.1 | 53-140 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 46.4 |  | ug/L | 50.4 |  | 92.1 | 61-142 |  |  |  |
| Surrogate: Toluene-d8            | 52.1 |  | ug/L | 50.5 |  | 103  | 86-114 |  |  |  |
| Surrogate: Toluene-d8            | 52.1 |  | ug/L | 50.5 |  | 103  | 82-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 50.5 |  | ug/L | 50.2 |  | 101  | 78-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 50.5 |  | ug/L | 50.2 |  | 101  | 80-116 |  |  |  |

Matrix Spike (1HJ0299-MS1)

Source: 1HJ0247-07

Prepared: 10/03/24 00:00 Analyzed: 10/03/24 22:23

|                         |       |      |      |     |    |      |        |  |  |  |
|-------------------------|-------|------|------|-----|----|------|--------|--|--|--|
| Dichlorodifluoromethane | 297.1 | 10.0 | ug/L | 300 | ND | 99.0 | 37-140 |  |  |  |
|-------------------------|-------|------|------|-----|----|------|--------|--|--|--|

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| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HJ0299 - EPA 5030B - EPA 8260B</b> |                           |      |       |   |               |      |             |     |           |       |
| <b>Matrix Spike (1HJ0299-MS1)</b>            | <b>Source: 1HJ0247-07</b> |      |       | Prepared: 10/03/24 00:00 Analyzed: 10/03/24 22:23 |               |      |             |     |           |       |
| Chloromethane                                | 291.4                     | 10.0 | ug/L  | 300   | ND            | 97.1 | 61-152      |     |           |       |
| Vinyl Chloride                               | 250.6                     | 10.0 | ug/L  | 300   | ND            | 83.5 | 66-149      |     |           |       |
| Bromomethane                                 | 195.3                     | 10.0 | ug/L  | 300   | ND            | 65.1 | 43-171      |     |           |       |
| Chloroethane                                 | 330.0                     | 10.0 | ug/L  | 300   | ND            | 110  | 69-148      |     |           |       |
| Trichlorofluoromethane                       | 310.5                     | 10.0 | ug/L  | 300   | ND            | 104  | 62-163      |     |           |       |
| 1,1-Dichloroethylene                         | 977.4                     | 10.0 | ug/L  | 1000  | ND            | 97.7 | 70-148      |     |           |       |
| Acetone                                      | 1088                      | 100  | ug/L  | 1010  | ND            | 108  | 45-173      |     |           |       |
| Methyl Iodide                                | 991.9                     | 10.0 | ug/L  | 1020  | ND            | 97.4 | 62-167      |     |           |       |
| Carbon Disulfide                             | 1025                      | 10.0 | ug/L  | 1030  | ND            | 99.8 | 71-163      |     |           |       |
| Methylene Chloride                           | 970.8                     | 50.0 | ug/L  | 1000  | ND            | 97.1 | 69-140      |     |           |       |
| Acrylonitrile                                | 1036                      | 50.0 | ug/L  | 1000  | ND            | 103  | 38-147      |     |           |       |
| trans-1,2-Dichloroethylene                   | 997.0                     | 10.0 | ug/L  | 1000  | ND            | 99.7 | 69-144      |     |           |       |
| 1,1-Dichloroethane                           | 995.3                     | 10.0 | ug/L  | 1000  | ND            | 99.5 | 70-138      |     |           |       |
| Vinyl Acetate                                | 1009                      | 50.0 | ug/L  | 1000  | ND            | 101  | 58-142      |     |           |       |
| cis-1,2-Dichloroethylene                     | 902.6                     | 10.0 | ug/L  | 1000  | ND            | 90.3 | 68-151      |     |           |       |
| 2-Butanone (MEK)                             | 1054                      | 100  | ug/L  | 1020  | ND            | 104  | 50-160      |     |           |       |
| Bromochloromethane                           | 1014                      | 10.0 | ug/L  | 1000  | ND            | 101  | 65-143      |     |           |       |
| Chloroform                                   | 913.8                     | 10.0 | ug/L  | 1000  | ND            | 91.4 | 71-143      |     |           |       |
| 1,1,1-Trichloroethane                        | 864.0                     | 10.0 | ug/L  | 1000  | ND            | 86.4 | 63-133      |     |           |       |
| Carbon Tetrachloride                         | 899.1                     | 10.0 | ug/L  | 1000  | ND            | 89.9 | 63-142      |     |           |       |
| Benzene                                      | 1046                      | 10.0 | ug/L  | 1000  | ND            | 105  | 69-133      |     |           |       |
| 1,2-Dichloroethane                           | 1004                      | 10.0 | ug/L  | 1000  | ND            | 100  | 63-138      |     |           |       |
| Trichloroethylene                            | 969.3                     | 10.0 | ug/L  | 1000  | ND            | 96.9 | 71-133      |     |           |       |
| 1,2-Dichloropropane                          | 975.8                     | 10.0 | ug/L  | 1000  | ND            | 97.6 | 69-132      |     |           |       |
| Dibromomethane                               | 965.3                     | 10.0 | ug/L  | 1000  | ND            | 96.5 | 70-147      |     |           |       |
| Bromodichloromethane                         | 947.0                     | 10.0 | ug/L  | 1000  | ND            | 94.7 | 67-130      |     |           |       |
| cis-1,3-Dichloropropene                      | 976.4                     | 10.0 | ug/L  | 1000  | ND            | 97.6 | 61-126      |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                  | 1155                      | 50.0 | ug/L  | 1000  | ND            | 115  | 55-147      |     |           |       |
| Toluene                                      | 978.4                     | 10.0 | ug/L  | 1000  | ND            | 97.8 | 71-133      |     |           |       |
| trans-1,3-Dichloropropene                    | 973.3                     | 10.0 | ug/L  | 1000  | ND            | 97.3 | 63-124      |     |           |       |
| 1,1,2-Trichloroethane                        | 991.3                     | 10.0 | ug/L  | 1000  | ND            | 99.1 | 69-133      |     |           |       |
| Tetrachloroethylene                          | 996.6                     | 10.0 | ug/L  | 1000  | ND            | 99.7 | 70-124      |     |           |       |
| 2-Hexanone (MBK)                             | 1140                      | 50.0 | ug/L  | 993   | ND            | 115  | 53-141      |     |           |       |
| Dibromochloromethane                         | 960.5                     | 10.0 | ug/L  | 1000  | ND            | 96.0 | 74-122      |     |           |       |
| 1,2-Dibromoethane                            | 974.9                     | 10.0 | ug/L  | 1000  | ND            | 97.5 | 66-127      |     |           |       |
| Chlorobenzene                                | 991.4                     | 10.0 | ug/L  | 1000  | ND            | 99.1 | 76-116      |     |           |       |
| 1,1,1,2-Tetrachloroethane                    | 945.2                     | 10.0 | ug/L  | 1000  | ND            | 94.5 | 77-121      |     |           |       |
| Ethylbenzene                                 | 970.7                     | 10.0 | ug/L  | 1000  | ND            | 97.1 | 73-124      |     |           |       |
| Xylenes, total                               | 3025                      | 20.0 | ug/L  | 3000  | ND            | 101  | 75-123      |     |           |       |
| Styrene                                      | 980.5                     | 10.0 | ug/L  | 1000  | ND            | 98.0 | 70-120      |     |           |       |
| Bromoform                                    | 932.8                     | 10.0 | ug/L  | 1000  | ND            | 93.3 | 70-124      |     |           |       |
| 1,2,3-Trichloropropane                       | 1017                      | 10.0 | ug/L  | 1000  | ND            | 102  | 62-135      |     |           |       |
| trans-1,4-Dichloro-2-butene                  | 898.6                     | 50.0 | ug/L  | 1030  | ND            | 87.4 | 50-120      |     |           |       |

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| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HJ0299 - EPA 5030B - EPA 8260B</b> |                           |      |       |   |               |      |             |       |           |       |
| <b>Matrix Spike (1HJ0299-MS1)</b>            | <b>Source: 1HJ0247-07</b> |      |       | Prepared: 10/03/24 00:00 Analyzed: 10/03/24 22:23 |               |      |             |       |           |       |
| 1,1,2,2-Tetrachloroethane                    | 1307                      | 10.0 | ug/L  | 1000  | ND            | 131  | 63-126      |       |           | M1    |
| 1,4-Dichlorobenzene                          | 977.6                     | 10.0 | ug/L  | 1000  | ND            | 97.8 | 72-119      |       |           |       |
| 1,2-Dichlorobenzene                          | 974.3                     | 10.0 | ug/L  | 1000  | ND            | 97.4 | 71-117      |       |           |       |
| 1,2-Dibromo-3-chloropropane                  | 1015                      | 50.0 | ug/L  | 1000  | ND            | 101  | 49-134      |       |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 462                       |      | ug/L  | 502   |               | 92.0 | 57-134      |       |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 462                       |      | ug/L  | 502   |               | 92.0 | 75-136      |       |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 469                       |      | ug/L  | 504   |               | 93.1 | 53-140      |       |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 469                       |      | ug/L  | 504   |               | 93.1 | 61-142      |       |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 522                       |      | ug/L  | 505   |               | 104  | 86-114      |       |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 522                       |      | ug/L  | 505   |               | 104  | 82-121      |       |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 508                       |      | ug/L  | 502   |               | 101  | 78-121      |       |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 508                       |      | ug/L  | 502   |               | 101  | 80-116      |       |           |       |
| <b>Matrix Spike Dup (1HJ0299-MSD1)</b>       | <b>Source: 1HJ0247-07</b> |      |       | Prepared: 10/03/24 00:00 Analyzed: 10/03/24 22:46 |               |      |             |       |           |       |
| Dichlorodifluoromethane                      | 258.9                     | 10.0 | ug/L  | 300   | ND            | 86.3 | 37-140      | 13.7  | 18        |       |
| Chloromethane                                | 275.2                     | 10.0 | ug/L  | 300   | ND            | 91.7 | 61-152      | 5.72  | 26        |       |
| Vinyl Chloride                               | 236.0                     | 10.0 | ug/L  | 300   | ND            | 78.7 | 66-149      | 6.00  | 23        |       |
| Bromomethane                                 | 184.2                     | 10.0 | ug/L  | 300   | ND            | 61.4 | 43-171      | 5.85  | 29        |       |
| Chloroethane                                 | 315.9                     | 10.0 | ug/L  | 300   | ND            | 105  | 69-148      | 4.37  | 25        |       |
| Trichlorofluoromethane                       | 284.4                     | 10.0 | ug/L  | 300   | ND            | 94.8 | 62-163      | 8.77  | 25        |       |
| 1,1-Dichloroethylene                         | 931.5                     | 10.0 | ug/L  | 1000  | ND            | 93.2 | 70-148      | 4.81  | 22        |       |
| Acetone                                      | 1096                      | 100  | ug/L  | 1010  | ND            | 108  | 45-173      | 0.714 | 30        |       |
| Methyl Iodide                                | 943.2                     | 10.0 | ug/L  | 1020  | ND            | 92.6 | 62-167      | 5.03  | 24        |       |
| Carbon Disulfide                             | 967.0                     | 10.0 | ug/L  | 1030  | ND            | 94.2 | 71-163      | 5.78  | 22        |       |
| Methylene Chloride                           | 936.8                     | 50.0 | ug/L  | 1000  | ND            | 93.7 | 69-140      | 3.56  | 19        |       |
| Acrylonitrile                                | 1032                      | 50.0 | ug/L  | 1000  | ND            | 103  | 38-147      | 0.377 | 30        |       |
| trans-1,2-Dichloroethylene                   | 948.1                     | 10.0 | ug/L  | 1000  | ND            | 94.8 | 69-144      | 5.03  | 22        |       |
| 1,1-Dichloroethane                           | 964.0                     | 10.0 | ug/L  | 1000  | ND            | 96.4 | 70-138      | 3.20  | 20        |       |
| Vinyl Acetate                                | 988.2                     | 50.0 | ug/L  | 1000  | ND            | 98.8 | 58-142      | 2.10  | 24        |       |
| cis-1,2-Dichloroethylene                     | 861.7                     | 10.0 | ug/L  | 1000  | ND            | 86.2 | 68-151      | 4.64  | 22        |       |
| 2-Butanone (MEK)                             | 1050                      | 100  | ug/L  | 1020  | ND            | 103  | 50-160      | 0.361 | 23        |       |
| Bromochloromethane                           | 986.3                     | 10.0 | ug/L  | 1000  | ND            | 98.6 | 65-143      | 2.79  | 22        |       |
| Chloroform                                   | 883.8                     | 10.0 | ug/L  | 1000  | ND            | 88.4 | 71-143      | 3.34  | 21        |       |
| 1,1,1-Trichloroethane                        | 821.2                     | 10.0 | ug/L  | 1000  | ND            | 82.1 | 63-133      | 5.08  | 23        |       |
| Carbon Tetrachloride                         | 853.0                     | 10.0 | ug/L  | 1000  | ND            | 85.3 | 63-142      | 5.26  | 22        |       |
| Benzene                                      | 1007                      | 10.0 | ug/L  | 1000  | ND            | 101  | 69-133      | 3.81  | 18        |       |
| 1,2-Dichloroethane                           | 975.3                     | 10.0 | ug/L  | 1000  | ND            | 97.5 | 63-138      | 2.88  | 20        |       |
| Trichloroethylene                            | 939.1                     | 10.0 | ug/L  | 1000  | ND            | 93.9 | 71-133      | 3.16  | 23        |       |
| 1,2-Dichloropropane                          | 950.4                     | 10.0 | ug/L  | 1000  | ND            | 95.0 | 69-132      | 2.64  | 20        |       |
| Dibromomethane                               | 954.9                     | 10.0 | ug/L  | 1000  | ND            | 95.5 | 70-147      | 1.08  | 22        |       |
| Bromodichloromethane                         | 912.0                     | 10.0 | ug/L  | 1000  | ND            | 91.2 | 67-130      | 3.77  | 21        |       |
| cis-1,3-Dichloropropene                      | 946.8                     | 10.0 | ug/L  | 1000  | ND            | 94.7 | 61-126      | 3.08  | 21        |       |
| 4-Methyl-2-pentanone (MIBK)                  | 1160                      | 50.0 | ug/L  | 1000  | ND            | 116  | 55-147      | 0.423 | 23        |       |
| Toluene                                      | 949.5                     | 10.0 | ug/L  | 1000  | ND            | 95.0 | 71-133      | 3.00  | 19        |       |



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1HJ0247

| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|--------|-----------|-------|
| <b>Batch 1HJ0299 - EPA 5030B - EPA 8260B</b> |                           |      |       |   |               |      |             |        |           |       |
| <b>Matrix Spike Dup (1HJ0299-MSD1)</b>       | <b>Source: 1HJ0247-07</b> |      |       | Prepared: 10/03/24 00:00 Analyzed: 10/03/24 22:46 |               |      |             |        |           |       |
| trans-1,3-Dichloropropene                    | 953.3                     | 10.0 | ug/L  | 1000  | ND            | 95.3 | 63-124      | 2.08   | 21        |       |
| 1,1,2-Trichloroethane                        | 971.0                     | 10.0 | ug/L  | 1000  | ND            | 97.1 | 69-133      | 2.07   | 19        |       |
| Tetrachloroethylene                          | 946.5                     | 10.0 | ug/L  | 1000  | ND            | 94.6 | 70-124      | 5.16   | 24        |       |
| 2-Hexanone (MBK)                             | 1169                      | 50.0 | ug/L  | 993   | ND            | 118  | 53-141      | 2.52   | 24        |       |
| Dibromochloromethane                         | 950.6                     | 10.0 | ug/L  | 1000  | ND            | 95.1 | 74-122      | 1.04   | 21        |       |
| 1,2-Dibromoethane                            | 954.6                     | 10.0 | ug/L  | 1000  | ND            | 95.5 | 66-127      | 2.10   | 23        |       |
| Chlorobenzene                                | 953.2                     | 10.0 | ug/L  | 1000  | ND            | 95.3 | 76-116      | 3.93   | 21        |       |
| 1,1,1,2-Tetrachloroethane                    | 916.0                     | 10.0 | ug/L  | 1000  | ND            | 91.6 | 77-121      | 3.14   | 25        |       |
| Ethylbenzene                                 | 934.5                     | 10.0 | ug/L  | 1000  | ND            | 93.4 | 73-124      | 3.80   | 20        |       |
| Xylenes, total                               | 2936                      | 20.0 | ug/L  | 3000  | ND            | 97.9 | 75-123      | 2.99   | 20        |       |
| Styrene                                      | 961.5                     | 10.0 | ug/L  | 1000  | ND            | 96.2 | 70-120      | 1.96   | 23        |       |
| Bromoform                                    | 923.6                     | 10.0 | ug/L  | 1000  | ND            | 92.4 | 70-124      | 0.991  | 22        |       |
| 1,2,3-Trichloropropane                       | 1024                      | 10.0 | ug/L  | 1000  | ND            | 102  | 62-135      | 0.686  | 28        |       |
| trans-1,4-Dichloro-2-butene                  | 898.3                     | 50.0 | ug/L  | 1030  | ND            | 87.4 | 50-120      | 0.0334 | 26        |       |
| 1,1,2,2-Tetrachloroethane                    | 1312                      | 10.0 | ug/L  | 1000  | ND            | 131  | 63-126      | 0.328  | 24        | M1    |
| 1,4-Dichlorobenzene                          | 966.9                     | 10.0 | ug/L  | 1000  | ND            | 96.7 | 72-119      | 1.10   | 24        |       |
| 1,2-Dichlorobenzene                          | 953.7                     | 10.0 | ug/L  | 1000  | ND            | 95.4 | 71-117      | 2.14   | 24        |       |
| 1,2-Dibromo-3-chloropropane                  | 1026                      | 50.0 | ug/L  | 1000  | ND            | 103  | 49-134      | 1.15   | 28        |       |

|                                  |     |  |      |     |  |      |        |  |  |  |
|----------------------------------|-----|--|------|-----|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane  | 458 |  | ug/L | 502 |  | 91.3 | 57-134 |  |  |  |
| Surrogate: Dibromofluoromethane  | 458 |  | ug/L | 502 |  | 91.3 | 75-136 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 462 |  | ug/L | 504 |  | 91.7 | 53-140 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 462 |  | ug/L | 504 |  | 91.7 | 61-142 |  |  |  |
| Surrogate: Toluene-d8            | 522 |  | ug/L | 505 |  | 104  | 86-114 |  |  |  |
| Surrogate: Toluene-d8            | 522 |  | ug/L | 505 |  | 104  | 82-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 508 |  | ug/L | 502 |  | 101  | 78-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 508 |  | ug/L | 502 |  | 101  | 80-116 |  |  |  |

| Determination of Total Metals   | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HJ0347 - EPA 3005A Total Recoverable Metals - EPA 6020A</b> |        |    |       |             |               |      |             |     |           |       |

| Blank (1HJ0347-BLK1) |         |        | Prepared: 10/07/24 07:55 Analyzed: 10/07/24 20:36 |  |  |  |  |  |  |  |
|----------------------|---------|--------|---|--|--|--|--|--|--|--|
| 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  |  |  |  |  |  |  |  |



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1HJ0247

| Determination of Total Metals   | Result  | RL     | Units   | Spike Level | Source Result                                     | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|---|---------|--------|---|-------------|---|------|-------------|-------|-----------|-------|
| <b>Batch 1HJ0347 - EPA 3005A Total Recoverable Metals - EPA 6020A</b> |         |        |   |             |   |      |             |       |           |       |
| <b>Blank (1HJ0347-BLK1)</b>   |         |        | Prepared: 10/07/24 07:55 Analyzed: 10/07/24 20:36 |             |   |      |             |       |           |       |
| Thallium, total   | <0.0020 | 0.0020 | mg/L  |             |   |      |             |       |           |       |
| Vanadium, total   | <0.0200 | 0.0200 | mg/L  |             |   |      |             |       |           |       |
| Zinc, total   | <0.0200 | 0.0200 | mg/L  |             |   |      |             |       |           |       |
| <b>LCS (1HJ0347-BS1)</b>  |         |        | Prepared: 10/07/24 07:55 Analyzed: 10/07/24 20:42 |             |   |      |             |       |           |       |
| Antimony, total   | 0.0984  | 0.0020 | mg/L  | 0.100       |   | 98.4 | 80-120      |       |           |       |
| Arsenic, total  | 0.101   | 0.0040 | mg/L  | 0.100       |   | 101  | 80-120      |       |           |       |
| Barium, total   | 0.106   | 0.0040 | mg/L  | 0.100       |   | 106  | 80-120      |       |           |       |
| Beryllium, total  | 0.105   | 0.0040 | mg/L  | 0.100       |   | 105  | 80-120      |       |           |       |
| Cadmium, total  | 0.102   | 0.0008 | mg/L  | 0.100       |   | 102  | 80-120      |       |           |       |
| Chromium, total   | 0.0965  | 0.0080 | mg/L  | 0.100       |   | 96.5 | 80-120      |       |           |       |
| Cobalt, total   | 0.104   | 0.0004 | mg/L  | 0.100       |   | 104  | 80-120      |       |           |       |
| Copper, total   | 0.105   | 0.0040 | mg/L  | 0.100       |   | 105  | 80-120      |       |           |       |
| Lead, total   | 0.101   | 0.0040 | mg/L  | 0.100       |   | 101  | 80-120      |       |           |       |
| Nickel, total   | 0.102   | 0.0040 | mg/L  | 0.100       |   | 102  | 80-120      |       |           |       |
| Selenium, total   | 0.1027  | 0.0040 | mg/L  | 0.100       |   | 103  | 80-120      |       |           |       |
| Silver, total   | 0.102   | 0.0040 | mg/L  | 0.100       |   | 102  | 80-120      |       |           |       |
| Thallium, total   | 0.0907  | 0.0020 | mg/L  | 0.100       |   | 90.7 | 80-120      |       |           |       |
| Vanadium, total   | 0.100   | 0.0200 | mg/L  | 0.100       |   | 100  | 80-120      |       |           |       |
| Zinc, total   | 0.111   | 0.0200 | mg/L  | 0.100       |   | 111  | 80-120      |       |           |       |
| <b>Matrix Spike (1HJ0347-MS1)</b>                                     |         |        | <b>Source: 1HJ0247-01</b>                         |             | Prepared: 10/07/24 07:55 Analyzed: 10/07/24 20:55 |      |             |       |           |       |
| Antimony, total   | 0.100   | 0.0020 | mg/L  | 0.100       | ND  | 100  | 75-125      |       |           |       |
| Arsenic, total  | 0.101   | 0.0040 | mg/L  | 0.100       | 0.0009  | 101  | 75-125      |       |           |       |
| Barium, total   | 0.216   | 0.0040 | mg/L  | 0.100       | 0.109   | 107  | 75-125      |       |           |       |
| Beryllium, total  | 0.103   | 0.0040 | mg/L  | 0.100       | ND  | 103  | 75-125      |       |           |       |
| Cadmium, total  | 0.101   | 0.0008 | mg/L  | 0.100       | 0.0002  | 101  | 75-125      |       |           |       |
| Chromium, total   | 0.0953  | 0.0080 | mg/L  | 0.100       | ND  | 95.3 | 75-125      |       |           |       |
| Cobalt, total   | 0.101   | 0.0004 | mg/L  | 0.100       | ND  | 101  | 75-125      |       |           |       |
| Copper, total   | 0.0976  | 0.0040 | mg/L  | 0.100       | ND  | 97.6 | 75-125      |       |           |       |
| Lead, total   | 0.0968  | 0.0040 | mg/L  | 0.100       | ND  | 96.8 | 75-125      |       |           |       |
| Nickel, total   | 0.0983  | 0.0040 | mg/L  | 0.100       | ND  | 98.3 | 75-125      |       |           |       |
| Selenium, total   | 0.1016  | 0.0040 | mg/L  | 0.100       | ND  | 102  | 75-125      |       |           |       |
| Silver, total   | 0.102   | 0.0040 | mg/L  | 0.100       | ND  | 102  | 75-125      |       |           |       |
| Thallium, total   | 0.0819  | 0.0020 | mg/L  | 0.100       | 0.0002  | 81.7 | 75-125      |       |           |       |
| Vanadium, total   | 0.101   | 0.0200 | mg/L  | 0.100       | ND  | 101  | 75-125      |       |           |       |
| Zinc, total   | 0.104   | 0.0200 | mg/L  | 0.100       | ND  | 104  | 75-125      |       |           |       |
| <b>Matrix Spike Dup (1HJ0347-MSD1)</b>                                |         |        | <b>Source: 1HJ0247-01</b>                         |             | Prepared: 10/07/24 07:55 Analyzed: 10/07/24 21:13 |      |             |       |           |       |
| Antimony, total   | 0.103   | 0.0020 | mg/L  | 0.100       | ND  | 103  | 75-125      | 2.51  | 20        |       |
| Arsenic, total  | 0.103   | 0.0040 | mg/L  | 0.100       | 0.0009  | 102  | 75-125      | 1.11  | 20        |       |
| Barium, total   | 0.223   | 0.0040 | mg/L  | 0.100       | 0.109   | 114  | 75-125      | 3.19  | 20        |       |
| Beryllium, total  | 0.100   | 0.0040 | mg/L  | 0.100       | ND  | 100  | 75-125      | 2.51  | 20        |       |
| Cadmium, total  | 0.102   | 0.0008 | mg/L  | 0.100       | 0.0002  | 102  | 75-125      | 0.670 | 20        |       |
| Chromium, total   | 0.0976  | 0.0080 | mg/L  | 0.100       | ND  | 97.6 | 75-125      | 2.42  | 20        |       |
| Cobalt, total   | 0.103   | 0.0004 | mg/L  | 0.100       | ND  | 103  | 75-125      | 1.94  | 20        |       |



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1HJ0247

| Determination of Total Metals   | Result  | RL     | Units | Spike Level | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|---|---------|--------|-------|-------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HJ0347 - EPA 3005A Total Recoverable Metals - EPA 6020A</b>                                       |         |        |       |             |               |      |             |       |           |       |
| <b>Matrix Spike Dup (1HJ0347-MSD1)</b> Source: 1HJ0247-01 Prepared: 10/07/24 07:55 Analyzed: 10/07/24 21:13 |         |        |       |             |               |      |             |       |           |       |
| Copper, total   | 0.100   | 0.0040 | mg/L  | 0.100       | ND            | 100  | 75-125      | 2.81  | 20        |       |
| Lead, total   | 0.0989  | 0.0040 | mg/L  | 0.100       | ND            | 98.9 | 75-125      | 2.09  | 20        |       |
| Nickel, total   | 0.101   | 0.0040 | mg/L  | 0.100       | ND            | 101  | 75-125      | 3.13  | 20        |       |
| Selenium, total   | 0.1007  | 0.0040 | mg/L  | 0.100       | ND            | 101  | 75-125      | 0.927 | 20        |       |
| Silver, total   | 0.103   | 0.0040 | mg/L  | 0.100       | ND            | 103  | 75-125      | 1.39  | 20        |       |
| Thallium, total   | 0.0824  | 0.0020 | mg/L  | 0.100       | 0.0002        | 82.2 | 75-125      | 0.590 | 20        |       |
| Vanadium, total   | 0.104   | 0.0200 | mg/L  | 0.100       | ND            | 104  | 75-125      | 2.67  | 20        |       |
| Zinc, total   | 0.106   | 0.0200 | mg/L  | 0.100       | ND            | 106  | 75-125      | 2.05  | 20        |       |
| <b>Post Spike (1HJ0347-PS1)</b> Source: 1HJ0247-01 Prepared: 10/07/24 07:55 Analyzed: 10/07/24 21:13        |         |        |       |             |               |      |             |       |           |       |
| Antimony, total   | 0.0786  |        | mg/L  | 0.0800      | 0.0001        | 98.0 | 80-120      |       |           |       |
| Arsenic, total  | 0.0800  |        | mg/L  | 0.0800      | 0.0009        | 98.9 | 80-120      |       |           |       |
| Barium, total   | 0.189   |        | mg/L  | 0.0800      | 0.107         | 102  | 80-120      |       |           |       |
| Beryllium, total  | 0.0782  |        | mg/L  | 0.0800      | 0.00          | 97.7 | 80-120      |       |           |       |
| Cadmium, total  | 0.0775  |        | mg/L  | 0.0800      | 0.0002        | 96.7 | 80-120      |       |           |       |
| Chromium, total   | 0.0733  |        | mg/L  | 0.0800      | 0.0005        | 91.0 | 80-120      |       |           |       |
| Cobalt, total   | 0.0811  |        | mg/L  | 0.0800      | 0.00005       | 101  | 80-120      |       |           |       |
| Copper, total   | 0.0773  |        | mg/L  | 0.0800      | 0.0009        | 95.5 | 80-120      |       |           |       |
| Lead, total   | 0.0767  |        | mg/L  | 0.0800      | 0.00002       | 95.8 | 80-120      |       |           |       |
| Nickel, total   | 0.0792  |        | mg/L  | 0.0800      | 0.0007        | 98.2 | 80-120      |       |           |       |
| Selenium, total   | 0.0813  |        | mg/L  | 0.0800      | 0.0007        | 101  | 80-120      |       |           |       |
| Silver, total   | 0.0803  |        | mg/L  | 0.0800      | -0.00006      | 100  | 80-120      |       |           |       |
| Thallium, total   | 0.0642  |        | mg/L  | 0.0800      | 0.0002        | 79.9 | 80-120      |       |           | Q     |
| Vanadium, total   | 0.0799  |        | mg/L  | 0.0800      | 0.0034        | 95.6 | 80-120      |       |           |       |
| Zinc, total   | 0.0796  |        | mg/L  | 0.0800      | 0.0022        | 96.7 | 80-120      |       |           |       |
| <b>Batch 1HJ1786 - EPA 3005A Total Recoverable Metals - EPA 6020A</b>                                       |         |        |       |             |               |      |             |       |           |       |
| <b>Blank (1HJ1786-BLK1)</b> Prepared: 10/30/24 11:22 Analyzed: 10/30/24 22:38                               |         |        |       |             |               |      |             |       |           |       |
| 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  |             |               |      |             |       |           |       |
| Copper, total   | <0.0040 | 0.0040 | mg/L  |             |               |      |             |       |           |       |
| Lead, total   | <0.0040 | 0.0040 | mg/L  |             |               |      |             |       |           |       |
| Nickel, total   | <0.0040 | 0.0040 | mg/L  |             |               |      |             |       |           |       |
| Selenium, total   | <0.0040 | 0.0040 | mg/L  |             |               |      |             |       |           |       |
| Silver, total   | <0.0040 | 0.0040 | mg/L  |             |               |      |             |       |           |       |
| Thallium, total   | <0.0020 | 0.0020 | mg/L  |             |               |      |             |       |           |       |
| Vanadium, total   | <0.0200 | 0.0200 | mg/L  |             |               |      |             |       |           |       |
| Zinc, total   | <0.0200 | 0.0200 | mg/L  |             |               |      |             |       |           |       |
| <b>LCS (1HJ1786-BS1)</b> Prepared: 10/30/24 11:22 Analyzed: 10/30/24 22:44                                  |         |        |       |             |               |      |             |       |           |       |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HJ0247

| Determination of Total Metals   | Result  | RL     | Units | Spike Level | Source Result | %REC  | %REC Limits | RPD  | RPD Limit | Notes |
|---|---------|--------|-------|-------------|---------------|-------|-------------|------|-----------|-------|
| <b>Batch 1HJ1786 - EPA 3005A Total Recoverable Metals - EPA 6020A</b>                                       |         |        |       |             |               |       |             |      |           |       |
| <b>LCS (1HJ1786-BS1)</b> Prepared: 10/30/24 11:22 Analyzed: 10/30/24 22:44                                  |         |        |       |             |               |       |             |      |           |       |
| Antimony, total   | 0.0970  | 0.0020 | mg/L  | 0.100       |               | 97.0  | 80-120      |      |           |       |
| Arsenic, total  | 0.0991  | 0.0040 | mg/L  | 0.100       |               | 99.1  | 80-120      |      |           |       |
| Barium, total   | 0.105   | 0.0040 | mg/L  | 0.100       |               | 105   | 80-120      |      |           |       |
| Beryllium, total  | 0.103   | 0.0040 | mg/L  | 0.100       |               | 103   | 80-120      |      |           |       |
| Cadmium, total  | 0.0982  | 0.0008 | mg/L  | 0.100       |               | 98.2  | 80-120      |      |           |       |
| Chromium, total   | 0.0985  | 0.0080 | mg/L  | 0.100       |               | 98.5  | 80-120      |      |           |       |
| Cobalt, total   | 0.100   | 0.0004 | mg/L  | 0.100       |               | 100   | 80-120      |      |           |       |
| Copper, total   | 0.0993  | 0.0040 | mg/L  | 0.100       |               | 99.3  | 80-120      |      |           |       |
| Lead, total   | 0.0957  | 0.0040 | mg/L  | 0.100       |               | 95.7  | 80-120      |      |           |       |
| Nickel, total   | 0.0977  | 0.0040 | mg/L  | 0.100       |               | 97.7  | 80-120      |      |           |       |
| Selenium, total   | 0.0990  | 0.0040 | mg/L  | 0.100       |               | 99.0  | 80-120      |      |           |       |
| Silver, total   | 0.102   | 0.0040 | mg/L  | 0.100       |               | 102   | 80-120      |      |           |       |
| Thallium, total   | 0.0950  | 0.0020 | mg/L  | 0.100       |               | 95.0  | 80-120      |      |           |       |
| Vanadium, total   | 0.0996  | 0.0200 | mg/L  | 0.100       |               | 99.6  | 80-120      |      |           |       |
| Zinc, total   | 0.100   | 0.0200 | mg/L  | 0.100       |               | 100   | 80-120      |      |           |       |
| <b>Matrix Spike (1HJ1786-MS1)</b> Source: 1HJ2157-01 Prepared: 10/30/24 11:22 Analyzed: 10/30/24 23:09      |         |        |       |             |               |       |             |      |           |       |
| Antimony, total   | 0.209   | 0.0020 | mg/L  | 0.100       | 0.104         | 106   | 75-125      |      |           |       |
| Arsenic, total  | 0.0615  | 0.0040 | mg/L  | 0.100       | 0.0589        | 2.60  | 75-125      |      |           | M     |
| Barium, total   | 0.330   | 0.0040 | mg/L  | 0.100       | 0.167         | 163   | 75-125      |      |           | M     |
| Beryllium, total  | 0.174   | 0.0040 | mg/L  | 0.100       | 0.0850        | 88.6  | 75-125      |      |           |       |
| Cadmium, total  | 0.170   | 0.0008 | mg/L  | 0.100       | 0.0875        | 82.3  | 75-125      |      |           |       |
| Chromium, total   | 5.59    | 0.0080 | mg/L  | 0.100       | 2.91          | NR    | 75-125      |      |           | M     |
| Cobalt, total   | 0.0898  | 0.0004 | mg/L  | 0.100       | 0.0870        | 2.77  | 75-125      |      |           | M     |
| Copper, total   | 0.287   | 0.0040 | mg/L  | 0.100       | 0.281         | 6.42  | 75-125      |      |           | M     |
| Lead, total   | 0.503   | 0.0040 | mg/L  | 0.100       | 0.256         | 247   | 75-125      |      |           | M     |
| Nickel, total   | 1.63    | 0.0040 | mg/L  | 0.100       | 1.57          | 57.7  | 75-125      |      |           | M     |
| Selenium, total   | 0.0049  | 0.0040 | mg/L  | 0.100       | 0.0043        | 0.624 | 75-125      |      |           | M     |
| Silver, total   | 0.178   | 0.0040 | mg/L  | 0.100       | 0.0899        | 87.6  | 75-125      |      |           |       |
| Thallium, total   | 0.181   | 0.0020 | mg/L  | 0.100       | 0.0914        | 89.8  | 75-125      |      |           |       |
| Vanadium, total   | 1.21    | 0.0200 | mg/L  | 0.100       | 0.622         | 585   | 75-125      |      |           | M     |
| Zinc, total   | 6.29    | 0.0200 | mg/L  | 0.100       | 6.14          | 146   | 75-125      |      |           | M     |
| <b>Matrix Spike Dup (1HJ1786-MSD1)</b> Source: 1HJ2157-01 Prepared: 10/30/24 11:22 Analyzed: 10/30/24 23:15 |         |        |       |             |               |       |             |      |           |       |
| Antimony, total   | 0.0863  | 0.0020 | mg/L  | 0.100       | 0.104         | NR    | 75-125      | 83.2 | 20        | M     |
| Arsenic, total  | 0.0574  | 0.0040 | mg/L  | 0.100       | 0.0589        | NR    | 75-125      | 6.87 | 20        | M     |
| Barium, total   | 0.135   | 0.0040 | mg/L  | 0.100       | 0.167         | NR    | 75-125      | 84.0 | 20        | M     |
| Beryllium, total  | 0.0688  | 0.0040 | mg/L  | 0.100       | 0.0850        | NR    | 75-125      | 86.4 | 20        | M     |
| Cadmium, total  | 0.0714  | 0.0008 | mg/L  | 0.100       | 0.0875        | NR    | 75-125      | 81.7 | 20        | M     |
| Chromium, total   | 2.90    | 0.0080 | mg/L  | 0.100       | 2.91          | NR    | 75-125      | 63.3 | 20        | M     |
| Cobalt, total   | 0.0858  | 0.0004 | mg/L  | 0.100       | 0.0870        | NR    | 75-125      | 4.57 | 20        | M     |
| Copper, total   | 0.276   | 0.0040 | mg/L  | 0.100       | 0.281         | NR    | 75-125      | 4.08 | 20        | M     |
| Lead, total   | 0.237   | 0.0040 | mg/L  | 0.100       | 0.256         | NR    | 75-125      | 71.8 | 20        | M     |
| Nickel, total   | 1.57    | 0.0040 | mg/L  | 0.100       | 1.57          | NR    | 75-125      | 3.60 | 20        | M     |
| Selenium, total   | <0.0040 | 0.0040 | mg/L  | 0.100       | 0.0043        | NR    | 75-125      | 46.1 | 20        | M     |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HJ0247

| Determination of Total Metals   | Result    | RL     | Units   | Spike Level | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|---|-----------|--------|---|-------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch 1HJ1786 - EPA 3005A Total Recoverable Metals - EPA 6020A</b> |           |        |   |             |               |      |             |      |           |       |
| <b>Matrix Spike Dup (1HJ1786-MSD1)</b>                                |           |        |   |             |               |      |             |      |           |       |
| Source: 1HJ2157-01  |           |        | Prepared: 10/30/24 11:22 Analyzed: 10/30/24 23:15 |             |               |      |             |      |           |       |
| Silver, total   | 0.0727    | 0.0040 | mg/L  | 0.100       | 0.0899        | NR   | 75-125      | 83.8 | 20        | M     |
| Thallium, total   | 0.0770    | 0.0020 | mg/L  | 0.100       | 0.0914        | NR   | 75-125      | 80.7 | 20        | M     |
| Vanadium, total   | 0.605     | 0.0200 | mg/L  | 0.100       | 0.622         | NR   | 75-125      | 66.4 | 20        | M     |
| Zinc, total   | 6.09      | 0.0200 | mg/L  | 0.100       | 6.14          | NR   | 75-125      | 3.19 | 20        | M     |
| <b>Post Spike (1HJ1786-PS1)</b>                                       |           |        |   |             |               |      |             |      |           |       |
| Source: 1HJ2157-01  |           |        | Prepared: 10/30/24 11:22 Analyzed: 10/30/24 23:33 |             |               |      |             |      |           |       |
| Antimony, total   | 0.0002    |        | mg/L  | 0.0800      | 0.102         | NR   | 80-120      |      |           | M     |
| Arsenic, total  | 0.0010    |        | mg/L  | 0.0800      | 0.0577        | NR   | 80-120      |      |           | M     |
| Barium, total   | 0.0259    |        | mg/L  | 0.0800      | 0.164         | NR   | 80-120      |      |           | M     |
| Beryllium, total  | 0.000008  |        | mg/L  | 0.0800      | 0.0833        | NR   | 80-120      |      |           | M     |
| Cadmium, total  | 0.00009   |        | mg/L  | 0.0800      | 0.0858        | NR   | 80-120      |      |           | M     |
| Chromium, total   | 0.0006    |        | mg/L  | 0.0800      | 2.85          | NR   | 80-120      |      |           | M     |
| Cobalt, total   | 0.0001    |        | mg/L  | 0.0800      | 0.0853        | NR   | 80-120      |      |           | M     |
| Copper, total   | 0.0042    |        | mg/L  | 0.0800      | 0.275         | NR   | 80-120      |      |           | M     |
| Lead, total   | -0.000004 |        | mg/L  | 0.0800      | 0.250         | NR   | 80-120      |      |           | M     |
| Nickel, total   | 0.0038    |        | mg/L  | 0.0800      | 1.54          | NR   | 80-120      |      |           | M     |
| Selenium, total   | 0.0008    |        | mg/L  | 0.0800      | 0.0042        | NR   | 80-120      |      |           | M     |
| Silver, total   | 0.0001    |        | mg/L  | 0.0800      | 0.0881        | NR   | 80-120      |      |           | M     |
| Thallium, total   | 0.0002    |        | mg/L  | 0.0800      | 0.0895        | NR   | 80-120      |      |           | M     |
| Vanadium, total   | 0.0014    |        | mg/L  | 0.0800      | 0.610         | NR   | 80-120      |      |           | M     |
| Zinc, total   | 0.0058    |        | mg/L  | 0.0800      | 6.02          | NR   | 80-120      |      |           | M     |

**Definitions**

- M:** Matrix interference is present.
- M1:** Matrix spike recovery is above acceptance limits.
- Q:** One or more quality control criteria failed.
- Q2:** LCS recovery is above acceptance limits.
- RL:** Reporting Limit
- RPD:** Relative Percent Difference

**Cooler Receipt Log**

Cooler ID: Default Cooler Temp: 0.0°C

**Cooler Inspection Checklist**

|                  |     |                        |     |
|------------------|-----|------------------------|-----|
| Custody Seals    | No  | Containers Intact      | Yes |
| COC/Labels Agree | Yes | Preservation Confirmed | No  |
| Received On Ice  | Yes |                        |     |





Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HJ0247

**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:**

A rectangular box containing a handwritten signature in black ink that reads "Heather Murphy".

Heather Murphy  
Customer Relationship Specialist  
heather.murphy@microbac.com  
11/01/24 14:37

CHAIN OF CUSTODY RECORD



600 East 17th Street  
 Newton, IA 50208  
 541-792-9451



1 H J 0 2 4 7

HLW Engineering  
 PM: Heather Murphy

SITE INFORMATION

Sampler: TODD WHIPPLE  
 Project: Boone Landfill New Regs  
6007

REPO.

Todd Whipple  
 HLW Engineering  
 PO Box 314  
 Story City, IA 50246

John Roosa  
 Boone County Sanitary Landfill  
 1288 224th Lane  
 Boone, IA 50030

SPECIAL INSTRUCTIONS

None

Turn Around Time

Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

LAB USE ONLY

Work Order 1HJ0247  
 Temperature 0.0  
 Turn-Cooler: No

- Custody Seal
- Containers Intact
- COC/Labels Agree
- Preservation Confirmed
- Received on Ice

| Number | Sample Identification / Client ID | Matrix  | Sample Type | Date           | Time         | Number of Containers | Analyses  | Lab Sample Number |
|--------|-----------------------------------|---------|-------------|----------------|--------------|----------------------|---|-------------------|
| -001   | MW91-8                            | Aqueous | GRAB        | <u>9/30/24</u> | <u>13:21</u> | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>01</u>         |
| -001   | MW02-15A                          | Aqueous | GRAB        | <u>9/30/24</u> | <u>12:48</u> | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>02</u>         |
| -001   | MW98-28                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>7:31</u>  | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>03</u>         |
| -001   | MW02-30A                          | Aqueous | GRAB        | <u>9/30/24</u> | <u>12:33</u> | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>04</u>         |
| -001   | MW88-2                            | Aqueous | GRAB        | <u>9/30/24</u> | <u>11:34</u> | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>05</u>         |
| -001   | MW94-18                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>8:54</u>  | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>06</u>         |
| -001   | MW09-40                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>9:10</u>  | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>07</u>         |

Relinquished By Todd Whipple Date/Time 10/1/24

Relinquished By \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Received for Lab By Ray Wood Date/Time 10-1-24 1030

Received By \_\_\_\_\_ Date/Time \_\_\_\_\_

Remarks:



600 East 17th Street Sou  
 Newton, IA 50208  
 541-792-9451



1 H J 0 2 4 7

HLW Engineering  
 PM: Heather Murphy

**SITE INFORMATION**

Sampler: Todd Whipple

Project: Boone Landfill-New Regs  
6007

**REPORT TO**

Todd Whipple  
 HLW Engineering  
 PO Box 214  
 Story City, IA 50246

**John Roosa**  
 Boone County Sanitary Landfill  
 1288 224th Lane  
 Boone, IA 50036

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**  
 Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

**LAB USE ONLY**

Work Order 1HJ0047

Temperature 00

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   | MW91-10                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>9:24</u>  | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>08</u>                         |
| -001   | MW96-21                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>9:53</u>  | <u>7</u>             | Indfill-app2-inorg-6020 Indfill-app2-org        | <u>09</u>                         |
| -001   | MW96-24                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>10:10</u> | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>10</u>                         |
| -001   | MW88-3                            | Aqueous | GRAB        | <u>9/30/24</u> | <u>11:23</u> | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>11</u>                         |
| -001   | MW96-23                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>10:36</u> | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>12</u>                         |
| -001   | MW21-43                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>12:09</u> | <u>7</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>13</u>                         |
| -001   | GWD-1 <u>DR4</u>                  | Aqueous | GRAB        | <u>9/30/24</u> | <u>—</u>     | <u>0</u>             | Indfill-app1-voc-group Indfill-app1-metals-6020 | <u>14</u> <u>EE</u><br><u>dup</u> |

Relinquished By Todd Whipple Date/Time 10/1/24

Relinquished By Sam Wood Date/Time 10-1-24 1030

Received By \_\_\_\_\_ Date/Time \_\_\_\_\_

Received for Lab By \_\_\_\_\_ Date/Time \_\_\_\_\_

Remarks:

CHAIN OF CUSTODY RECORD



600 East 17th Street Sout  
 Newton, IA 50208  
 541-792-9451



1 H J 0 2 4 7

HLW Engineering  
 PM: Heather Murphy

SITE INFORMATION

Sampler: Todd Whipple  
 Project: Boone Landfill New Regs  
6007

REPORT TO

Todd Whipple  
 HLW Engineering  
 PO Box 314  
 Story City, IA 50246

John Roosa  
 Boone County Sanitary Landfill  
 1268 224th Lane  
 Boone, IA 50036

SPECIAL INSTRUCTIONS

None

Turn Around Time

Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

LAB USE ONLY

Work Order 1HJ0247

Temperature 0.0

Turn-Cooler: No

- Custody Seal
- Containers Intact
- COC/Labels Agree
- Preservation Confirmed
- Received on Ice

| Number | Sample Identification / Client ID | Matrix  | Sample Type | Date           | Time         | Number of Containers | Analyses  | Lab Sample Number |
|--------|-----------------------------------|---------|-------------|----------------|--------------|----------------------|---|-------------------|
| -001   | GU-3                              | Aqueous | GRAB        | <u>9/30/24</u> | <u>10:51</u> | <u>7</u>             | lndfill-app1-voc-group lndfill-app1-metals-6020                               | <u>14</u>         |
| -001   | PEC-3                             | Aqueous | GRAB        | <u>9/30/24</u> | <u>10:57</u> | <u>6</u>             | lndfill-app1-voc-group  | <u>15</u>         |
| -001   | GU-4 Buried                       | Aqueous | GRAB        | <u>9/30/24</u> | <u>—</u>     | <u>0</u>             | lndfill-app1-voc-group lndfill-app1-metals-6020                               | <u>—</u>          |
| -001   | SRAMP #1 DRY                      | Aqueous | GRAB        | <u>—</u>       | <u>—</u>     | <u>0</u>             | 8260@dichlorodifluorom ethane lndfill-app1-voc-group                          | <u>—</u>          |
| -001   | SRAMP #2 DRY                      | Aqueous | GRAB        | <u>—</u>       | <u>—</u>     | <u>0</u>             | lndfill-app1-metals-6020 8260@dichlorodifluorom ethane                        | <u>—</u>          |
| -001   | MW98-25                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>8:21</u>  | <u>7</u>             | 8260@dichlorodifluorom ethane lndfill-app1-voc-group lndfill-app1-metals-6020 | <u>16</u>         |

Todd Whipple 10/1/24  
 Relinquished By Date/Time

Randy Ward 10/24/24 10:30  
 Relinquished By Date/Time  
 Received for Lab By Date/Time

Remarks:

CHAIN OF CUSTODY RECORD



600 East 17th Street South  
 Newton, IA 50208  
 541-792-3451



1 H J 0 2 4 7

HLW Engineering  
 PM: Heather Murphy

Page 4 of  
 Printed: 8/9/2024 3:00:30P  
 www.keystonelabs.com

Page 59 of 59

SITE INFORMATION

Sampler: TODD WHIPPLE  
 Project: Boone Landfill New Regs  
6007

REPORT TO

Todd Whipple  
 HLW Engineering  
 PO Box 314  
 Story City, IA 50246

John Roosa  
 Boone County Sanitary Landfill  
 1268 224th Lane  
 Boone, IA 50036

SPECIAL INSTRUCTIONS

None

Turn Around Time

Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

LAB USE ONLY

Work Order IHJD247  
 Temperature 0.0  
 Turn-Cooler: No

- Custody Seal
- Containers Intact
- COC/Labels Agree
- Preservation Confirmed
- Received on Ice

| Number | Sample Identification / Client ID | Matrix  | Sample Type | Date           | Time         | Number of Containers | Analyses  | Lab Sample Number |
|--------|-----------------------------------|---------|-------------|----------------|--------------|----------------------|---|-------------------|
| -001   | MW06-37                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>14:14</u> | <u>7</u>             | Indfill-app1-voc-group Indfil-app1-metals-6020            | <u>17</u>         |
| -001   | MW06-38                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>14:02</u> | <u>7</u>             | Indfill-app1-voc-group Indfil-app1-metals-6020            | <u>18</u>         |
| -001   | MW06-39                           | Aqueous | GRAB        | <u>9/30/24</u> | <u>13:51</u> | <u>7</u>             | Indfill-app1-voc-group Indfil-app1-metals-6020            | <u>19</u>         |
| -001   | Field Duplicate                   | Aqueous | GRAB        | <u>9/30/24</u> | <u>✓</u>     | <u>1</u>             | <del>Indfill-app1-voc-group</del> Indfil-app1-metals-6020 | <u>20</u>         |

Relinquished By [Signature] Date/Time 10/1/24

Received By \_\_\_\_\_ Date/Time \_\_\_\_\_

Relinquished By \_\_\_\_\_ Date/Time \_\_\_\_\_

Received for Lab By [Signature] Date/Time 10/1/24 10:30

Remarks:





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Project Description

6007

For:

Todd Whipple

**HLW Engineering**

204 West Broad St

Story City, IA 50248

---

Heather Murphy

Customer Relationship Specialist

Monday, December 9, 2024

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

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

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**HLW Engineering**

Todd Whipple  
204 West Broad St  
Story City, IA 50248

**Project Name: 6007**

Project / PO Number: N/A  
Received: 11/27/2024  
Reported: 12/09/2024

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**Sample Summary Report**

| <u>Sample Name</u> | <u>Laboratory ID</u> | <u>Client Matrix</u> | <u>Sample Type</u> | <u>Sample Begin</u> | <u>Sample Taken</u> | <u>Lab Received</u> |
|--------------------|----------------------|----------------------|--------------------|---------------------|---------------------|---------------------|
| MW88-3             | 1HK2018-01           | Aqueous              | GRAB               |                     | 11/25/24 14:00      | 11/27/24 09:48      |
| GU-4               | 1HK2018-02           | Aqueous              | GRAB               |                     | 11/25/24 14:31      | 11/27/24 09:48      |





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Analytical Testing Parameters

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | MW88-3     | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 11/25/2024 14:00 |
| <b>Lab Sample ID:</b>    | 1HK2018-01 |                         |                  |

| Determination of Total Metals    | Result  | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|----------------------------------|---------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 200.8, Rv. 5.4 (1994)</b> |         |        |       |    |      |               |               |         |
| Cadmium, total                   | <0.0002 | 0.0002 | mg/L  | 4  |      | 12/02/24 0833 | 12/03/24 0721 | RVV     |

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | GU-4       | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 11/25/2024 14:31 |
| <b>Lab Sample ID:</b>    | 1HK2018-02 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260D</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Vinyl Chloride                              | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Chloroethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| cis-1,2-Dichloroethylene                    | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Benzene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |



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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | GU-4       | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 11/25/2024 14:31 |
| <b>Lab Sample ID:</b>    | 1HK2018-02 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| 2-Hexanone (MBK)                            | <5.0   | 5.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Xylenes, total                              | <2.0   | 2.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Styrene                                     | <1.0   | 1.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Bromoform                                   | <1.0   | 1.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0   | 1.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| trans-1,4-Dichloro-2-butene                 | <5.0   | 5.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0   | 1.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0   | 5.0           | ug/L  | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Surrogate: Dibromofluoromethane             | 109    | Limit: 57-134 | % Rec | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Surrogate: Dibromofluoromethane             | 109    | Limit: 75-136 | % Rec | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 114    | Limit: 61-142 | % Rec | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 114    | Limit: 53-140 | % Rec | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Surrogate: Toluene-d8                       | 92.9   | Limit: 86-114 | % Rec | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Surrogate: Toluene-d8                       | 92.9   | Limit: 82-121 | % Rec | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 95.3   | Limit: 78-121 | % Rec | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 95.3   | Limit: 80-116 | % Rec | 1  |      | 12/02/24 0000 | 12/02/24 1923 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Arsenic, total                | <b>0.0051</b> | 0.0040 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Barium, total                 | <b>0.415</b>  | 0.0040 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Cobalt, total                 | <b>0.0006</b> | 0.0004 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Nickel, total                 | <b>0.0072</b> | 0.0040 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |
| Zinc, total                   | <b>0.262</b>  | 0.0200 | mg/L  | 4  |      | 12/02/24 1505 | 12/04/24 2201 | RVV     |

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Batch Log Summary

| Method                    | Batch   | Laboratory ID | Client / Source ID |
|---------------------------|---------|---------------|--------------------|
| EPA 200.8, Rv. 5.4 (1994) | 1HL0010 | 1HL0010-BLK1  |                    |
|                           |         | 1HL0010-BS1   |                    |
|                           |         | 1HL0010-MS1   | 1HK1973-02         |
|                           |         | 1HL0010-MSD1  | 1HK1973-02         |
|                           |         | 1HL0010-PS1   | 1HK1973-02         |
|                           |         | 1HK2018-01    | MW88-3             |

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 6020A | 1HL0065 | 1HL0065-BLK1  |                    |
|           |         | 1HL0065-BS1   |                    |
|           |         | 1HK2018-02    | GU-4               |
|           |         | 1HL0065-MS1   | 1HK2018-02         |
|           |         | 1HL0065-MSD1  | 1HK2018-02         |
|           |         | 1HL0065-PS1   | 1HK2018-02         |

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 8260D | 1HL0133 | 1HL0133-BS1   |                    |
|           |         | 1HL0133-BSD1  |                    |
|           |         | 1HL0133-BLK1  |                    |
|           |         | 1HK2018-02    | GU-4               |
|           |         | 1HL0133-MS1   | 1HL0001-01         |
|           |         | 1HL0133-MS1   | 1HL0001-01         |
|           |         | 1HL0133-MS1   | 1HL0001-01         |
|           |         | 1HL0133-MSD1  | 1HL0001-01         |

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 |
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HL0133 - EPA 5030B - EPA 8260D</b> |        |    |       |             |               |      |             |     |           |       |

| Blank (1HL0133-BLK1)   |       |      |      | Prepared: 12/02/24 00:00 Analyzed: 12/02/24 15:29 |  |  |  |  |  |  |
|------------------------|-------|------|------|---|--|--|--|--|--|--|
| 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 |   |  |  |  |  |  |  |



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| Determination of Volatile Organic Compounds       | Result | RL   | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HL0133 - EPA 5030B - EPA 8260D</b>      |        |      |       |             |               |      |             |     |           |       |
| <b>Blank (1HL0133-BLK1)</b>                       |        |      |       |             |               |      |             |     |           |       |
| Prepared: 12/02/24 00:00 Analyzed: 12/02/24 15:29 |        |      |       |             |               |      |             |     |           |       |
| 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                   | 48.4   |      | ug/L  | 50.2        |               | 96.4 | 57-134      |     |           |       |
| Surrogate: Dibromofluoromethane                   | 48.4   |      | ug/L  | 50.2        |               | 96.4 | 75-136      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4                  | 52.3   |      | ug/L  | 50.4        |               | 104  | 53-140      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4                  | 52.3   |      | ug/L  | 50.4        |               | 104  | 61-142      |     |           |       |
| Surrogate: Toluene-d8                             | 47.0   |      | ug/L  | 50.5        |               | 93.1 | 86-114      |     |           |       |
| Surrogate: Toluene-d8                             | 47.0   |      | ug/L  | 50.5        |               | 93.1 | 82-121      |     |           |       |
| Surrogate: 4-Bromofluorobenzene                   | 48.4   |      | ug/L  | 50.2        |               | 96.5 | 78-121      |     |           |       |

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| Determination of Volatile Organic Compounds  | Result | RL   | Units | Spike Level                                       | Source Result | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|------|-------|---|---------------|-------------|-----|-----------|-------|
| <b>Batch 1HL0133 - EPA 5030B - EPA 8260D</b> |        |      |       |   |               |             |     |           |       |
| <b>Blank (1HL0133-BLK1)</b>                  |        |      |       |   |               |             |     |           |       |
|  |        |      |       | Prepared: 12/02/24 00:00 Analyzed: 12/02/24 15:29 |               |             |     |           |       |
| Surrogate: 4-Bromofluorobenzene              | 48.4   |      | ug/L  | 50.2  |               | 96.5        |     | 80-116    |       |
| <b>LCS (1HL0133-BS1)</b>                     |        |      |       |   |               |             |     |           |       |
|  |        |      |       | Prepared: 12/02/24 00:00 Analyzed: 12/02/24 14:45 |               |             |     |           |       |
| Chloromethane                                | 57.31  | 1.0  | ug/L  | 50.5  |               | 113         |     | 63-155    |       |
| Vinyl Chloride                               | 57.97  | 1.0  | ug/L  | 50.4  |               | 115         |     | 70-154    |       |
| Bromomethane                                 | 60.19  | 1.0  | ug/L  | 50.2  |               | 120         |     | 52-176    |       |
| Chloroethane                                 | 49.44  | 1.0  | ug/L  | 50.5  |               | 97.8        |     | 72-148    |       |
| Trichlorofluoromethane                       | 45.23  | 1.0  | ug/L  | 50.5  |               | 89.5        |     | 70-152    |       |
| 1,1-Dichloroethylene                         | 30.05  | 1.0  | ug/L  | 30.1  |               | 99.9        |     | 70-148    |       |
| Acetone                                      | 89.90  | 10.0 | ug/L  | 100   |               | 89.9        |     | 43-172    |       |
| Methyl Iodide                                | 92.46  | 1.0  | ug/L  | 100   |               | 92.5        |     | 69-170    |       |
| Carbon Disulfide                             | 92.78  | 1.0  | ug/L  | 100   |               | 92.8        |     | 72-162    |       |
| Methylene Chloride                           | 30.28  | 5.0  | ug/L  | 30.1  |               | 101         |     | 68-142    |       |
| Acrylonitrile                                | 41.04  | 5.0  | ug/L  | 50.2  |               | 81.8        |     | 56-135    |       |
| trans-1,2-Dichloroethylene                   | 31.50  | 1.0  | ug/L  | 30.1  |               | 105         |     | 66-148    |       |
| 1,1-Dichloroethane                           | 31.42  | 1.0  | ug/L  | 30.1  |               | 105         |     | 66-143    |       |
| Vinyl Acetate                                | 148.9  | 5.0  | ug/L  | 156   |               | 95.6        |     | 43-153    |       |
| cis-1,2-Dichloroethylene                     | 30.87  | 1.0  | ug/L  | 30.2  |               | 102         |     | 71-149    |       |
| 2-Butanone (MEK)                             | 81.76  | 10.0 | ug/L  | 100   |               | 81.8        |     | 52-159    |       |
| Bromochloromethane                           | 30.55  | 1.0  | ug/L  | 30.2  |               | 101         |     | 69-143    |       |
| Chloroform                                   | 30.31  | 1.0  | ug/L  | 30.0  |               | 101         |     | 69-144    |       |
| 1,1,1-Trichloroethane                        | 30.06  | 1.0  | ug/L  | 30.1  |               | 100         |     | 62-129    |       |
| Carbon Tetrachloride                         | 30.06  | 1.0  | ug/L  | 30.1  |               | 100         |     | 63-141    |       |
| Benzene                                      | 31.96  | 1.0  | ug/L  | 30.3  |               | 106         |     | 71-134    |       |
| 1,2-Dichloroethane                           | 31.23  | 1.0  | ug/L  | 30.1  |               | 104         |     | 72-132    |       |
| Trichloroethylene                            | 30.10  | 1.0  | ug/L  | 30.1  |               | 100         |     | 71-135    |       |
| 1,2-Dichloropropane                          | 30.70  | 1.0  | ug/L  | 30.1  |               | 102         |     | 69-136    |       |
| Dibromomethane                               | 28.62  | 1.0  | ug/L  | 30.2  |               | 94.7        |     | 73-147    |       |
| Bromodichloromethane                         | 29.72  | 1.0  | ug/L  | 30.1  |               | 98.9        |     | 68-129    |       |
| cis-1,3-Dichloropropene                      | 29.33  | 1.0  | ug/L  | 30.1  |               | 97.6        |     | 65-134    |       |
| 4-Methyl-2-pentanone (MIBK)                  | 87.40  | 5.0  | ug/L  | 100   |               | 87.4        |     | 58-147    |       |
| Toluene                                      | 30.36  | 1.0  | ug/L  | 30.3  |               | 100         |     | 72-133    |       |
| trans-1,3-Dichloropropene                    | 28.52  | 1.0  | ug/L  | 30.0  |               | 94.9        |     | 67-130    |       |
| 1,1,2-Trichloroethane                        | 28.83  | 1.0  | ug/L  | 30.1  |               | 95.9        |     | 69-135    |       |
| Tetrachloroethylene                          | 33.65  | 1.0  | ug/L  | 30.1  |               | 112         |     | 69-130    |       |
| 2-Hexanone (MBK)                             | 90.72  | 5.0  | ug/L  | 100   |               | 90.7        |     | 55-144    |       |
| Dibromochloromethane                         | 32.09  | 1.0  | ug/L  | 30.0  |               | 107         |     | 73-127    |       |
| 1,2-Dibromoethane                            | 31.62  | 1.0  | ug/L  | 30.1  |               | 105         |     | 67-132    |       |
| Chlorobenzene                                | 33.04  | 1.0  | ug/L  | 30.0  |               | 110         |     | 72-123    |       |
| 1,1,1,2-Tetrachloroethane                    | 33.67  | 1.0  | ug/L  | 30.2  |               | 111         |     | 73-127    |       |
| Ethylbenzene                                 | 34.37  | 1.0  | ug/L  | 30.1  |               | 114         |     | 71-127    |       |
| Xylenes, total                               | 99.80  | 2.0  | ug/L  | 90.6  |               | 110         |     | 74-127    |       |
| Styrene                                      | 34.09  | 1.0  | ug/L  | 30.2  |               | 113         |     | 66-126    |       |



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| Determination of Volatile Organic Compounds  | Result | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|--|--------|------|-------|---|---------------|------|-------------|--------|-----------|-------|
| <b>Batch 1HL0133 - EPA 5030B - EPA 8260D</b> |        |      |       |   |               |      |             |        |           |       |
| <b>LCS (1HL0133-BS1)</b>                     |        |      |       |   |               |      |             |        |           |       |
|  |        |      |       | Prepared: 12/02/24 00:00 Analyzed: 12/02/24 14:45 |               |      |             |        |           |       |
| Bromoform                                    | 30.59  | 1.0  | ug/L  | 30.1  |               | 102  | 68-130      |        |           |       |
| 1,2,3-Trichloropropane                       | 29.91  | 1.0  | ug/L  | 30.2  |               | 99.0 | 63-136      |        |           |       |
| trans-1,4-Dichloro-2-butene                  | 93.41  | 5.0  | ug/L  | 100   |               | 93.4 | 54-134      |        |           |       |
| 1,1,2,2-Tetrachloroethane                    | 32.27  | 1.0  | ug/L  | 30.1  |               | 107  | 61-131      |        |           |       |
| 1,4-Dichlorobenzene                          | 33.66  | 1.0  | ug/L  | 30.1  |               | 112  | 70-129      |        |           |       |
| 1,2-Dichlorobenzene                          | 33.17  | 1.0  | ug/L  | 30.1  |               | 110  | 69-126      |        |           |       |
| 1,2-Dibromo-3-chloropropane                  | 25.30  | 5.0  | ug/L  | 30.1  |               | 84.1 | 50-143      |        |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 48.7   |      | ug/L  | 50.2  |               | 97.0 | 57-134      |        |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 48.7   |      | ug/L  | 50.2  |               | 97.0 | 75-136      |        |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 50.2   |      | ug/L  | 50.4  |               | 99.8 | 53-140      |        |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 50.2   |      | ug/L  | 50.4  |               | 99.8 | 61-142      |        |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 48.5   |      | ug/L  | 50.5  |               | 96.2 | 86-114      |        |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 48.5   |      | ug/L  | 50.5  |               | 96.2 | 82-121      |        |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 48.4   |      | ug/L  | 50.2  |               | 96.4 | 78-121      |        |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 48.4   |      | ug/L  | 50.2  |               | 96.4 | 80-116      |        |           |       |
| <b>LCS Dup (1HL0133-BSD1)</b>                |        |      |       |   |               |      |             |        |           |       |
|  |        |      |       | Prepared: 12/02/24 00:00 Analyzed: 12/02/24 15:07 |               |      |             |        |           |       |
| Chloromethane                                | 51.45  | 1.0  | ug/L  | 50.5  |               | 102  | 63-155      | 10.8   | 24        |       |
| Vinyl Chloride                               | 51.96  | 1.0  | ug/L  | 50.4  |               | 103  | 70-154      | 10.9   | 25        |       |
| Bromomethane                                 | 54.13  | 1.0  | ug/L  | 50.2  |               | 108  | 52-176      | 10.6   | 27        |       |
| Chloroethane                                 | 45.56  | 1.0  | ug/L  | 50.5  |               | 90.2 | 72-148      | 8.17   | 25        |       |
| Trichlorofluoromethane                       | 41.60  | 1.0  | ug/L  | 50.5  |               | 82.4 | 70-152      | 8.36   | 26        |       |
| 1,1-Dichloroethylene                         | 28.16  | 1.0  | ug/L  | 30.1  |               | 93.6 | 70-148      | 6.49   | 24        |       |
| Acetone                                      | 101.8  | 10.0 | ug/L  | 100   |               | 102  | 43-172      | 12.4   | 30        |       |
| Methyl Iodide                                | 86.78  | 1.0  | ug/L  | 100   |               | 86.8 | 69-170      | 6.34   | 30        |       |
| Carbon Disulfide                             | 86.82  | 1.0  | ug/L  | 100   |               | 86.8 | 72-162      | 6.64   | 24        |       |
| Methylene Chloride                           | 29.13  | 5.0  | ug/L  | 30.1  |               | 96.9 | 68-142      | 3.87   | 21        |       |
| Acrylonitrile                                | 46.29  | 5.0  | ug/L  | 50.2  |               | 92.2 | 56-135      | 12.0   | 16        |       |
| trans-1,2-Dichloroethylene                   | 30.45  | 1.0  | ug/L  | 30.1  |               | 101  | 66-148      | 3.39   | 27        |       |
| 1,1-Dichloroethane                           | 30.67  | 1.0  | ug/L  | 30.1  |               | 102  | 66-143      | 2.42   | 24        |       |
| Vinyl Acetate                                | 159.2  | 5.0  | ug/L  | 156   |               | 102  | 43-153      | 6.70   | 30        |       |
| cis-1,2-Dichloroethylene                     | 30.99  | 1.0  | ug/L  | 30.2  |               | 103  | 71-149      | 0.388  | 26        |       |
| 2-Butanone (MEK)                             | 99.10  | 10.0 | ug/L  | 100   |               | 99.1 | 52-159      | 19.2   | 27        |       |
| Bromochloromethane                           | 31.26  | 1.0  | ug/L  | 30.2  |               | 103  | 69-143      | 2.30   | 23        |       |
| Chloroform                                   | 30.64  | 1.0  | ug/L  | 30.0  |               | 102  | 69-144      | 1.08   | 23        |       |
| 1,1,1-Trichloroethane                        | 29.99  | 1.0  | ug/L  | 30.1  |               | 99.7 | 62-129      | 0.233  | 24        |       |
| Carbon Tetrachloride                         | 30.07  | 1.0  | ug/L  | 30.1  |               | 100  | 63-141      | 0.0333 | 25        |       |
| Benzene                                      | 31.72  | 1.0  | ug/L  | 30.3  |               | 105  | 71-134      | 0.754  | 24        |       |
| 1,2-Dichloroethane                           | 32.28  | 1.0  | ug/L  | 30.1  |               | 107  | 72-132      | 3.31   | 24        |       |
| Trichloroethylene                            | 30.25  | 1.0  | ug/L  | 30.1  |               | 101  | 71-135      | 0.497  | 24        |       |
| 1,2-Dichloropropane                          | 31.32  | 1.0  | ug/L  | 30.1  |               | 104  | 69-136      | 2.00   | 24        |       |
| Dibromomethane                               | 30.50  | 1.0  | ug/L  | 30.2  |               | 101  | 73-147      | 6.36   | 25        |       |
| Bromodichloromethane                         | 30.38  | 1.0  | ug/L  | 30.1  |               | 101  | 68-129      | 2.20   | 22        |       |
| cis-1,3-Dichloropropene                      | 30.13  | 1.0  | ug/L  | 30.1  |               | 100  | 65-134      | 2.69   | 23        |       |



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| Determination of Volatile Organic Compounds  | Result | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|--|--------|------|-------|---|---------------|------|-------------|--------|-----------|-------|
| <b>Batch 1HL0133 - EPA 5030B - EPA 8260D</b> |        |      |       |   |               |      |             |        |           |       |
| <b>LCS Dup (1HL0133-BSD1)</b>                |        |      |       |   |               |      |             |        |           |       |
|  |        |      |       | Prepared: 12/02/24 00:00 Analyzed: 12/02/24 15:07 |               |      |             |        |           |       |
| 4-Methyl-2-pentanone (MIBK)                  | 107.8  | 5.0  | ug/L  | 100   |               | 108  | 58-147      | 20.9   | 27        |       |
| Toluene                                      | 30.71  | 1.0  | ug/L  | 30.3  |               | 101  | 72-133      | 1.15   | 24        |       |
| trans-1,3-Dichloropropene                    | 29.85  | 1.0  | ug/L  | 30.0  |               | 99.4 | 67-130      | 4.56   | 24        |       |
| 1,1,2-Trichloroethane                        | 30.90  | 1.0  | ug/L  | 30.1  |               | 103  | 69-135      | 6.93   | 23        |       |
| Tetrachloroethylene                          | 33.64  | 1.0  | ug/L  | 30.1  |               | 112  | 69-130      | 0.0297 | 25        |       |
| 2-Hexanone (MBK)                             | 116.5  | 5.0  | ug/L  | 100   |               | 116  | 55-144      | 24.9   | 25        |       |
| Dibromochloromethane                         | 33.35  | 1.0  | ug/L  | 30.0  |               | 111  | 73-127      | 3.85   | 22        |       |
| 1,2-Dibromoethane                            | 34.13  | 1.0  | ug/L  | 30.1  |               | 113  | 67-132      | 7.63   | 24        |       |
| Chlorobenzene                                | 33.70  | 1.0  | ug/L  | 30.0  |               | 112  | 72-123      | 1.98   | 23        |       |
| 1,1,1,2-Tetrachloroethane                    | 34.45  | 1.0  | ug/L  | 30.2  |               | 114  | 73-127      | 2.29   | 24        |       |
| Ethylbenzene                                 | 34.91  | 1.0  | ug/L  | 30.1  |               | 116  | 71-127      | 1.56   | 26        |       |
| Xylenes, total                               | 102.0  | 2.0  | ug/L  | 90.6  |               | 112  | 74-127      | 2.15   | 25        |       |
| Styrene                                      | 35.40  | 1.0  | ug/L  | 30.2  |               | 117  | 66-126      | 3.77   | 23        |       |
| Bromoform                                    | 33.87  | 1.0  | ug/L  | 30.1  |               | 113  | 68-130      | 10.2   | 23        |       |
| 1,2,3-Trichloropropane                       | 34.67  | 1.0  | ug/L  | 30.2  |               | 115  | 63-136      | 14.7   | 24        |       |
| trans-1,4-Dichloro-2-butene                  | 108.2  | 5.0  | ug/L  | 100   |               | 108  | 54-134      | 14.7   | 27        |       |
| 1,1,2,2-Tetrachloroethane                    | 36.66  | 1.0  | ug/L  | 30.1  |               | 122  | 61-131      | 12.7   | 29        |       |
| 1,4-Dichlorobenzene                          | 34.87  | 1.0  | ug/L  | 30.1  |               | 116  | 70-129      | 3.53   | 24        |       |
| 1,2-Dichlorobenzene                          | 34.13  | 1.0  | ug/L  | 30.1  |               | 114  | 69-126      | 2.85   | 26        |       |
| 1,2-Dibromo-3-chloropropane                  | 31.78  | 5.0  | ug/L  | 30.1  |               | 106  | 50-143      | 22.7   | 30        |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 48.5   |      | ug/L  | 50.2  |               | 96.6 | 57-134      |        |           |       |
| <i>Surrogate: Dibromofluoromethane</i>       | 48.5   |      | ug/L  | 50.2  |               | 96.6 | 75-136      |        |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 51.2   |      | ug/L  | 50.4  |               | 102  | 53-140      |        |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>      | 51.2   |      | ug/L  | 50.4  |               | 102  | 61-142      |        |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 48.7   |      | ug/L  | 50.5  |               | 96.5 | 86-114      |        |           |       |
| <i>Surrogate: Toluene-d8</i>                 | 48.7   |      | ug/L  | 50.5  |               | 96.5 | 82-121      |        |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 48.6   |      | ug/L  | 50.2  |               | 96.8 | 78-121      |        |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>       | 48.6   |      | ug/L  | 50.2  |               | 96.8 | 80-116      |        |           |       |
| <b>Matrix Spike (1HL0133-MS1)</b>            |        |      |       |   |               |      |             |        |           |       |
|  |        |      |       | Prepared: 12/02/24 00:00 Analyzed: 12/03/24 04:00 |               |      |             |        |           |       |
| Chloromethane                                | 636.4  | 10.0 | ug/L  | 505   | ND            | 126  | 61-152      |        |           |       |
| Vinyl Chloride                               | 647.5  | 10.0 | ug/L  | 504   | ND            | 128  | 66-149      |        |           |       |
| Bromomethane                                 | 633.5  | 10.0 | ug/L  | 502   | ND            | 126  | 43-171      |        |           |       |
| Chloroethane                                 | 571.2  | 10.0 | ug/L  | 505   | ND            | 113  | 69-148      |        |           |       |
| Trichlorofluoromethane                       | 527.6  | 10.0 | ug/L  | 505   | ND            | 104  | 62-163      |        |           |       |
| 1,1-Dichloroethylene                         | 359.0  | 10.0 | ug/L  | 301   | ND            | 119  | 70-148      |        |           |       |
| Acetone                                      | 1305   | 100  | ug/L  | 1000  | ND            | 131  | 45-173      |        |           |       |
| Methyl Iodide                                | 1025   | 10.0 | ug/L  | 1000  | ND            | 102  | 62-167      |        |           |       |
| Carbon Disulfide                             | 1089   | 10.0 | ug/L  | 1000  | ND            | 109  | 71-163      |        |           |       |
| Methylene Chloride                           | 355.8  | 50.0 | ug/L  | 301   | ND            | 118  | 69-140      |        |           |       |
| Acrylonitrile                                | 219.1  | 20.0 | ug/L  | 502   | ND            | 43.6 | 38-147      |        |           |       |
| trans-1,2-Dichloroethylene                   | 381.7  | 10.0 | ug/L  | 301   | ND            | 127  | 69-144      |        |           |       |
| 1,1-Dichloroethane                           | 387.0  | 10.0 | ug/L  | 301   | ND            | 129  | 70-138      |        |           |       |
| Vinyl Acetate                                | 1758   | 50.0 | ug/L  | 1560  | ND            | 113  | 58-142      |        |           |       |

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| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|------|-----------|-------|
| <b>Batch 1HL0133 - EPA 5030B - EPA 8260D</b> |                           |      |       |   |               |      |             |      |           |       |
| <b>Matrix Spike (1HL0133-MS1)</b>            | <b>Source: 1HL0001-01</b> |      |       | Prepared: 12/02/24 00:00 Analyzed: 12/03/24 04:00 |               |      |             |      |           |       |
| cis-1,2-Dichloroethylene                     | 373.9                     | 10.0 | ug/L  | 302   | ND            | 124  | 68-151      |      |           |       |
| 2-Butanone (MEK)                             | 1265                      | 100  | ug/L  | 1000  | ND            | 126  | 50-160      |      |           |       |
| Bromochloromethane                           | 396.6                     | 10.0 | ug/L  | 302   | ND            | 131  | 65-143      |      |           |       |
| Chloroform                                   | 378.2                     | 10.0 | ug/L  | 300   | ND            | 126  | 71-143      |      |           |       |
| 1,1,1-Trichloroethane                        | 381.6                     | 10.0 | ug/L  | 301   | ND            | 127  | 63-133      |      |           |       |
| Carbon Tetrachloride                         | 378.9                     | 10.0 | ug/L  | 301   | ND            | 126  | 63-142      |      |           |       |
| Benzene                                      | 353.5                     | 10.0 | ug/L  | 303   | ND            | 117  | 69-133      |      |           |       |
| 1,2-Dichloroethane                           | 359.1                     | 10.0 | ug/L  | 301   | ND            | 119  | 63-138      |      |           |       |
| Trichloroethylene                            | 337.8                     | 10.0 | ug/L  | 301   | ND            | 112  | 71-133      |      |           |       |
| 1,2-Dichloropropane                          | 346.6                     | 10.0 | ug/L  | 301   | ND            | 115  | 69-132      |      |           |       |
| Dibromomethane                               | 336.9                     | 10.0 | ug/L  | 302   | ND            | 111  | 70-147      |      |           |       |
| Bromodichloromethane                         | 334.3                     | 10.0 | ug/L  | 301   | ND            | 111  | 67-130      |      |           |       |
| cis-1,3-Dichloropropene                      | 318.5                     | 10.0 | ug/L  | 301   | ND            | 106  | 61-126      |      |           |       |
| 4-Methyl-2-pentanone (MIBK)                  | 1179                      | 50.0 | ug/L  | 1000  | ND            | 118  | 55-147      |      |           |       |
| Toluene                                      | 341.3                     | 10.0 | ug/L  | 303   | ND            | 113  | 71-133      |      |           |       |
| trans-1,3-Dichloropropene                    | 314.5                     | 10.0 | ug/L  | 300   | ND            | 105  | 63-124      |      |           |       |
| 1,1,2-Trichloroethane                        | 337.1                     | 10.0 | ug/L  | 301   | ND            | 112  | 69-133      |      |           |       |
| Tetrachloroethylene                          | 354.7                     | 10.0 | ug/L  | 301   | ND            | 118  | 70-124      |      |           |       |
| 2-Hexanone (MBK)                             | 1213                      | 50.0 | ug/L  | 1000  | ND            | 121  | 53-141      |      |           |       |
| Dibromochloromethane                         | 355.0                     | 10.0 | ug/L  | 300   | ND            | 118  | 74-122      |      |           |       |
| 1,2-Dibromoethane                            | 358.8                     | 10.0 | ug/L  | 301   | ND            | 119  | 66-127      |      |           |       |
| Chlorobenzene                                | 356.7                     | 10.0 | ug/L  | 300   | ND            | 119  | 76-116      |      |           | M1    |
| 1,1,1,2-Tetrachloroethane                    | 362.3                     | 10.0 | ug/L  | 302   | ND            | 120  | 77-121      |      |           |       |
| Ethylbenzene                                 | 374.5                     | 10.0 | ug/L  | 301   | ND            | 124  | 73-124      |      |           |       |
| Xylenes, total                               | 1091                      | 20.0 | ug/L  | 906   | ND            | 120  | 75-123      |      |           |       |
| Styrene                                      | 373.6                     | 10.0 | ug/L  | 302   | ND            | 124  | 70-120      |      |           | M1    |
| Bromoform                                    | 353.5                     | 10.0 | ug/L  | 301   | ND            | 118  | 70-124      |      |           |       |
| 1,2,3-Trichloropropane                       | 373.8                     | 10.0 | ug/L  | 302   | ND            | 124  | 62-135      |      |           |       |
| trans-1,4-Dichloro-2-butene                  | 1093                      | 50.0 | ug/L  | 1000  | ND            | 109  | 50-120      |      |           |       |
| 1,1,2,2-Tetrachloroethane                    | 389.5                     | 10.0 | ug/L  | 301   | ND            | 130  | 63-126      |      |           | M1    |
| 1,4-Dichlorobenzene                          | 363.8                     | 10.0 | ug/L  | 301   | ND            | 121  | 72-119      |      |           | M1    |
| 1,2-Dichlorobenzene                          | 357.9                     | 10.0 | ug/L  | 301   | ND            | 119  | 71-117      |      |           | M1    |
| 1,2-Dibromo-3-chloropropane                  | 328.8                     | 50.0 | ug/L  | 301   | ND            | 109  | 49-134      |      |           |       |
| <hr/>  |                           |      |       |   |               |      |             |      |           |       |
| Surrogate: Dibromofluoromethane              | 575                       |      | ug/L  | 502   |               | 115  | 57-134      |      |           |       |
| Surrogate: Dibromofluoromethane              | 575                       |      | ug/L  | 502   |               | 115  | 75-136      |      |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 607                       |      | ug/L  | 504   |               | 120  | 53-140      |      |           |       |
| Surrogate: 1,2-Dichloroethane-d4             | 607                       |      | ug/L  | 504   |               | 120  | 61-142      |      |           |       |
| Surrogate: Toluene-d8                        | 501                       |      | ug/L  | 505   |               | 99.3 | 86-114      |      |           |       |
| Surrogate: Toluene-d8                        | 501                       |      | ug/L  | 505   |               | 99.3 | 82-121      |      |           |       |
| Surrogate: 4-Bromofluorobenzene              | 495                       |      | ug/L  | 502   |               | 98.6 | 78-121      |      |           |       |
| Surrogate: 4-Bromofluorobenzene              | 495                       |      | ug/L  | 502   |               | 98.6 | 80-116      |      |           |       |
| <hr/>  |                           |      |       |   |               |      |             |      |           |       |
| <b>Matrix Spike Dup (1HL0133-MSD1)</b>       | <b>Source: 1HL0001-01</b> |      |       | Prepared: 12/02/24 00:00 Analyzed: 12/03/24 10:22 |               |      |             |      |           |       |
| Chloromethane                                | 666.3                     | 10.0 | ug/L  | 505   | ND            | 132  | 61-152      | 4.59 | 26        |       |

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| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HL0133 - EPA 5030B - EPA 8260D</b> |                           |      |       |   |               |      |             |       |           |       |
| <b>Matrix Spike Dup (1HL0133-MSD1)</b>       | <b>Source: 1HL0001-01</b> |      |       | Prepared: 12/02/24 00:00 Analyzed: 12/03/24 10:22 |               |      |             |       |           |       |
| Vinyl Chloride                               | 506.6                     | 10.0 | ug/L  | 504   | ND            | 100  | 66-149      | 24.4  | 23        | R1    |
| Bromomethane                                 | 550.0                     | 10.0 | ug/L  | 502   | ND            | 110  | 43-171      | 14.1  | 29        |       |
| Chloroethane                                 | 569.4                     | 10.0 | ug/L  | 505   | ND            | 113  | 69-148      | 0.316 | 25        |       |
| Trichlorofluoromethane                       | 526.6                     | 10.0 | ug/L  | 505   | ND            | 104  | 62-163      | 0.190 | 25        |       |
| 1,1-Dichloroethylene                         | 355.6                     | 10.0 | ug/L  | 301   | ND            | 118  | 70-148      | 0.952 | 22        |       |
| Acetone                                      | 1284                      | 100  | ug/L  | 1000  | ND            | 128  | 45-173      | 1.61  | 30        |       |
| Methyl Iodide                                | 682.4                     | 10.0 | ug/L  | 1000  | ND            | 68.2 | 62-167      | 40.1  | 24        | R1    |
| Carbon Disulfide                             | 1072                      | 10.0 | ug/L  | 1000  | ND            | 107  | 71-163      | 1.58  | 22        |       |
| Methylene Chloride                           | 358.3                     | 50.0 | ug/L  | 301   | ND            | 119  | 69-140      | 0.700 | 19        |       |
| Acrylonitrile                                | 551.4                     | 50.0 | ug/L  | 502   | ND            | 110  | 38-147      | 86.2  | 30        | R1    |
| trans-1,2-Dichloroethylene                   | 375.1                     | 10.0 | ug/L  | 301   | ND            | 125  | 69-144      | 1.74  | 22        |       |
| 1,1-Dichloroethane                           | 380.2                     | 10.0 | ug/L  | 301   | ND            | 126  | 70-138      | 1.77  | 20        |       |
| Vinyl Acetate                                | 1688                      | 50.0 | ug/L  | 1560  | ND            | 108  | 58-142      | 4.06  | 24        |       |
| cis-1,2-Dichloroethylene                     | 357.0                     | 10.0 | ug/L  | 302   | ND            | 118  | 68-151      | 4.62  | 22        |       |
| 2-Butanone (MEK)                             | 1190                      | 100  | ug/L  | 1000  | ND            | 119  | 50-160      | 6.07  | 23        |       |
| Bromochloromethane                           | 380.9                     | 10.0 | ug/L  | 302   | ND            | 126  | 65-143      | 4.04  | 22        |       |
| Chloroform                                   | 363.5                     | 10.0 | ug/L  | 300   | ND            | 121  | 71-143      | 3.96  | 21        |       |
| 1,1,1-Trichloroethane                        | 352.1                     | 10.0 | ug/L  | 301   | ND            | 117  | 63-133      | 8.04  | 23        |       |
| Carbon Tetrachloride                         | 352.7                     | 10.0 | ug/L  | 301   | ND            | 117  | 63-142      | 7.16  | 22        |       |
| Benzene                                      | 346.5                     | 10.0 | ug/L  | 303   | ND            | 115  | 69-133      | 2.00  | 18        |       |
| 1,2-Dichloroethane                           | 353.9                     | 10.0 | ug/L  | 301   | ND            | 118  | 63-138      | 1.46  | 20        |       |
| Trichloroethylene                            | 324.6                     | 10.0 | ug/L  | 301   | ND            | 108  | 71-133      | 3.99  | 23        |       |
| 1,2-Dichloropropane                          | 335.0                     | 10.0 | ug/L  | 301   | ND            | 111  | 69-132      | 3.40  | 20        |       |
| Dibromomethane                               | 330.4                     | 10.0 | ug/L  | 302   | ND            | 109  | 70-147      | 1.95  | 22        |       |
| Bromodichloromethane                         | 328.0                     | 10.0 | ug/L  | 301   | ND            | 109  | 67-130      | 1.90  | 21        |       |
| cis-1,3-Dichloropropene                      | 309.4                     | 10.0 | ug/L  | 301   | ND            | 103  | 61-126      | 2.90  | 21        |       |
| 4-Methyl-2-pentanone (MIBK)                  | 1238                      | 50.0 | ug/L  | 1000  | ND            | 124  | 55-147      | 4.86  | 23        |       |
| Toluene                                      | 336.9                     | 10.0 | ug/L  | 303   | ND            | 111  | 71-133      | 1.30  | 19        |       |
| trans-1,3-Dichloropropene                    | 304.7                     | 10.0 | ug/L  | 300   | ND            | 101  | 63-124      | 3.17  | 21        |       |
| 1,1,2-Trichloroethane                        | 328.0                     | 10.0 | ug/L  | 301   | ND            | 109  | 69-133      | 2.74  | 19        |       |
| Tetrachloroethylene                          | 334.0                     | 10.0 | ug/L  | 301   | ND            | 111  | 70-124      | 6.01  | 24        |       |
| 2-Hexanone (MBK)                             | 1281                      | 50.0 | ug/L  | 1000  | ND            | 128  | 53-141      | 5.43  | 24        |       |
| Dibromochloromethane                         | 341.1                     | 10.0 | ug/L  | 300   | ND            | 114  | 74-122      | 3.99  | 21        |       |
| 1,2-Dibromoethane                            | 346.5                     | 10.0 | ug/L  | 301   | ND            | 115  | 66-127      | 3.49  | 23        |       |
| Chlorobenzene                                | 344.6                     | 10.0 | ug/L  | 300   | ND            | 115  | 76-116      | 3.45  | 21        |       |
| 1,1,1,2-Tetrachloroethane                    | 345.9                     | 10.0 | ug/L  | 302   | ND            | 115  | 77-121      | 4.63  | 25        |       |
| Ethylbenzene                                 | 362.4                     | 10.0 | ug/L  | 301   | ND            | 120  | 73-124      | 3.28  | 20        |       |
| Xylenes, total                               | 1033                      | 20.0 | ug/L  | 906   | ND            | 114  | 75-123      | 5.45  | 20        |       |
| Styrene                                      | 355.3                     | 10.0 | ug/L  | 302   | ND            | 118  | 70-120      | 5.02  | 23        |       |
| Bromoform                                    | 342.7                     | 10.0 | ug/L  | 301   | ND            | 114  | 70-124      | 3.10  | 22        |       |
| 1,2,3-Trichloropropane                       | 363.2                     | 10.0 | ug/L  | 302   | ND            | 120  | 62-135      | 2.88  | 28        |       |
| trans-1,4-Dichloro-2-butene                  | 1045                      | 50.0 | ug/L  | 1000  | ND            | 104  | 50-120      | 4.49  | 26        |       |
| 1,1,2,2-Tetrachloroethane                    | 392.6                     | 10.0 | ug/L  | 301   | ND            | 131  | 63-126      | 0.793 | 24        | M1    |

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Table with columns: Determination of Volatile Organic Compounds, Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Includes data for Batch 1HL0133 - EPA 5030B - EPA 8260D.

Table with columns: Determination of Total Metals, Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Includes data for Batch 1HL0010 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994).

Table with columns: Determination of Total Metals, Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Includes data for Batch 1HL0065 - EPA 3005A Total Recoverable Metals - EPA 6020A.



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| Determination of Total Metals   | Result  | RL     | Units | Spike Level                                       | Source Result | %REC  | %REC Limits | RPD    | RPD Limit | Notes |
|---|---------|--------|-------|---|---------------|---|-------------|--------|-----------|-------|
| <b>Batch 1HL0065 - EPA 3005A Total Recoverable Metals - EPA 6020A</b> |         |        |       |   |               |   |             |        |           |       |
| <b>Blank (1HL0065-BLK1)</b>   |         |        |       |   |               |   |             |        |           |       |
|   |         |        |       | Prepared: 12/02/24 15:05 Analyzed: 12/04/24 21:42 |               |   |             |        |           |       |
| Vanadium, total   | <0.0200 | 0.0200 | mg/L  |   |               |   |             |        |           |       |
| Zinc, total   | <0.0200 | 0.0200 | mg/L  |   |               |   |             |        |           |       |
| <b>LCS (1HL0065-BS1)</b>  |         |        |       |   |               |   |             |        |           |       |
|   |         |        |       | Prepared: 12/02/24 15:05 Analyzed: 12/04/24 21:49 |               |   |             |        |           |       |
| Antimony, total   | 0.100   | 0.0020 | mg/L  | 0.100   |               | 100   | 80-120      |        |           |       |
| Arsenic, total  | 0.0997  | 0.0040 | mg/L  | 0.100   |               | 99.7  | 80-120      |        |           |       |
| Barium, total   | 0.112   | 0.0040 | mg/L  | 0.100   |               | 112   | 80-120      |        |           |       |
| Beryllium, total  | 0.105   | 0.0040 | mg/L  | 0.100   |               | 105   | 80-120      |        |           |       |
| Cadmium, total  | 0.0961  | 0.0008 | mg/L  | 0.100   |               | 96.1  | 80-120      |        |           |       |
| Chromium, total   | 0.0936  | 0.0080 | mg/L  | 0.100   |               | 93.6  | 80-120      |        |           |       |
| Cobalt, total   | 0.103   | 0.0004 | mg/L  | 0.100   |               | 103   | 80-120      |        |           |       |
| Copper, total   | 0.0971  | 0.0040 | mg/L  | 0.100   |               | 97.1  | 80-120      |        |           |       |
| Lead, total   | 0.0961  | 0.0040 | mg/L  | 0.100   |               | 96.1  | 80-120      |        |           |       |
| Nickel, total   | 0.0985  | 0.0040 | mg/L  | 0.100   |               | 98.5  | 80-120      |        |           |       |
| Selenium, total   | 0.1022  | 0.0040 | mg/L  | 0.100   |               | 102   | 80-120      |        |           |       |
| Silver, total   | 0.101   | 0.0040 | mg/L  | 0.100   |               | 101   | 80-120      |        |           |       |
| Thallium, total   | 0.0970  | 0.0020 | mg/L  | 0.100   |               | 97.0  | 80-120      |        |           |       |
| Vanadium, total   | 0.100   | 0.0200 | mg/L  | 0.100   |               | 100   | 80-120      |        |           |       |
| Zinc, total   | 0.101   | 0.0200 | mg/L  | 0.100   |               | 101   | 80-120      |        |           |       |
| <b>Matrix Spike (1HL0065-MS1)</b>                                     |         |        |       |   |               |   |             |        |           |       |
|   |         |        |       | Source: 1HK2018-02                                |               | Prepared: 12/02/24 15:05 Analyzed: 12/04/24 22:19 |             |        |           |       |
| Antimony, total   | 0.0999  | 0.0020 | mg/L  | 0.100   | ND            | 99.9  | 75-125      |        |           |       |
| Arsenic, total  | 0.101   | 0.0040 | mg/L  | 0.100   | 0.0051        | 95.4  | 75-125      |        |           |       |
| Barium, total   | 0.517   | 0.0040 | mg/L  | 0.100   | 0.415         | 102   | 75-125      |        |           |       |
| Beryllium, total  | 0.102   | 0.0040 | mg/L  | 0.100   | 0.0001        | 102   | 75-125      |        |           |       |
| Cadmium, total  | 0.0934  | 0.0008 | mg/L  | 0.100   | ND            | 93.4  | 75-125      |        |           |       |
| Chromium, total   | 0.0907  | 0.0080 | mg/L  | 0.100   | 0.0011        | 89.6  | 75-125      |        |           |       |
| Cobalt, total   | 0.0980  | 0.0004 | mg/L  | 0.100   | 0.0006        | 97.4  | 75-125      |        |           |       |
| Copper, total   | 0.0874  | 0.0040 | mg/L  | 0.100   | 0.0010        | 86.4  | 75-125      |        |           |       |
| Lead, total   | 0.0934  | 0.0040 | mg/L  | 0.100   | ND            | 93.4  | 75-125      |        |           |       |
| Nickel, total   | 0.100   | 0.0040 | mg/L  | 0.100   | 0.0072        | 93.0  | 75-125      |        |           |       |
| Selenium, total   | 0.0981  | 0.0040 | mg/L  | 0.100   | ND            | 98.1  | 75-125      |        |           |       |
| Silver, total   | 0.0969  | 0.0040 | mg/L  | 0.100   | ND            | 96.9  | 75-125      |        |           |       |
| Thallium, total   | 0.0955  | 0.0020 | mg/L  | 0.100   | ND            | 95.5  | 75-125      |        |           |       |
| Vanadium, total   | 0.0953  | 0.0200 | mg/L  | 0.100   | ND            | 95.3  | 75-125      |        |           |       |
| Zinc, total   | 0.350   | 0.0200 | mg/L  | 0.100   | 0.262         | 88.1  | 75-125      |        |           |       |
| <b>Matrix Spike Dup (1HL0065-MSD1)</b>                                |         |        |       |   |               |   |             |        |           |       |
|   |         |        |       | Source: 1HK2018-02                                |               | Prepared: 12/02/24 15:05 Analyzed: 12/04/24 22:25 |             |        |           |       |
| Antimony, total   | 0.100   | 0.0020 | mg/L  | 0.100   | ND            | 100   | 75-125      | 0.0980 | 20        |       |
| Arsenic, total  | 0.104   | 0.0040 | mg/L  | 0.100   | 0.0051        | 98.5  | 75-125      | 3.00   | 20        |       |
| Barium, total   | 0.522   | 0.0040 | mg/L  | 0.100   | 0.415         | 107   | 75-125      | 1.12   | 20        |       |
| Beryllium, total  | 0.100   | 0.0040 | mg/L  | 0.100   | 0.0001        | 100   | 75-125      | 1.27   | 20        |       |
| Cadmium, total  | 0.0944  | 0.0008 | mg/L  | 0.100   | ND            | 94.4  | 75-125      | 1.05   | 20        |       |
| Chromium, total   | 0.0908  | 0.0080 | mg/L  | 0.100   | 0.0011        | 89.6  | 75-125      | 0.0714 | 20        |       |
| Cobalt, total   | 0.0985  | 0.0004 | mg/L  | 0.100   | 0.0006        | 97.9  | 75-125      | 0.510  | 20        |       |
| Copper, total   | 0.0893  | 0.0040 | mg/L  | 0.100   | 0.0010        | 88.3  | 75-125      | 2.11   | 20        |       |



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| Determination of Total Metals   | Result | RL     | Units   | Spike Level | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|---|--------|--------|---|-------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HL0065 - EPA 3005A Total Recoverable Metals - EPA 6020A</b> |        |        |   |             |               |      |             |       |           |       |
| <b>Matrix Spike Dup (1HL0065-MSD1)</b>                                |        |        |   |             |               |      |             |       |           |       |
| Source: 1HK2018-02  |        |        | Prepared: 12/02/24 15:05 Analyzed: 12/04/24 22:25 |             |               |      |             |       |           |       |
| Lead, total   | 0.0937 | 0.0040 | mg/L  | 0.100       | ND            | 93.7 | 75-125      | 0.307 | 20        |       |
| Nickel, total   | 0.103  | 0.0040 | mg/L  | 0.100       | 0.0072        | 96.1 | 75-125      | 3.00  | 20        |       |
| Selenium, total   | 0.0993 | 0.0040 | mg/L  | 0.100       | ND            | 99.3 | 75-125      | 1.21  | 20        |       |
| Silver, total   | 0.0997 | 0.0040 | mg/L  | 0.100       | ND            | 99.7 | 75-125      | 2.85  | 20        |       |
| Thallium, total   | 0.0954 | 0.0020 | mg/L  | 0.100       | ND            | 95.4 | 75-125      | 0.100 | 20        |       |
| Vanadium, total   | 0.0968 | 0.0200 | mg/L  | 0.100       | ND            | 96.8 | 75-125      | 1.56  | 20        |       |
| Zinc, total   | 0.358  | 0.0200 | mg/L  | 0.100       | 0.262         | 96.3 | 75-125      | 2.32  | 20        |       |

|                                 |        |  |   |        |         |      |        |  |  |  |
|---------------------------------|--------|--|---|--------|---------|------|--------|--|--|--|
| <b>Post Spike (1HL0065-PS1)</b> |        |  |   |        |         |      |        |  |  |  |
| Source: 1HK2018-02              |        |  | Prepared: 12/02/24 15:05 Analyzed: 12/04/24 22:31 |        |         |      |        |  |  |  |
| Antimony, total                 | 0.0795 |  | mg/L  | 0.0800 | 0.0002  | 99.1 | 80-120 |  |  |  |
| Arsenic, total                  | 0.0825 |  | mg/L  | 0.0800 | 0.0050  | 96.8 | 80-120 |  |  |  |
| Barium, total                   | 0.500  |  | mg/L  | 0.0800 | 0.407   | 117  | 80-120 |  |  |  |
| Beryllium, total                | 0.0809 |  | mg/L  | 0.0800 | 0.0001  | 101  | 80-120 |  |  |  |
| Cadmium, total                  | 0.0733 |  | mg/L  | 0.0800 | 0.00007 | 91.5 | 80-120 |  |  |  |
| Chromium, total                 | 0.0722 |  | mg/L  | 0.0800 | 0.0011  | 88.8 | 80-120 |  |  |  |
| Cobalt, total                   | 0.0797 |  | mg/L  | 0.0800 | 0.0006  | 98.9 | 80-120 |  |  |  |
| Copper, total                   | 0.0726 |  | mg/L  | 0.0800 | 0.0010  | 89.5 | 80-120 |  |  |  |
| Lead, total                     | 0.0750 |  | mg/L  | 0.0800 | 0.0003  | 93.4 | 80-120 |  |  |  |
| Nickel, total                   | 0.0820 |  | mg/L  | 0.0800 | 0.0071  | 93.7 | 80-120 |  |  |  |
| Selenium, total                 | 0.0792 |  | mg/L  | 0.0800 | 0.0014  | 97.2 | 80-120 |  |  |  |
| Silver, total                   | 0.0790 |  | mg/L  | 0.0800 | 0.00009 | 98.6 | 80-120 |  |  |  |
| Thallium, total                 | 0.0758 |  | mg/L  | 0.0800 | 0.0001  | 94.6 | 80-120 |  |  |  |
| Vanadium, total                 | 0.0798 |  | mg/L  | 0.0800 | 0.0054  | 92.9 | 80-120 |  |  |  |
| Zinc, total                     | 0.333  |  | mg/L  | 0.0800 | 0.256   | 95.1 | 80-120 |  |  |  |

Definitions

- M1:** Matrix spike recovery is above acceptance limits.
- R1:** Duplicate RPD is outside acceptance criteria.
- RL:** Reporting Limit
- RPD:** Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.6°C

Cooler Inspection Checklist

|                  |     |                        |     |
|------------------|-----|------------------------|-----|
| Custody Seals    | No  | Containers Intact      | Yes |
| COC/Labels Agree | Yes | Preservation Confirmed | No  |
| Received On Ice  | Yes |                        |     |



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1HK2018

**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:**

A rectangular box containing a handwritten signature in black ink that reads "Heather Murphy".

Heather Murphy  
Customer Relationship Specialist  
heather.murphy@microbac.com  
12/09/24 16:55







Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HL0900

Project Description

6007

For:

Todd Whipple

**HLW Engineering**

204 West Broad St

Story City, IA 50248

---

Heather Murphy

Customer Relationship Specialist

Friday, December 20, 2024

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

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

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1HL0900

**HLW Engineering**

Todd Whipple  
204 West Broad St  
Story City, IA 50248

**Project Name: 6007**

Project / PO Number: N/A  
Received: 12/11/2024  
Reported: 12/20/2024

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**Sample Summary Report**

| <u>Sample Name</u> | <u>Laboratory ID</u> | <u>Client Matrix</u> | <u>Sample Type</u> | <u>Sample Begin</u> | <u>Sample Taken</u> | <u>Lab Received</u> |
|--------------------|----------------------|----------------------|--------------------|---------------------|---------------------|---------------------|
| GU-3               | 1HL0900-01           | Aqueous              | GRAB               |                     | 12/08/24 14:05      | 12/11/24 09:50      |
| PEC-3              | 1HL0900-02           | Aqueous              | GRAB               |                     | 12/08/24 14:10      | 12/11/24 09:50      |



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1HL0900

Analytical Testing Parameters

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | GU-3       | <b>Collected By:</b>    | JGH              |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 12/08/2024 14:05 |
| <b>Lab Sample ID:</b>    | 1HL0900-01 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260D</b>                  |        |      |       |    |      |               |               |         |
| Chloromethane                               | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Vinyl Chloride                              | 1.8    | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Bromomethane                                | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Chloroethane                                | 1.1    | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Trichlorofluoromethane                      | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Acetone                                     | <10.0  | 10.0 | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Methyl Iodide                               | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Carbon Disulfide                            | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Methylene Chloride                          | <5.0   | 5.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Acrylonitrile                               | <5.0   | 5.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| trans-1,2-Dichloroethylene                  | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,1-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Vinyl Acetate                               | <5.0   | 5.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| cis-1,2-Dichloroethylene                    | 6.0    | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0 | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Bromochloromethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Chloroform                                  | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,1,1-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Benzene                                     | 7.8    | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,2-Dichloropropane                         | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Dibromomethane                              | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Bromodichloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| cis-1,3-Dichloropropene                     | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <5.0   | 5.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Toluene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| trans-1,3-Dichloropropene                   | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,1,2-Trichloroethane                       | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 2-Hexanone (MBK)                            | <5.0   | 5.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Dibromochloromethane                        | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,2-Dibromoethane                           | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Chlorobenzene                               | 1.8    | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Ethylbenzene                                | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Xylenes, total                              | <2.0   | 2.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Styrene                                     | <1.0   | 1.0  | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | GU-3       | <b>Collected By:</b>    | JGH              |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 12/08/2024 14:05 |
| <b>Lab Sample ID:</b>    | 1HL0900-01 |                         |                  |

| Determination of Volatile Organic Compounds | Result     | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|------------|---------------|-------|----|------|---------------|---------------|---------|
| Bromoform                                   | <1.0       | 1.0           | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,2,3-Trichloropropane                      | <1.0       | 1.0           | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| trans-1,4-Dichloro-2-butene                 | <5.0       | 5.0           | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <1.0       | 1.0           | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,4-Dichlorobenzene                         | <b>1.2</b> | 1.0           | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,2-Dichlorobenzene                         | <1.0       | 1.0           | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <5.0       | 5.0           | ug/L  | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Surrogate: Dibromofluoromethane             | 102        | Limit: 57-134 | % Rec | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Surrogate: Dibromofluoromethane             | 102        | Limit: 75-136 | % Rec | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 111        | Limit: 61-142 | % Rec | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 111        | Limit: 53-140 | % Rec | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Surrogate: Toluene-d8                       | 92.8       | Limit: 86-114 | % Rec | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Surrogate: Toluene-d8                       | 92.8       | Limit: 82-121 | % Rec | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 96.2       | Limit: 78-121 | % Rec | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 96.2       | Limit: 80-116 | % Rec | 1  |      | 12/13/24 0000 | 12/13/24 1416 | CSM     |

| Determination of Total Metals | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3005A/EPA 6020A</b>    |               |        |       |    |      |               |               |         |
| Antimony, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Arsenic, total                | <0.0040       | 0.0040 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Barium, total                 | <b>0.683</b>  | 0.0040 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Beryllium, total              | <0.0040       | 0.0040 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Cadmium, total                | <0.0008       | 0.0008 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Chromium, total               | <0.0080       | 0.0080 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Cobalt, total                 | <0.0004       | 0.0004 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Copper, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Lead, total                   | <0.0040       | 0.0040 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Nickel, total                 | <b>0.0235</b> | 0.0040 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Selenium, total               | <0.0040       | 0.0040 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Silver, total                 | <0.0040       | 0.0040 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Thallium, total               | <0.0020       | 0.0020 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Vanadium, total               | <0.0200       | 0.0200 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |
| Zinc, total                   | <0.0200       | 0.0200 | mg/L  | 4  |      | 12/16/24 1534 | 12/18/24 1843 | RVV     |

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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | PEC-3      | <b>Collected By:</b>    | JGH              |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 12/08/2024 14:10 |
| <b>Lab Sample ID:</b>    | 1HL0900-02 |                         |                  |

| Determination of Volatile Organic Compounds | Result     | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|------------|------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 8260D</b>                  |            |      |       |    |      |               |               |         |
| Chloromethane                               | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Vinyl Chloride                              | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Bromomethane                                | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Chloroethane                                | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Trichlorofluoromethane                      | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,1-Dichloroethylene                        | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Acetone                                     | <b>508</b> | 20.0 | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Methyl Iodide                               | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Carbon Disulfide                            | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Methylene Chloride                          | <10.0      | 10.0 | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Acrylonitrile                               | <10.0      | 10.0 | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| trans-1,2-Dichloroethylene                  | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,1-Dichloroethane                          | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Vinyl Acetate                               | <10.0      | 10.0 | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| cis-1,2-Dichloroethylene                    | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 2-Butanone (MEK)                            | <b>606</b> | 20.0 | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Bromochloromethane                          | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Chloroform                                  | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,1,1-Trichloroethane                       | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Carbon Tetrachloride                        | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Benzene                                     | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,2-Dichloroethane                          | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Trichloroethylene                           | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,2-Dichloropropane                         | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Dibromomethane                              | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Bromodichloromethane                        | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| cis-1,3-Dichloropropene                     | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 4-Methyl-2-pentanone (MIBK)                 | <10.0      | 10.0 | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Toluene                                     | <b>2.0</b> | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| trans-1,3-Dichloropropene                   | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,1,2-Trichloroethane                       | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Tetrachloroethylene                         | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 2-Hexanone (MBK)                            | <10.0      | 10.0 | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Dibromochloromethane                        | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,2-Dibromoethane                           | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Chlorobenzene                               | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,1,1,2-Tetrachloroethane                   | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Ethylbenzene                                | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Xylenes, total                              | <4.0       | 4.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Styrene                                     | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Bromoform                                   | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,2,3-Trichloropropane                      | <2.0       | 2.0  | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |

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CERTIFICATE OF ANALYSIS

1HL0900

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | PEC-3      | <b>Collected By:</b>    | JGH              |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 12/08/2024 14:10 |
| <b>Lab Sample ID:</b>    | 1HL0900-02 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| trans-1,4-Dichloro-2-butene                 | <10.0  | 10.0          | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,1,2,2-Tetrachloroethane                   | <2.0   | 2.0           | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,4-Dichlorobenzene                         | <2.0   | 2.0           | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,2-Dichlorobenzene                         | <2.0   | 2.0           | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| 1,2-Dibromo-3-chloropropane                 | <10.0  | 10.0          | ug/L  | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Surrogate: Dibromofluoromethane             | 101    | Limit: 57-134 | % Rec | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Surrogate: Dibromofluoromethane             | 101    | Limit: 75-136 | % Rec | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 111    | Limit: 53-140 | % Rec | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 111    | Limit: 61-142 | % Rec | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Surrogate: Toluene-d8                       | 94.4   | Limit: 86-114 | % Rec | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Surrogate: Toluene-d8                       | 94.4   | Limit: 82-121 | % Rec | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 99.5   | Limit: 78-121 | % Rec | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 99.5   | Limit: 80-116 | % Rec | 2  |      | 12/13/24 0000 | 12/13/24 1502 | CSM     |



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CERTIFICATE OF ANALYSIS

1HL0900

Batch Log Summary

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 8260D | 1HL0858 | 1HL0858-BSD1  |                    |
|           |         | 1HL0858-BS1   |                    |
|           |         | 1HL0858-BSD1  |                    |
|           |         | 1HL0858-BLK1  |                    |
|           |         | 1HL0900-01    | GU-3               |
|           |         | 1HL0900-02    | PEC-3              |
|           |         | 1HL0858-MS1   | 1HL0900-01         |
|           |         | 1HL0858-MSD1  | 1HL0900-01         |

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 6020A | 1HL0900 | 1HL0900-BLK1  |                    |
|           |         | 1HL0900-BS1   |                    |
|           |         | 1HL0900-01    | GU-3               |
|           |         | 1HL0900-MS1   | 1HL0900-01         |
|           |         | 1HL0900-MSD1  | 1HL0900-01         |
|           |         | 1HL0900-PS1   | 1HL0900-01         |

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 1HL0858 - EPA 5030B - EPA 8260D

| Blank (1HL0858-BLK1)       |       |      |      | Prepared: 12/13/24 00:00 Analyzed: 12/13/24 13:53 |  |  |  |  |  |  |
|----------------------------|-------|------|------|---|--|--|--|--|--|--|
| Chloromethane              | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| Vinyl Chloride             | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| Bromomethane               | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| Chloroethane               | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| Trichlorofluoromethane     | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| 1,1-Dichloroethylene       | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| Acetone                    | <10.0 | 10.0 | ug/L |   |  |  |  |  |  |  |
| Methyl Iodide              | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| Carbon Disulfide           | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| Methylene Chloride         | <5.0  | 5.0  | ug/L |   |  |  |  |  |  |  |
| Acrylonitrile              | <5.0  | 5.0  | ug/L |   |  |  |  |  |  |  |
| trans-1,2-Dichloroethylene | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| 1,1-Dichloroethane         | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| Vinyl Acetate              | <5.0  | 5.0  | ug/L |   |  |  |  |  |  |  |
| cis-1,2-Dichloroethylene   | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| 2-Butanone (MEK)           | <10.0 | 10.0 | ug/L |   |  |  |  |  |  |  |
| Bromochloromethane         | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| Chloroform                 | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |
| 1,1,1-Trichloroethane      | <1.0  | 1.0  | ug/L |   |  |  |  |  |  |  |



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1HL0900

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HL0858 - EPA 5030B - EPA 8260D

Blank (1HL0858-BLK1)

Prepared: 12/13/24 00:00 Analyzed: 12/13/24 13:53

|                             |      |     |      |  |  |  |  |  |  |  |
|-----------------------------|------|-----|------|--|--|--|--|--|--|--|
| 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  | 51.4 |  | ug/L | 50.2 |  | 102  | 57-134 |
| Surrogate: Dibromofluoromethane  | 51.4 |  | ug/L | 50.2 |  | 102  | 75-136 |
| Surrogate: 1,2-Dichloroethane-d4 | 55.6 |  | ug/L | 50.4 |  | 110  | 53-140 |
| Surrogate: 1,2-Dichloroethane-d4 | 55.6 |  | ug/L | 50.4 |  | 110  | 61-142 |
| Surrogate: Toluene-d8            | 47.4 |  | ug/L | 50.5 |  | 94.0 | 86-114 |
| Surrogate: Toluene-d8            | 47.4 |  | ug/L | 50.5 |  | 94.0 | 82-121 |
| Surrogate: 4-Bromofluorobenzene  | 48.8 |  | ug/L | 50.2 |  | 97.2 | 78-121 |
| Surrogate: 4-Bromofluorobenzene  | 48.8 |  | ug/L | 50.2 |  | 97.2 | 80-116 |

LCS (1HL0858-BS1)

Prepared: 12/13/24 00:00 Analyzed: 12/13/24 13:07

|                        |       |     |      |      |  |      |        |
|------------------------|-------|-----|------|------|--|------|--------|
| Chloromethane          | 39.65 | 1.0 | ug/L | 30.3 |  | 131  | 63-155 |
| Vinyl Chloride         | 38.54 | 1.0 | ug/L | 30.2 |  | 127  | 70-154 |
| Bromomethane           | 38.47 | 1.0 | ug/L | 30.1 |  | 128  | 52-176 |
| Chloroethane           | 32.74 | 1.0 | ug/L | 30.3 |  | 108  | 72-148 |
| Trichlorofluoromethane | 30.02 | 1.0 | ug/L | 30.3 |  | 99.1 | 70-152 |
| 1,1-Dichloroethylene   | 51.30 | 1.0 | ug/L | 50.1 |  | 102  | 70-148 |

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| Determination of Volatile Organic Compounds  | Result | RL   | Units | Spike Level | Source Result                                     | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch 1HL0858 - EPA 5030B - EPA 8260D</b> |        |      |       |             |   |      |             |     |           |       |
| <b>LCS (1HL0858-BS1)</b>                     |        |      |       |             |   |      |             |     |           |       |
|  |        |      |       |             | Prepared: 12/13/24 00:00 Analyzed: 12/13/24 13:07 |      |             |     |           |       |
| Acetone                                      | 97.98  | 10.0 | ug/L  | 100         |   | 98.0 | 43-172      |     |           |       |
| Methyl Iodide                                | 99.22  | 1.0  | ug/L  | 100         |   | 99.2 | 69-170      |     |           |       |
| Carbon Disulfide                             | 96.27  | 1.0  | ug/L  | 100         |   | 96.3 | 72-162      |     |           |       |
| Methylene Chloride                           | 50.78  | 5.0  | ug/L  | 50.1        |   | 101  | 68-142      |     |           |       |
| Acrylonitrile                                | 42.21  | 5.0  | ug/L  | 50.2        |   | 84.1 | 56-135      |     |           |       |
| trans-1,2-Dichloroethylene                   | 53.41  | 1.0  | ug/L  | 50.1        |   | 107  | 66-148      |     |           |       |
| 1,1-Dichloroethane                           | 53.92  | 1.0  | ug/L  | 50.1        |   | 108  | 66-143      |     |           |       |
| Vinyl Acetate                                | 156.4  | 5.0  | ug/L  | 156         |   | 100  | 43-153      |     |           |       |
| cis-1,2-Dichloroethylene                     | 53.48  | 1.0  | ug/L  | 50.4        |   | 106  | 71-149      |     |           |       |
| 2-Butanone (MEK)                             | 87.66  | 10.0 | ug/L  | 100         |   | 87.7 | 52-159      |     |           |       |
| Bromochloromethane                           | 53.98  | 1.0  | ug/L  | 50.4        |   | 107  | 69-143      |     |           |       |
| Chloroform                                   | 52.00  | 1.0  | ug/L  | 50.1        |   | 104  | 69-144      |     |           |       |
| 1,1,1-Trichloroethane                        | 51.38  | 1.0  | ug/L  | 50.1        |   | 103  | 62-129      |     |           |       |
| Carbon Tetrachloride                         | 51.10  | 1.0  | ug/L  | 50.1        |   | 102  | 63-141      |     |           |       |
| Benzene                                      | 52.55  | 1.0  | ug/L  | 50.4        |   | 104  | 71-134      |     |           |       |
| 1,2-Dichloroethane                           | 51.87  | 1.0  | ug/L  | 50.1        |   | 104  | 72-132      |     |           |       |
| Trichloroethylene                            | 50.20  | 1.0  | ug/L  | 50.1        |   | 100  | 71-135      |     |           |       |
| 1,2-Dichloropropane                          | 51.28  | 1.0  | ug/L  | 50.1        |   | 102  | 69-136      |     |           |       |
| Dibromomethane                               | 48.01  | 1.0  | ug/L  | 50.4        |   | 95.3 | 73-147      |     |           |       |
| Bromodichloromethane                         | 49.81  | 1.0  | ug/L  | 50.1        |   | 99.4 | 68-129      |     |           |       |
| cis-1,3-Dichloropropene                      | 49.10  | 1.0  | ug/L  | 50.1        |   | 98.0 | 65-134      |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                  | 93.21  | 5.0  | ug/L  | 100         |   | 93.2 | 58-147      |     |           |       |
| Toluene                                      | 50.19  | 1.0  | ug/L  | 50.5        |   | 99.4 | 72-133      |     |           |       |
| trans-1,3-Dichloropropene                    | 47.92  | 1.0  | ug/L  | 50.1        |   | 95.7 | 67-130      |     |           |       |
| 1,1,2-Trichloroethane                        | 48.22  | 1.0  | ug/L  | 50.1        |   | 96.3 | 69-135      |     |           |       |
| Tetrachloroethylene                          | 52.92  | 1.0  | ug/L  | 50.1        |   | 106  | 69-130      |     |           |       |
| 2-Hexanone (MBK)                             | 95.89  | 5.0  | ug/L  | 100         |   | 95.9 | 55-144      |     |           |       |
| Dibromochloromethane                         | 51.89  | 1.0  | ug/L  | 50.1        |   | 104  | 73-127      |     |           |       |
| 1,2-Dibromoethane                            | 51.24  | 1.0  | ug/L  | 50.2        |   | 102  | 67-132      |     |           |       |
| Chlorobenzene                                | 53.22  | 1.0  | ug/L  | 50.1        |   | 106  | 72-123      |     |           |       |
| 1,1,1,2-Tetrachloroethane                    | 53.09  | 1.0  | ug/L  | 50.3        |   | 105  | 73-127      |     |           |       |
| Ethylbenzene                                 | 55.21  | 1.0  | ug/L  | 50.2        |   | 110  | 71-127      |     |           |       |
| Xylenes, total                               | 160.7  | 2.0  | ug/L  | 151         |   | 106  | 74-127      |     |           |       |
| Styrene                                      | 54.58  | 1.0  | ug/L  | 50.4        |   | 108  | 66-126      |     |           |       |
| Bromoform                                    | 49.02  | 1.0  | ug/L  | 50.1        |   | 97.8 | 68-130      |     |           |       |
| 1,2,3-Trichloropropane                       | 48.17  | 1.0  | ug/L  | 50.3        |   | 95.7 | 63-136      |     |           |       |
| trans-1,4-Dichloro-2-butene                  | 97.03  | 5.0  | ug/L  | 100         |   | 97.0 | 54-134      |     |           |       |
| 1,1,2,2-Tetrachloroethane                    | 52.45  | 1.0  | ug/L  | 50.1        |   | 105  | 61-131      |     |           |       |
| 1,4-Dichlorobenzene                          | 52.47  | 1.0  | ug/L  | 50.1        |   | 105  | 70-129      |     |           |       |
| 1,2-Dichlorobenzene                          | 51.99  | 1.0  | ug/L  | 50.1        |   | 104  | 69-126      |     |           |       |
| 1,2-Dibromo-3-chloropropane                  | 40.76  | 5.0  | ug/L  | 50.1        |   | 81.3 | 50-143      |     |           |       |
| Surrogate: Dibromofluoromethane              | 51.0   |      | ug/L  | 50.2        |   | 102  | 57-134      |     |           |       |

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1HL0900

| Determination of Volatile Organic Compounds  | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HL0858 - EPA 5030B - EPA 8260D</b> |        |    |       |             |               |      |             |     |           |       |

**LCS (1HL0858-BS1)**

Prepared: 12/13/24 00:00 Analyzed: 12/13/24 13:07

|                                  |      |  |      |      |  |      |        |  |  |  |
|----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane  | 51.0 |  | ug/L | 50.2 |  | 102  | 75-136 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 53.0 |  | ug/L | 50.4 |  | 105  | 53-140 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 53.0 |  | ug/L | 50.4 |  | 105  | 61-142 |  |  |  |
| Surrogate: Toluene-d8            | 49.2 |  | ug/L | 50.5 |  | 97.5 | 86-114 |  |  |  |
| Surrogate: Toluene-d8            | 49.2 |  | ug/L | 50.5 |  | 97.5 | 82-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 47.8 |  | ug/L | 50.2 |  | 95.3 | 78-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 47.8 |  | ug/L | 50.2 |  | 95.3 | 80-116 |  |  |  |

**LCS Dup (1HL0858-BSD1)**

Prepared: 12/13/24 00:00 Analyzed: 12/13/24 12:23

|                             |       |      |      |      |  |      |        |       |    |  |
|-----------------------------|-------|------|------|------|--|------|--------|-------|----|--|
| Chloromethane               | 40.80 | 1.0  | ug/L | 30.3 |  | 135  | 63-155 | 2.86  | 24 |  |
| Vinyl Chloride              | 39.17 | 1.0  | ug/L | 30.2 |  | 129  | 70-154 | 1.62  | 25 |  |
| Bromomethane                | 38.10 | 1.0  | ug/L | 30.1 |  | 126  | 52-176 | 0.966 | 27 |  |
| Chloroethane                | 33.61 | 1.0  | ug/L | 30.3 |  | 111  | 72-148 | 2.62  | 25 |  |
| Trichlorofluoromethane      | 31.02 | 1.0  | ug/L | 30.3 |  | 102  | 70-152 | 3.28  | 26 |  |
| 1,1-Dichloroethylene        | 52.71 | 1.0  | ug/L | 50.1 |  | 105  | 70-148 | 2.71  | 24 |  |
| Acetone                     | 119.2 | 10.0 | ug/L | 100  |  | 119  | 43-172 | 19.5  | 30 |  |
| Methyl Iodide               | 93.52 | 1.0  | ug/L | 100  |  | 93.5 | 69-170 | 5.91  | 30 |  |
| Carbon Disulfide            | 98.46 | 1.0  | ug/L | 100  |  | 98.5 | 72-162 | 2.25  | 24 |  |
| Methylene Chloride          | 51.13 | 5.0  | ug/L | 50.1 |  | 102  | 68-142 | 0.687 | 21 |  |
| Acrylonitrile               | 46.86 | 5.0  | ug/L | 50.2 |  | 93.3 | 56-135 | 10.4  | 16 |  |
| trans-1,2-Dichloroethylene  | 54.44 | 1.0  | ug/L | 50.1 |  | 109  | 66-148 | 1.91  | 27 |  |
| 1,1-Dichloroethane          | 53.52 | 1.0  | ug/L | 50.1 |  | 107  | 66-143 | 0.745 | 24 |  |
| Vinyl Acetate               | 169.5 | 5.0  | ug/L | 156  |  | 109  | 43-153 | 8.03  | 30 |  |
| cis-1,2-Dichloroethylene    | 53.98 | 1.0  | ug/L | 50.4 |  | 107  | 71-149 | 0.931 | 26 |  |
| 2-Butanone (MEK)            | 107.6 | 10.0 | ug/L | 100  |  | 108  | 52-159 | 20.4  | 27 |  |
| Bromochloromethane          | 54.73 | 1.0  | ug/L | 50.4 |  | 109  | 69-143 | 1.38  | 23 |  |
| Chloroform                  | 52.38 | 1.0  | ug/L | 50.1 |  | 105  | 69-144 | 0.728 | 23 |  |
| 1,1,1-Trichloroethane       | 52.40 | 1.0  | ug/L | 50.1 |  | 105  | 62-129 | 1.97  | 24 |  |
| Carbon Tetrachloride        | 52.22 | 1.0  | ug/L | 50.1 |  | 104  | 63-141 | 2.17  | 25 |  |
| Benzene                     | 52.89 | 1.0  | ug/L | 50.4 |  | 105  | 71-134 | 0.645 | 24 |  |
| 1,2-Dichloroethane          | 53.18 | 1.0  | ug/L | 50.1 |  | 106  | 72-132 | 2.49  | 24 |  |
| Trichloroethylene           | 51.05 | 1.0  | ug/L | 50.1 |  | 102  | 71-135 | 1.68  | 24 |  |
| 1,2-Dichloropropane         | 51.63 | 1.0  | ug/L | 50.1 |  | 103  | 69-136 | 0.680 | 24 |  |
| Dibromomethane              | 50.26 | 1.0  | ug/L | 50.4 |  | 99.8 | 73-147 | 4.58  | 25 |  |
| Bromodichloromethane        | 49.65 | 1.0  | ug/L | 50.1 |  | 99.1 | 68-129 | 0.322 | 22 |  |
| cis-1,3-Dichloropropene     | 49.87 | 1.0  | ug/L | 50.1 |  | 99.6 | 65-134 | 1.56  | 23 |  |
| 4-Methyl-2-pentanone (MIBK) | 112.8 | 5.0  | ug/L | 100  |  | 113  | 58-147 | 19.0  | 27 |  |
| Toluene                     | 50.42 | 1.0  | ug/L | 50.5 |  | 99.9 | 72-133 | 0.457 | 24 |  |
| trans-1,3-Dichloropropene   | 49.49 | 1.0  | ug/L | 50.1 |  | 98.8 | 67-130 | 3.22  | 24 |  |
| 1,1,2-Trichloroethane       | 50.11 | 1.0  | ug/L | 50.1 |  | 100  | 69-135 | 3.84  | 23 |  |
| Tetrachloroethylene         | 54.17 | 1.0  | ug/L | 50.1 |  | 108  | 69-130 | 2.33  | 25 |  |
| 2-Hexanone (MBK)            | 119.5 | 5.0  | ug/L | 100  |  | 119  | 55-144 | 21.9  | 25 |  |
| Dibromochloromethane        | 53.29 | 1.0  | ug/L | 50.1 |  | 106  | 73-127 | 2.66  | 22 |  |
| 1,2-Dibromoethane           | 54.68 | 1.0  | ug/L | 50.2 |  | 109  | 67-132 | 6.50  | 24 |  |

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1HL0900

| Determination of Volatile Organic Compounds  | Result | RL  | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|--------|-----|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HL0858 - EPA 5030B - EPA 8260D</b> |        |     |       |   |               |      |             |       |           |       |
| <b>LCS Dup (1HL0858-BSD1)</b>                |        |     |       |   |               |      |             |       |           |       |
|  |        |     |       | Prepared: 12/13/24 00:00 Analyzed: 12/13/24 12:23 |               |      |             |       |           |       |
| Chlorobenzene                                | 53.43  | 1.0 | ug/L  | 50.1  |               | 107  | 72-123      | 0.394 | 23        |       |
| 1,1,1,2-Tetrachloroethane                    | 53.73  | 1.0 | ug/L  | 50.3  |               | 107  | 73-127      | 1.20  | 24        |       |
| Ethylbenzene                                 | 55.91  | 1.0 | ug/L  | 50.2  |               | 111  | 71-127      | 1.26  | 26        |       |
| Xylenes, total                               | 162.4  | 2.0 | ug/L  | 151   |               | 107  | 74-127      | 1.02  | 25        |       |
| Styrene                                      | 54.74  | 1.0 | ug/L  | 50.4  |               | 109  | 66-126      | 0.293 | 23        |       |
| Bromoform                                    | 52.75  | 1.0 | ug/L  | 50.1  |               | 105  | 68-130      | 7.33  | 23        |       |
| 1,2,3-Trichloropropane                       | 54.85  | 1.0 | ug/L  | 50.3  |               | 109  | 63-136      | 13.0  | 24        |       |
| trans-1,4-Dichloro-2-butene                  | 114.1  | 5.0 | ug/L  | 100   |               | 114  | 54-134      | 16.2  | 27        |       |
| 1,1,1,2-Tetrachloroethane                    | 58.71  | 1.0 | ug/L  | 50.1  |               | 117  | 61-131      | 11.3  | 29        |       |
| 1,4-Dichlorobenzene                          | 52.95  | 1.0 | ug/L  | 50.1  |               | 106  | 70-129      | 0.911 | 24        |       |
| 1,2-Dichlorobenzene                          | 53.07  | 1.0 | ug/L  | 50.1  |               | 106  | 69-126      | 2.06  | 26        |       |
| 1,2-Dibromo-3-chloropropane                  | 50.73  | 5.0 | ug/L  | 50.1  |               | 101  | 50-143      | 21.8  | 30        |       |

|                                  |      |  |      |      |  |      |        |  |  |  |
|----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane  | 50.6 |  | ug/L | 50.2 |  | 101  | 57-134 |  |  |  |
| Surrogate: Dibromofluoromethane  | 50.7 |  | ug/L | 50.2 |  | 101  | 75-136 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 53.4 |  | ug/L | 50.4 |  | 106  | 53-140 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 53.3 |  | ug/L | 50.4 |  | 106  | 61-142 |  |  |  |
| Surrogate: Toluene-d8            | 49.1 |  | ug/L | 50.5 |  | 97.4 | 86-114 |  |  |  |
| Surrogate: Toluene-d8            | 49.3 |  | ug/L | 50.5 |  | 97.7 | 82-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 48.2 |  | ug/L | 50.2 |  | 96.2 | 78-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 47.9 |  | ug/L | 50.2 |  | 95.4 | 80-116 |  |  |  |

| Matrix Spike (1HL0858-MS1) | Source: 1HL0900-01 | Prepared: 12/13/24 00:00 Analyzed: 12/13/24 15:47 |      |      |      |      |        |  |  |  |
|----------------------------|--------------------|---|------|------|------|------|--------|--|--|--|
| Chloromethane              | 404.3              | 10.0  | ug/L | 303  | ND   | 133  | 61-152 |  |  |  |
| Vinyl Chloride             | 393.4              | 10.0  | ug/L | 302  | ND   | 130  | 66-149 |  |  |  |
| Bromomethane               | 380.1              | 10.0  | ug/L | 301  | ND   | 126  | 43-171 |  |  |  |
| Chloroethane               | 335.3              | 10.0  | ug/L | 303  | ND   | 111  | 69-148 |  |  |  |
| Trichlorofluoromethane     | 309.5              | 10.0  | ug/L | 303  | ND   | 102  | 62-163 |  |  |  |
| 1,1-Dichloroethylene       | 534.0              | 10.0  | ug/L | 501  | ND   | 107  | 70-148 |  |  |  |
| Acetone                    | 1219               | 100   | ug/L | 1000 | ND   | 122  | 45-173 |  |  |  |
| Methyl Iodide              | 944.1              | 10.0  | ug/L | 1000 | ND   | 94.4 | 62-167 |  |  |  |
| Carbon Disulfide           | 997.4              | 10.0  | ug/L | 1000 | ND   | 99.7 | 71-163 |  |  |  |
| Methylene Chloride         | 520.5              | 50.0  | ug/L | 501  | ND   | 104  | 69-140 |  |  |  |
| Acrylonitrile              | 508.4              | 50.0  | ug/L | 502  | ND   | 101  | 38-147 |  |  |  |
| trans-1,2-Dichloroethylene | 548.4              | 10.0  | ug/L | 501  | ND   | 109  | 69-144 |  |  |  |
| 1,1-Dichloroethane         | 549.9              | 10.0  | ug/L | 501  | ND   | 110  | 70-138 |  |  |  |
| Vinyl Acetate              | 1740               | 50.0  | ug/L | 1560 | ND   | 112  | 58-142 |  |  |  |
| cis-1,2-Dichloroethylene   | 547.0              | 10.0  | ug/L | 504  | ND   | 109  | 68-151 |  |  |  |
| 2-Butanone (MEK)           | 1176               | 100   | ug/L | 1000 | ND   | 118  | 50-160 |  |  |  |
| Bromochloromethane         | 560.1              | 10.0  | ug/L | 504  | ND   | 111  | 65-143 |  |  |  |
| Chloroform                 | 531.8              | 10.0  | ug/L | 501  | ND   | 106  | 71-143 |  |  |  |
| 1,1,1-Trichloroethane      | 529.9              | 10.0  | ug/L | 501  | ND   | 106  | 63-133 |  |  |  |
| Carbon Tetrachloride       | 531.4              | 10.0  | ug/L | 501  | ND   | 106  | 63-142 |  |  |  |
| Benzene                    | 550.2              | 10.0  | ug/L | 504  | 7.78 | 108  | 69-133 |  |  |  |
| 1,2-Dichloroethane         | 558.4              | 10.0  | ug/L | 501  | ND   | 111  | 63-138 |  |  |  |



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1HL0900

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HL0858 - EPA 5030B - EPA 8260D

Matrix Spike (1HL0858-MS1) Source: 1HL0900-01 Prepared: 12/13/24 00:00 Analyzed: 12/13/24 15:47

|                             |       |      |      |      |    |     |        |  |  |  |
|-----------------------------|-------|------|------|------|----|-----|--------|--|--|--|
| Trichloroethylene           | 518.7 | 10.0 | ug/L | 501  | ND | 104 | 71-133 |  |  |  |
| 1,2-Dichloropropane         | 529.9 | 10.0 | ug/L | 501  | ND | 106 | 69-132 |  |  |  |
| Dibromomethane              | 516.2 | 10.0 | ug/L | 504  | ND | 102 | 70-147 |  |  |  |
| Bromodichloromethane        | 512.0 | 10.0 | ug/L | 501  | ND | 102 | 67-130 |  |  |  |
| cis-1,3-Dichloropropene     | 505.7 | 10.0 | ug/L | 501  | ND | 101 | 61-126 |  |  |  |
| 4-Methyl-2-pentanone (MIBK) | 1190  | 50.0 | ug/L | 1000 | ND | 119 | 55-147 |  |  |  |
| Toluene                     | 520.1 | 10.0 | ug/L | 505  | ND | 103 | 71-133 |  |  |  |
| trans-1,3-Dichloropropene   | 502.2 | 10.0 | ug/L | 501  | ND | 100 | 63-124 |  |  |  |
| 1,1,2-Trichloroethane       | 515.1 | 10.0 | ug/L | 501  | ND | 103 | 69-133 |  |  |  |
| Tetrachloroethylene         | 541.0 | 10.0 | ug/L | 501  | ND | 108 | 70-124 |  |  |  |
| 2-Hexanone (MBK)            | 1256  | 50.0 | ug/L | 1000 | ND | 126 | 53-141 |  |  |  |
| Dibromochloromethane        | 539.8 | 10.0 | ug/L | 501  | ND | 108 | 74-122 |  |  |  |
| 1,2-Dibromoethane           | 554.9 | 10.0 | ug/L | 502  | ND | 110 | 66-127 |  |  |  |
| Chlorobenzene               | 544.6 | 10.0 | ug/L | 501  | ND | 109 | 76-116 |  |  |  |
| 1,1,1,2-Tetrachloroethane   | 545.3 | 10.0 | ug/L | 503  | ND | 108 | 77-121 |  |  |  |
| Ethylbenzene                | 568.5 | 10.0 | ug/L | 502  | ND | 113 | 73-124 |  |  |  |
| Xylenes, total              | 1647  | 20.0 | ug/L | 1510 | ND | 109 | 75-123 |  |  |  |
| Styrene                     | 559.2 | 10.0 | ug/L | 504  | ND | 111 | 70-120 |  |  |  |
| Bromoform                   | 537.5 | 10.0 | ug/L | 501  | ND | 107 | 70-124 |  |  |  |
| 1,2,3-Trichloropropane      | 568.9 | 10.0 | ug/L | 503  | ND | 113 | 62-135 |  |  |  |
| trans-1,4-Dichloro-2-butene | 1125  | 50.0 | ug/L | 1000 | ND | 113 | 50-120 |  |  |  |
| 1,1,2,2-Tetrachloroethane   | 594.7 | 10.0 | ug/L | 501  | ND | 119 | 63-126 |  |  |  |
| 1,4-Dichlorobenzene         | 540.5 | 10.0 | ug/L | 501  | ND | 108 | 72-119 |  |  |  |
| 1,2-Dichlorobenzene         | 543.4 | 10.0 | ug/L | 501  | ND | 108 | 71-117 |  |  |  |
| 1,2-Dibromo-3-chloropropane | 535.7 | 50.0 | ug/L | 501  | ND | 107 | 49-134 |  |  |  |

|                                  |     |  |      |     |  |      |        |  |  |  |
|----------------------------------|-----|--|------|-----|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane  | 504 |  | ug/L | 502 |  | 100  | 57-134 |  |  |  |
| Surrogate: Dibromofluoromethane  | 504 |  | ug/L | 502 |  | 100  | 75-136 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 534 |  | ug/L | 504 |  | 106  | 53-140 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 534 |  | ug/L | 504 |  | 106  | 61-142 |  |  |  |
| Surrogate: Toluene-d8            | 499 |  | ug/L | 505 |  | 98.9 | 86-114 |  |  |  |
| Surrogate: Toluene-d8            | 499 |  | ug/L | 505 |  | 98.9 | 82-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 487 |  | ug/L | 502 |  | 97.0 | 78-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 487 |  | ug/L | 502 |  | 97.0 | 80-116 |  |  |  |

Matrix Spike Dup (1HL0858-MSD1) Source: 1HL0900-01 Prepared: 12/13/24 00:00 Analyzed: 12/13/24 16:10

|                        |       |      |      |      |    |      |        |      |    |  |
|------------------------|-------|------|------|------|----|------|--------|------|----|--|
| Chloromethane          | 365.3 | 10.0 | ug/L | 303  | ND | 120  | 61-152 | 10.1 | 26 |  |
| Vinyl Chloride         | 355.6 | 10.0 | ug/L | 302  | ND | 118  | 66-149 | 10.1 | 23 |  |
| Bromomethane           | 351.5 | 10.0 | ug/L | 301  | ND | 117  | 43-171 | 7.82 | 29 |  |
| Chloroethane           | 303.4 | 10.0 | ug/L | 303  | ND | 100  | 69-148 | 9.99 | 25 |  |
| Trichlorofluoromethane | 277.9 | 10.0 | ug/L | 303  | ND | 91.7 | 62-163 | 10.8 | 25 |  |
| 1,1-Dichloroethylene   | 485.1 | 10.0 | ug/L | 501  | ND | 96.8 | 70-148 | 9.60 | 22 |  |
| Acetone                | 1141  | 100  | ug/L | 1000 | ND | 114  | 45-173 | 6.64 | 30 |  |
| Methyl Iodide          | 931.3 | 10.0 | ug/L | 1000 | ND | 93.1 | 62-167 | 1.37 | 24 |  |
| Carbon Disulfide       | 913.7 | 10.0 | ug/L | 1000 | ND | 91.4 | 71-163 | 8.76 | 22 |  |

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1HL0900

| Determination of Volatile Organic Compounds  | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|---------------------------|------|-------|---|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HL0858 - EPA 5030B - EPA 8260D</b> |                           |      |       |   |               |      |             |       |           |       |
| <b>Matrix Spike Dup (1HL0858-MSD1)</b>       | <b>Source: 1HL0900-01</b> |      |       | Prepared: 12/13/24 00:00 Analyzed: 12/13/24 16:10 |               |      |             |       |           |       |
| Methylene Chloride                           | 491.5                     | 50.0 | ug/L  | 501   | ND            | 98.1 | 69-140      | 5.73  | 19        |       |
| Acrylonitrile                                | 482.5                     | 50.0 | ug/L  | 502   | ND            | 96.1 | 38-147      | 5.23  | 30        |       |
| trans-1,2-Dichloroethylene                   | 511.2                     | 10.0 | ug/L  | 501   | ND            | 102  | 69-144      | 7.02  | 22        |       |
| 1,1-Dichloroethane                           | 517.4                     | 10.0 | ug/L  | 501   | ND            | 103  | 70-138      | 6.09  | 20        |       |
| Vinyl Acetate                                | 1695                      | 50.0 | ug/L  | 1560  | ND            | 109  | 58-142      | 2.60  | 24        |       |
| cis-1,2-Dichloroethylene                     | 526.0                     | 10.0 | ug/L  | 504   | ND            | 104  | 68-151      | 3.91  | 22        |       |
| 2-Butanone (MEK)                             | 1126                      | 100  | ug/L  | 1000  | ND            | 113  | 50-160      | 4.39  | 23        |       |
| Bromochloromethane                           | 541.7                     | 10.0 | ug/L  | 504   | ND            | 107  | 65-143      | 3.34  | 22        |       |
| Chloroform                                   | 510.3                     | 10.0 | ug/L  | 501   | ND            | 102  | 71-143      | 4.13  | 21        |       |
| 1,1,1-Trichloroethane                        | 503.2                     | 10.0 | ug/L  | 501   | ND            | 100  | 63-133      | 5.17  | 23        |       |
| Carbon Tetrachloride                         | 505.0                     | 10.0 | ug/L  | 501   | ND            | 101  | 63-142      | 5.09  | 22        |       |
| Benzene                                      | 518.2                     | 10.0 | ug/L  | 504   | 7.78          | 101  | 69-133      | 5.99  | 18        |       |
| 1,2-Dichloroethane                           | 525.8                     | 10.0 | ug/L  | 501   | ND            | 105  | 63-138      | 6.01  | 20        |       |
| Trichloroethylene                            | 488.0                     | 10.0 | ug/L  | 501   | ND            | 97.4 | 71-133      | 6.10  | 23        |       |
| 1,2-Dichloropropane                          | 510.1                     | 10.0 | ug/L  | 501   | ND            | 102  | 69-132      | 3.81  | 20        |       |
| Dibromomethane                               | 497.7                     | 10.0 | ug/L  | 504   | ND            | 98.8 | 70-147      | 3.65  | 22        |       |
| Bromodichloromethane                         | 496.2                     | 10.0 | ug/L  | 501   | ND            | 99.1 | 67-130      | 3.13  | 21        |       |
| cis-1,3-Dichloropropene                      | 490.5                     | 10.0 | ug/L  | 501   | ND            | 97.9 | 61-126      | 3.05  | 21        |       |
| 4-Methyl-2-pentanone (MIBK)                  | 1140                      | 50.0 | ug/L  | 1000  | ND            | 114  | 55-147      | 4.24  | 23        |       |
| Toluene                                      | 496.1                     | 10.0 | ug/L  | 505   | ND            | 98.3 | 71-133      | 4.72  | 19        |       |
| trans-1,3-Dichloropropene                    | 490.0                     | 10.0 | ug/L  | 501   | ND            | 97.9 | 63-124      | 2.46  | 21        |       |
| 1,1,2-Trichloroethane                        | 500.2                     | 10.0 | ug/L  | 501   | ND            | 99.9 | 69-133      | 2.94  | 19        |       |
| Tetrachloroethylene                          | 514.4                     | 10.0 | ug/L  | 501   | ND            | 103  | 70-124      | 5.04  | 24        |       |
| 2-Hexanone (MBK)                             | 1195                      | 50.0 | ug/L  | 1000  | ND            | 119  | 53-141      | 5.04  | 24        |       |
| Dibromochloromethane                         | 524.3                     | 10.0 | ug/L  | 501   | ND            | 105  | 74-122      | 2.91  | 21        |       |
| 1,2-Dibromoethane                            | 542.7                     | 10.0 | ug/L  | 502   | ND            | 108  | 66-127      | 2.22  | 23        |       |
| Chlorobenzene                                | 525.8                     | 10.0 | ug/L  | 501   | ND            | 105  | 76-116      | 3.51  | 21        |       |
| 1,1,1,2-Tetrachloroethane                    | 533.3                     | 10.0 | ug/L  | 503   | ND            | 106  | 77-121      | 2.23  | 25        |       |
| Ethylbenzene                                 | 544.9                     | 10.0 | ug/L  | 502   | ND            | 109  | 73-124      | 4.24  | 20        |       |
| Xylenes, total                               | 1573                      | 20.0 | ug/L  | 1510  | ND            | 104  | 75-123      | 4.58  | 20        |       |
| Styrene                                      | 541.7                     | 10.0 | ug/L  | 504   | ND            | 108  | 70-120      | 3.18  | 23        |       |
| Bromoform                                    | 526.1                     | 10.0 | ug/L  | 501   | ND            | 105  | 70-124      | 2.14  | 22        |       |
| 1,2,3-Trichloropropane                       | 555.6                     | 10.0 | ug/L  | 503   | ND            | 110  | 62-135      | 2.37  | 28        |       |
| trans-1,4-Dichloro-2-butene                  | 1117                      | 50.0 | ug/L  | 1000  | ND            | 112  | 50-120      | 0.758 | 26        |       |
| 1,1,2,2-Tetrachloroethane                    | 596.8                     | 10.0 | ug/L  | 501   | ND            | 119  | 63-126      | 0.352 | 24        |       |
| 1,4-Dichlorobenzene                          | 528.9                     | 10.0 | ug/L  | 501   | ND            | 106  | 72-119      | 2.17  | 24        |       |
| 1,2-Dichlorobenzene                          | 530.0                     | 10.0 | ug/L  | 501   | ND            | 106  | 71-117      | 2.50  | 24        |       |
| 1,2-Dibromo-3-chloropropane                  | 522.9                     | 50.0 | ug/L  | 501   | ND            | 104  | 49-134      | 2.42  | 28        |       |

|                                  |     |      |     |      |        |
|----------------------------------|-----|------|-----|------|--------|
| Surrogate: Dibromofluoromethane  | 504 | ug/L | 502 | 100  | 57-134 |
| Surrogate: Dibromofluoromethane  | 504 | ug/L | 502 | 100  | 75-136 |
| Surrogate: 1,2-Dichloroethane-d4 | 541 | ug/L | 504 | 107  | 53-140 |
| Surrogate: 1,2-Dichloroethane-d4 | 541 | ug/L | 504 | 107  | 61-142 |
| Surrogate: Toluene-d8            | 494 | ug/L | 505 | 97.9 | 86-114 |



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1HL0900

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HL0858 - EPA 5030B - EPA 8260D

Matrix Spike Dup (1HL0858-MSD1) Source: 1HL0900-01 Prepared: 12/13/24 00:00 Analyzed: 12/13/24 16:10

|                                 |     |  |      |     |  |      |        |  |  |  |
|---------------------------------|-----|--|------|-----|--|------|--------|--|--|--|
| Surrogate: Toluene-d8           | 494 |  | ug/L | 505 |  | 97.9 | 82-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 484 |  | ug/L | 502 |  | 96.5 | 78-121 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 484 |  | ug/L | 502 |  | 96.5 | 80-116 |  |  |  |

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|-------------------------------|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HL0900 - EPA 3005A Total Recoverable Metals - EPA 6020A

Blank (1HL0900-BLK1) Prepared: 12/16/24 15:34 Analyzed: 12/18/24 18:31

|                  |         |        |      |  |  |  |  |  |  |  |
|------------------|---------|--------|------|--|--|--|--|--|--|--|
| Antimony, total  | <0.0020 | 0.0020 | mg/L |  |  |  |  |  |  |  |
| Arsenic, total   | <0.0040 | 0.0040 | mg/L |  |  |  |  |  |  |  |
| Barium, total    | <0.0040 | 0.0040 | mg/L |  |  |  |  |  |  |  |
| Beryllium, total | <0.0040 | 0.0040 | mg/L |  |  |  |  |  |  |  |
| Cadmium, total   | <0.0008 | 0.0008 | mg/L |  |  |  |  |  |  |  |
| Chromium, total  | <0.0080 | 0.0080 | mg/L |  |  |  |  |  |  |  |
| Cobalt, total    | <0.0004 | 0.0004 | mg/L |  |  |  |  |  |  |  |
| Copper, total    | <0.0040 | 0.0040 | mg/L |  |  |  |  |  |  |  |
| Lead, total      | <0.0040 | 0.0040 | mg/L |  |  |  |  |  |  |  |
| Nickel, total    | <0.0040 | 0.0040 | mg/L |  |  |  |  |  |  |  |
| Selenium, total  | <0.0040 | 0.0040 | mg/L |  |  |  |  |  |  |  |
| Silver, total    | <0.0040 | 0.0040 | mg/L |  |  |  |  |  |  |  |
| Thallium, total  | <0.0020 | 0.0020 | mg/L |  |  |  |  |  |  |  |
| Vanadium, total  | <0.0200 | 0.0200 | mg/L |  |  |  |  |  |  |  |
| Zinc, total      | <0.0200 | 0.0200 | mg/L |  |  |  |  |  |  |  |

LCS (1HL0900-BS1) Prepared: 12/16/24 15:34 Analyzed: 12/18/24 18:37

|                  |        |        |      |       |  |      |        |  |  |  |
|------------------|--------|--------|------|-------|--|------|--------|--|--|--|
| Antimony, total  | 0.0982 | 0.0020 | mg/L | 0.100 |  | 98.2 | 80-120 |  |  |  |
| Arsenic, total   | 0.0974 | 0.0040 | mg/L | 0.100 |  | 97.4 | 80-120 |  |  |  |
| Barium, total    | 0.110  | 0.0040 | mg/L | 0.100 |  | 110  | 80-120 |  |  |  |
| Beryllium, total | 0.0985 | 0.0040 | mg/L | 0.100 |  | 98.5 | 80-120 |  |  |  |
| Cadmium, total   | 0.0970 | 0.0008 | mg/L | 0.100 |  | 97.0 | 80-120 |  |  |  |
| Chromium, total  | 0.0954 | 0.0080 | mg/L | 0.100 |  | 95.4 | 80-120 |  |  |  |
| Cobalt, total    | 0.102  | 0.0004 | mg/L | 0.100 |  | 102  | 80-120 |  |  |  |
| Copper, total    | 0.0983 | 0.0040 | mg/L | 0.100 |  | 98.3 | 80-120 |  |  |  |
| Lead, total      | 0.0977 | 0.0040 | mg/L | 0.100 |  | 97.7 | 80-120 |  |  |  |
| Nickel, total    | 0.101  | 0.0040 | mg/L | 0.100 |  | 101  | 80-120 |  |  |  |
| Selenium, total  | 0.1015 | 0.0040 | mg/L | 0.100 |  | 102  | 80-120 |  |  |  |
| Silver, total    | 0.0992 | 0.0040 | mg/L | 0.100 |  | 99.2 | 80-120 |  |  |  |
| Thallium, total  | 0.0962 | 0.0020 | mg/L | 0.100 |  | 96.2 | 80-120 |  |  |  |
| Vanadium, total  | 0.0950 | 0.0200 | mg/L | 0.100 |  | 95.0 | 80-120 |  |  |  |

Matrix Spike (1HL0900-MS1) Source: 1HL0900-01 Prepared: 12/16/24 15:34 Analyzed: 12/18/24 18:49

|                 |       |        |      |       |        |     |        |  |  |  |
|-----------------|-------|--------|------|-------|--------|-----|--------|--|--|--|
| Antimony, total | 0.101 | 0.0020 | mg/L | 0.100 | ND     | 101 | 75-125 |  |  |  |
| Arsenic, total  | 0.105 | 0.0040 | mg/L | 0.100 | 0.0027 | 102 | 75-125 |  |  |  |



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1HL0900

| Determination of Total Metals   | Result | RL                        | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|---|--------|---------------------------|-------|---|---------------|------|-------------|--------|-----------|-------|
| <b>Batch 1HL0900 - EPA 3005A Total Recoverable Metals - EPA 6020A</b> |        |                           |       |   |               |      |             |        |           |       |
| <b>Matrix Spike (1HL0900-MS1)</b>                                     |        | <b>Source: 1HL0900-01</b> |       | Prepared: 12/16/24 15:34 Analyzed: 12/18/24 18:49 |               |      |             |        |           |       |
| Barium, total   | 0.784  | 0.0040                    | mg/L  | 0.100   | 0.683         | 101  | 75-125      |        |           |       |
| Beryllium, total  | 0.0974 | 0.0040                    | mg/L  | 0.100   | ND            | 97.4 | 75-125      |        |           |       |
| Cadmium, total  | 0.0934 | 0.0008                    | mg/L  | 0.100   | ND            | 93.4 | 75-125      |        |           |       |
| Chromium, total   | 0.0917 | 0.0080                    | mg/L  | 0.100   | ND            | 91.7 | 75-125      |        |           |       |
| Cobalt, total   | 0.102  | 0.0004                    | mg/L  | 0.100   | ND            | 102  | 75-125      |        |           |       |
| Copper, total   | 0.0920 | 0.0040                    | mg/L  | 0.100   | ND            | 92.0 | 75-125      |        |           |       |
| Lead, total   | 0.0932 | 0.0040                    | mg/L  | 0.100   | ND            | 93.2 | 75-125      |        |           |       |
| Nickel, total   | 0.125  | 0.0040                    | mg/L  | 0.100   | 0.0235        | 102  | 75-125      |        |           |       |
| Selenium, total   | 0.1036 | 0.0040                    | mg/L  | 0.100   | ND            | 104  | 75-125      |        |           |       |
| Silver, total   | 0.0966 | 0.0040                    | mg/L  | 0.100   | ND            | 96.6 | 75-125      |        |           |       |
| Thallium, total   | 0.0946 | 0.0020                    | mg/L  | 0.100   | ND            | 94.6 | 75-125      |        |           |       |
| Vanadium, total   | 0.0960 | 0.0200                    | mg/L  | 0.100   | ND            | 96.0 | 75-125      |        |           |       |
| Zinc, total   | 0.0913 | 0.0200                    | mg/L  | 0.100   | ND            | 91.3 | 75-125      |        |           |       |
| <b>Matrix Spike Dup (1HL0900-MSD1)</b>                                |        | <b>Source: 1HL0900-01</b> |       | Prepared: 12/16/24 15:34 Analyzed: 12/18/24 18:55 |               |      |             |        |           |       |
| Antimony, total   | 0.101  | 0.0020                    | mg/L  | 0.100   | ND            | 101  | 75-125      | 0.0734 | 20        |       |
| Arsenic, total  | 0.106  | 0.0040                    | mg/L  | 0.100   | 0.0027        | 103  | 75-125      | 1.06   | 20        |       |
| Barium, total   | 0.799  | 0.0040                    | mg/L  | 0.100   | 0.683         | 116  | 75-125      | 1.90   | 20        |       |
| Beryllium, total  | 0.101  | 0.0040                    | mg/L  | 0.100   | ND            | 101  | 75-125      | 3.67   | 20        |       |
| Cadmium, total  | 0.0976 | 0.0008                    | mg/L  | 0.100   | ND            | 97.6 | 75-125      | 4.33   | 20        |       |
| Chromium, total   | 0.0929 | 0.0080                    | mg/L  | 0.100   | ND            | 92.9 | 75-125      | 1.29   | 20        |       |
| Cobalt, total   | 0.101  | 0.0004                    | mg/L  | 0.100   | ND            | 101  | 75-125      | 1.08   | 20        |       |
| Copper, total   | 0.0915 | 0.0040                    | mg/L  | 0.100   | ND            | 91.5 | 75-125      | 0.570  | 20        |       |
| Lead, total   | 0.0956 | 0.0040                    | mg/L  | 0.100   | ND            | 95.6 | 75-125      | 2.55   | 20        |       |
| Nickel, total   | 0.124  | 0.0040                    | mg/L  | 0.100   | 0.0235        | 100  | 75-125      | 1.05   | 20        |       |
| Selenium, total   | 0.1028 | 0.0040                    | mg/L  | 0.100   | ND            | 103  | 75-125      | 0.808  | 20        |       |
| Silver, total   | 0.0987 | 0.0040                    | mg/L  | 0.100   | ND            | 98.7 | 75-125      | 2.22   | 20        |       |
| Thallium, total   | 0.0953 | 0.0020                    | mg/L  | 0.100   | ND            | 95.3 | 75-125      | 0.767  | 20        |       |
| Vanadium, total   | 0.0988 | 0.0200                    | mg/L  | 0.100   | ND            | 98.8 | 75-125      | 2.89   | 20        |       |
| Zinc, total   | 0.0938 | 0.0200                    | mg/L  | 0.100   | ND            | 93.8 | 75-125      | 2.68   | 20        |       |
| <b>Post Spike (1HL0900-PS1)</b>                                       |        | <b>Source: 1HL0900-01</b> |       | Prepared: 12/16/24 15:34 Analyzed: 12/18/24 19:01 |               |      |             |        |           |       |
| Antimony, total   | 0.0812 |                           | mg/L  | 0.0800  | 0.0002        | 101  | 80-120      |        |           |       |
| Arsenic, total  | 0.0851 |                           | mg/L  | 0.0800  | 0.0027        | 103  | 80-120      |        |           |       |
| Barium, total   | 0.797  |                           | mg/L  | 0.0800  | 0.669         | 159  | 80-120      |        |           | M6    |
| Beryllium, total  | 0.0796 |                           | mg/L  | 0.0800  | 0.00002       | 99.5 | 80-120      |        |           |       |
| Cadmium, total  | 0.0778 |                           | mg/L  | 0.0800  | 0.000004      | 97.2 | 80-120      |        |           |       |
| Chromium, total   | 0.0745 |                           | mg/L  | 0.0800  | 0.0004        | 92.7 | 80-120      |        |           |       |
| Cobalt, total   | 0.0831 |                           | mg/L  | 0.0800  | 0.00009       | 104  | 80-120      |        |           |       |
| Copper, total   | 0.0743 |                           | mg/L  | 0.0800  | -0.0002       | 92.9 | 80-120      |        |           |       |
| Lead, total   | 0.0768 |                           | mg/L  | 0.0800  | 0.00002       | 96.0 | 80-120      |        |           |       |
| Nickel, total   | 0.107  |                           | mg/L  | 0.0800  | 0.0231        | 104  | 80-120      |        |           |       |
| Selenium, total   | 0.0793 |                           | mg/L  | 0.0800  | -0.00009      | 99.2 | 80-120      |        |           |       |
| Silver, total   | 0.0798 |                           | mg/L  | 0.0800  | 0.0004        | 99.3 | 80-120      |        |           |       |
| Thallium, total   | 0.0766 |                           | mg/L  | 0.0800  | 0.0001        | 95.6 | 80-120      |        |           |       |



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1HL0900

| Determination of Total Metals   | Result | RL                        | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|---------------------------|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HL0900 - EPA 3005A Total Recoverable Metals - EPA 6020A</b> |        |                           |       |   |               |      |             |     |           |       |
| <b>Post Spike (1HL0900-PS1)</b>                                       |        |                           |       |   |               |      |             |     |           |       |
|   |        | <b>Source: 1HL0900-01</b> |       | Prepared: 12/16/24 15:34 Analyzed: 12/18/24 19:01 |               |      |             |     |           |       |
| Vanadium, total   | 0.0806 |                           | mg/L  | 0.0800  | 0.0022        | 98.0 | 80-120      |     |           |       |
| Zinc, total   | 0.0770 |                           | mg/L  | 0.0800  | 0.0023        | 93.4 | 80-120      |     |           |       |

Definitions

- M6:** Matrix spike recovery is outside of acceptance limits. The analyte concentration is greater than 4X the spiking level.
- RL:** Reporting Limit
- RPD:** Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.0°C

Cooler Inspection Checklist

|                  |     |                        |     |
|------------------|-----|------------------------|-----|
| Custody Seals    | No  | Containers Intact      | Yes |
| COC/Labels Agree | Yes | Preservation Confirmed | No  |
| Received On Ice  | Yes |                        |     |

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  
12/20/24 15:47

# Keystone

LABORATORIES, INC.

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PAGE 1 OF 1

Page 17 of 17

PRINT OR TYPE INFORMATION BELOW

SAMPLER: IG14  
SITE NAME: BOONE CO SLF  
ADDRESS: \_\_\_\_\_  
CITY/ST/ZIP: \_\_\_\_\_  
PHONE: \_\_\_\_\_

REPORT TO:  
NAME: TODD WHIPPLE  
COMPANY NAME: HLW ENGINEERING  
ADDRESS: PO BOX 314  
CITY/ST/ZIP: STORY CITY, IA 50248  
PHONE: 515-733-4144  
FAX: 515-733-4146

BILL TO:  
NAME: JOHN ROOSA  
COMPANY NAME: BOONE CO SLF  
ADDRESS: 1268 - 224TH LANE  
CITY/ST/ZIP: BOONE, IA 50036  
PHONE: \_\_\_\_\_  
Keystone Quote No: \_\_\_\_\_ (If Applicable)

| CLIENT SAMPLE NUMBER | DATE    | TIME  | SAMPLE LOCATION | NO. OF CONTAINERS | MATRIX  | GRAB/COMPOSITE | ANALYSES REQUIRED |           |  |  |  |  |  |  |  |  | LAB USE ONLY              |                          |    |
|----------------------|---------|-------|-----------------|-------------------|---------|----------------|-------------------|-----------|--|--|--|--|--|--|--|--|---------------------------|--------------------------|----|
|                      |         |       |                 |                   |         |                | LANDFILL APPI     | APPI, VOC |  |  |  |  |  |  |  |  | LABORATORY WORK ORDER NO. | LABORATORY SAMPLE NUMBER |    |
| GU-3                 | 12/9/29 | 14:05 |                 | 7                 | WATER G |                | X                 |           |  |  |  |  |  |  |  |  |                           | 114L0900                 | 01 |
| REC-3                | 12/9/29 | 14:10 |                 | 6                 | WATER G |                |                   |           |  |  |  |  |  |  |  |  |                           | 0.01°C                   | 02 |
|                      |         |       |                 |                   |         |                |                   |           |  |  |  |  |  |  |  |  |                           |                          |    |
|                      |         |       |                 |                   |         |                |                   |           |  |  |  |  |  |  |  |  |                           |                          |    |
|                      |         |       |                 |                   |         |                |                   |           |  |  |  |  |  |  |  |  |                           |                          |    |
|                      |         |       |                 |                   |         |                |                   |           |  |  |  |  |  |  |  |  |                           |                          |    |
|                      |         |       |                 |                   |         |                |                   |           |  |  |  |  |  |  |  |  |                           |                          |    |
|                      |         |       |                 |                   |         |                |                   |           |  |  |  |  |  |  |  |  |                           |                          |    |

|  |                         |                                  |                                     |   |
|--|-------------------------|----------------------------------|-------------------------------------|---|
| Relinquished by: (Signature)<br><u>[Signature]</u> | Date<br><u>12/11/24</u> | Received by: (Signature)         | Date                                | Turn-Around:<br><input checked="" type="checkbox"/> Standard<br><input type="checkbox"/> Rush |
|  | Time                    |                                  | Time                                | <input type="checkbox"/> Contact Lab Prior to Submission                                      |
| Relinquished by: (Signature)                       | Date                    | Received for Lab by: (Signature) | Date                                | Remarks:  |
|  | Time                    | <u>[Signature]</u>               | <u>12-11-24</u><br>Time <u>9:50</u> |   |



## Appendix F

### Corrective Action System Data

## APPENDIX F.1 VOC Detection Summary

Table 1

## Historical Volatile Organic Compound Detections

| Constituent                 | Well     | Date       | Identifier | Result | Limit | Units |
|-----------------------------|----------|------------|------------|--------|-------|-------|
| Benzene                     | GU-3     | 9/13/2021  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | GU-3     | 12/03/2021 |            | 6.0    | 1.0   | ug/L  |
| Benzene                     | GU-3     | 3/28/2022  |            | 6.2    | 1.0   | ug/L  |
| Benzene                     | GU-3     | 9/15/2022  |            | 6.1    | 1.0   | ug/L  |
| Benzene                     | GU-3     | 9/30/2024  |            | 6.0    | 1.0   | ug/L  |
| Chlorobenzene               | GU-3     | 3/28/2022  |            | 1.8    | 1.0   | ug/L  |
| Chlorobenzene               | GU-3     | 9/15/2022  |            | 1.7    | 1.0   | ug/L  |
| Chlorobenzene               | GU-3     | 9/30/2024  |            | 1.3    | 1.0   | ug/L  |
| Chloroethane                | GU-3     | 9/13/2021  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane                | GU-3     | 12/03/2021 |            | 2.0    | 1.0   | ug/L  |
| Chloroethane                | GU-3     | 9/15/2022  |            | 1.6    | 1.0   | ug/L  |
| Chloroethane                | GU-3     | 9/30/2024  |            | 1.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene    | GU-3     | 9/13/2021  |            | 1.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene    | GU-3     | 12/03/2021 |            | 10.5   | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene    | GU-3     | 9/15/2022  |            | 11.9   | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene    | GU-3     | 9/30/2024  |            | 4.3    | 1.0   | ug/L  |
| Ethylbenzene                | GU-3     | 9/15/2022  |            | 1.8    | 1.0   | ug/L  |
| Vinyl chloride              | GU-3     | 12/03/2021 |            | 3.6    | 1.0   | ug/L  |
| Vinyl chloride              | GU-3     | 3/28/2022  |            | 3.0    | 1.0   | ug/L  |
| Vinyl chloride              | GU-3     | 9/15/2022  |            | 1.9    | 1.0   | ug/L  |
| Vinyl chloride              | GU-3     | 9/30/2024  |            | 1.2    | 1.0   | ug/L  |
| Benzene                     | GU-4     | 3/28/2022  |            | 1.4    | 1.0   | ug/L  |
| Toluene                     | GU-4     | 9/14/2022  |            | 1.9    | 1.0   | ug/L  |
| Acetone                     | GWD-2    | 3/14/2008  |            | 35.5   | 10.0  | ug/L  |
| Benzene                     | GWD-2    | 3/14/2008  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 7/22/2008  |            | 1.1    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 9/12/2008  |            | 1.2    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 12/18/2008 |            | 1.1    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 3/04/2009  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | GWD-2    | 9/21/2010  |            | 1.6    | 1.0   | ug/L  |
| Bis(2-ethylhexyl) phthalate | GWD-2    | 10/01/2010 |            | 9      | 8     | ug/L  |
| Chloroethane                | GWD-2    | 3/14/2008  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 7/22/2008  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 9/12/2008  |            | 1.3    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 12/18/2008 |            | 1.1    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 3/04/2009  |            | 1.1    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 7/01/2009  |            | 1.0    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 9/27/2009  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 3/24/2010  |            | 4.2    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 6/02/2010  |            | 7.5    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 7/15/2010  |            | 5.9    | 1.0   | ug/L  |
| Chloroethane                | GWD-2    | 9/21/2010  |            | 24.8   | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 3/14/2008  |            | 1.6    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 6/03/2008  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 7/22/2008  |            | 1.4    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 9/12/2008  |            | 1.5    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 12/18/2008 |            | 2.2    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 3/04/2009  |            | 2.1    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 5/05/2009  |            | 1.2    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 7/01/2009  |            | 1.1    | 1.0   | ug/L  |
| Vinyl chloride              | GWD-2    | 9/27/2009  |            | 1.9    | 1.0   | ug/L  |
| Carbon disulfide            | MW02-30A | 6/07/2016  |            | 1.7    | 1.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-37  | 7/23/2008  |            | 96.8   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-37  | 9/12/2008  |            | 93.1   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-37  | 12/11/2008 |            | 83.5   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-38  | 7/23/2008  |            | 83.2   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-38  | 9/12/2008  |            | 93.7   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-38  | 12/11/2008 |            | 85.8   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-39  | 7/23/2008  |            | 78.9   | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-39  | 9/12/2008  |            | 100.0  | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW06-39  | 12/11/2008 |            | 92.0   | 8.0   | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW09-42  | 9/24/2018  |            | 7      | 6     | ug/L  |
| Acetone                     | MW91-8   | 9/19/2017  |            | 12.4   | 10.0  | ug/L  |
| Trans-1,4-dichloro-2-butene | MW91-8   | 3/16/2016  |            | 33     | 5     | ug/L  |
| 1,1,1-trichloroethane       | MW94-18  | 12/23/1994 |            | 2      | 1     | ug/L  |
| 1,1,1-trichloroethane       | MW94-18  | 3/17/1995  |            | 2      | 1     | ug/L  |
| 1,1-dichloroethane          | MW96-23  | 9/27/2013  |            | 1.3    | 1.0   | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW96-23  | 3/07/2012  |            | 10     | 8     | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 9/04/2020  |            | 1.1    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/09/2021  |            | 1.8    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 9/07/2021  |            | 2.3    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/28/2022  |            | 1.5    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/20/2023  |            | 1.7    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 9/12/2023  |            | 1.6    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 3/12/2024  |            | 1.1    | 1.0   | ug/L  |
| 1,1-dichloroethane          | MW98-25  | 9/30/2024  |            | 1.2    | 1.0   | ug/L  |

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

Table 1

## Historical Volatile Organic Compound Detections

| Constituent                 | Well    | Date       | Identifier | Result | Limit | Units |
|-----------------------------|---------|------------|------------|--------|-------|-------|
| 1,4-dichlorobenzene         | MW98-25 | 9/20/2007  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 6/04/2008  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 7/23/2008  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/12/2008  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 12/11/2008 |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/04/2009  |            | 1.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/04/2009  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/20/2009  |            | 1.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/26/2010  |            | 2.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/24/2010  |            | 2.6    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/14/2011  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/07/2012  |            | 1.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/08/2016  |            | 2.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/18/2017  |            | 2.0    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/19/2017  |            | 1.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/24/2018  |            | 2.9    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/04/2020  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/09/2021  |            | 1.1    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/07/2021  |            | 2.0    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/28/2022  |            | 1.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/20/2023  |            | 1.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/12/2023  |            | 2.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 3/12/2024  |            | 1.6    | 1.0   | ug/L  |
| 1,4-dichlorobenzene         | MW98-25 | 9/30/2024  |            | 1.8    | 1.0   | ug/L  |
| 2,4,6-tribromophenol        | MW98-25 | 7/23/2008  |            | 105.0  | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW98-25 | 9/12/2008  |            | 120.0  | 8.0   | ug/L  |
| 2,4,6-tribromophenol        | MW98-25 | 12/11/2008 |            | 97.1   | 8.0   | ug/L  |
| Acetone                     | MW98-25 | 6/04/2008  |            | 12.1   | 10.0  | ug/L  |
| Acetone                     | MW98-25 | 3/30/2011  |            | 54.0   | 10.0  | ug/L  |
| Acetone                     | MW98-25 | 3/07/2012  |            | 14.8   | 10.0  | ug/L  |
| Acetone                     | MW98-25 | 3/08/2018  |            | 46.5   | 10.0  | ug/L  |
| Benzene                     | MW98-25 | 3/09/2004  |            | 4.2    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/14/2004  |            | 3.3    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/30/2006  |            | 2.5    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/15/2006  |            | 2.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/20/2007  |            | 2.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/17/2008  |            | 6.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 6/04/2008  |            | 8.9    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 7/23/2008  |            | 5.5    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/12/2008  |            | 5.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 12/11/2008 |            | 7.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/04/2009  |            | 6.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/04/2009  |            | 6.5    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/20/2009  |            | 6.1    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/26/2010  |            | 6.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/24/2010  |            | 5.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/30/2011  |            | 4.7    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/14/2011  |            | 4.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/07/2012  |            | 5.8    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/27/2013  |            | 1.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/13/2014  |            | 1.0    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/18/2014  |            | 5.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/11/2015  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/08/2016  |            | 1.4    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/08/2018  |            | 1.9    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/09/2021  |            | 1.6    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/07/2021  |            | 2.7    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 3/28/2022  |            | 1.3    | 1.0   | ug/L  |
| Benzene                     | MW98-25 | 9/12/2023  |            | 1.4    | 1.0   | ug/L  |
| Beta-bhc                    | MW98-25 | 9/12/2008  |            | .14    | .05   | ug/L  |
| Beta-bhc                    | MW98-25 | 3/13/2014  |            | .07    | .05   | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW98-25 | 12/11/2008 |            | 13     | 8     | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW98-25 | 9/27/2013  |            | 10     | 10    | ug/L  |
| Bis(2-ethylhexyl) phthalate | MW98-25 | 9/19/2017  |            | 6      | 6     | ug/L  |
| Chlorobenzene               | MW98-25 | 3/17/2008  |            | 1.1    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 6/04/2008  |            | 2.8    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 7/23/2008  |            | 2.2    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/12/2008  |            | 2.4    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 12/11/2008 |            | 2.3    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/04/2009  |            | 1.9    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/04/2009  |            | 1.8    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/26/2010  |            | 1.4    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/24/2010  |            | 2.1    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/14/2011  |            | 1.2    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 3/07/2012  |            | 1.3    | 1.0   | ug/L  |
| Chlorobenzene               | MW98-25 | 9/18/2014  |            | 1.3    | 1.0   | ug/L  |

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

Table 1

## Historical Volatile Organic Compound Detections

| Constituent              | Well    | Date       | Identifier | Result | Limit | Units |
|--------------------------|---------|------------|------------|--------|-------|-------|
| Chlorobenzene            | MW98-25 | 9/07/2021  |            | 1.0    | 1.0   | ug/L  |
| Chlorobenzene            | MW98-25 | 9/12/2023  |            | 1.3    | 1.0   | ug/L  |
| Chlorobenzene            | MW98-25 | 9/30/2024  |            | 1.0    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/17/2008  |            | 4.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 6/04/2008  |            | 2.5    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 7/23/2008  |            | 2.1    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/12/2008  |            | 2.3    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 12/11/2008 |            | 2.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/04/2009  |            | 2.4    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/04/2009  |            | 2.5    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/20/2009  |            | 1.8    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/26/2010  |            | 2.0    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/24/2010  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/30/2011  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/14/2011  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/07/2012  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/12/2012  |            | 1.8    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/27/2013  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/13/2014  |            | 2.0    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/16/2016  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/08/2016  |            | 1.0    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/08/2018  |            | 1.1    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/07/2021  |            | 1.5    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/20/2023  |            | 1.7    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/12/2023  |            | 1.5    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 3/12/2024  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane             | MW98-25 | 9/30/2024  |            | 1.0    | 1.0   | ug/L  |
| Chloromethane            | MW98-25 | 9/30/2024  |            | 1.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/17/2008  |            | 8.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 6/04/2008  |            | 6.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 7/23/2008  |            | 6.2    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/12/2008  |            | 6.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 12/11/2008 |            | 5.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/04/2009  |            | 5.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/04/2009  |            | 5.2    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/20/2009  |            | 5.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/26/2010  |            | 4.6    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/24/2010  |            | 7.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/30/2011  |            | 6.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/14/2011  |            | 6.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/07/2012  |            | 6.7    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/12/2012  |            | 3.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/20/2013  |            | 2.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/27/2013  |            | 4.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/13/2014  |            | 4.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/18/2014  |            | 4.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/17/2015  |            | 5.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/11/2015  |            | 1.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/16/2016  |            | 5.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/08/2016  |            | 2.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/18/2017  |            | 2.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/19/2017  |            | 1.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/08/2018  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/24/2018  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/25/2019  |            | 1.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/04/2020  |            | 2.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/09/2021  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/07/2021  |            | 3.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/28/2022  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/20/2023  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/12/2023  |            | 2.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 3/12/2024  |            | 1.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | MW98-25 | 9/30/2024  |            | 2.0    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 7/23/2008  |            | 6.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/12/2008  |            | 2.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/04/2009  |            | 21.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/27/2009  |            | 16.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/26/2010  |            | 34.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/24/2010  |            | 28.2   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/30/2011  |            | 32.0   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/14/2011  |            | 12.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/07/2012  |            | 34.5   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/12/2012  |            | 4.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/20/2013  |            | 13.0   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/27/2013  |            | 1.3    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/13/2014  |            | 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

Table 1

## Historical Volatile Organic Compound Detections

| Constituent              | Well    | Date       | Identifier | Result | Limit | Units |
|--------------------------|---------|------------|------------|--------|-------|-------|
| Dichlorodifluoromethane  | MW98-25 | 9/18/2014  |            | 24.3   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/11/2015  |            | 14.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/08/2016  |            | 6.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/18/2017  |            | 18.8   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/19/2017  |            | 6.9    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/08/2018  |            | 38.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/24/2018  |            | 1.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/25/2019  |            | 3.8    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/23/2020  |            | 19.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/04/2020  |            | 1.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/09/2021  |            | 8.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/07/2021  |            | 4.8    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/28/2022  |            | 1.7    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 3/20/2023  |            | 3.3    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | MW98-25 | 9/12/2023  |            | 2.1    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 6/04/2008  |            | 2.2    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 12/11/2008 |            | 1.8    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 9/20/2009  |            | 1.2    | 1.0   | ug/L  |
| Ethylbenzene             | MW98-25 | 3/26/2010  |            | 2.6    | 1.0   | ug/L  |
| Toluene                  | MW98-25 | 6/04/2008  |            | 1.2    | 1.0   | ug/L  |
| Toluene                  | MW98-25 | 3/26/2010  |            | 1.2    | 1.0   | ug/L  |
| Toluene                  | MW98-25 | 9/24/2010  |            | 1.3    | 1.0   | ug/L  |
| Trichloroethylene        | MW98-25 | 6/04/2008  |            | 1.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 6/04/2008  |            | 28.7   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/12/2008  |            | 2.4    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/04/2009  |            | 16.0   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/04/2009  |            | 16.4   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/26/2010  |            | 27.0   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/24/2010  |            | 12.1   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/30/2011  |            | 19.3   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/14/2011  |            | 5.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/07/2012  |            | 16.4   | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/12/2012  |            | 1.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/20/2013  |            | 6.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/27/2013  |            | 1.9    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/18/2014  |            | 3.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/08/2016  |            | 4.4    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/18/2017  |            | 4.3    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/19/2017  |            | 1.6    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/08/2018  |            | 2.5    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/23/2020  |            | 6.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/04/2020  |            | 1.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/09/2021  |            | 2.6    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/28/2022  |            | 1.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/20/2023  |            | 1.2    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 9/12/2023  |            | 1.1    | 1.0   | ug/L  |
| Trichlorofluoromethane   | MW98-25 | 3/12/2024  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/17/2008  |            | 2.8    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 6/04/2008  |            | 2.8    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 7/23/2008  |            | 1.9    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 12/11/2008 |            | 2.4    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/04/2009  |            | 2.5    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/04/2009  |            | 2.3    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/26/2010  |            | 1.6    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 9/24/2010  |            | 1.7    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/30/2011  |            | 1.5    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 9/14/2011  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride           | MW98-25 | 3/07/2012  |            | 1.4    | 1.0   | ug/L  |
| Xylenes, total           | MW98-25 | 6/04/2008  |            | 5.5    | 2.0   | ug/L  |
| Xylenes, total           | MW98-25 | 7/23/2008  |            | 2.5    | 2.0   | ug/L  |
| Benzene                  | PEC-3   | 3/28/2022  |            | 1.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | PEC-3   | 3/28/2022  |            | 3.2    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 9/21/2009  |            | 1.1    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/30/2011  |            | 1.0    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/09/2021  |            | 2.6    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/28/2022  |            | 1.4    | 1.0   | ug/L  |
| 1,1-dichloroethane       | Sramp 1 | 3/20/2023  |            | 1.4    | 1.0   | ug/L  |
| 1,1-dichloroethylene     | Sramp 1 | 12/12/2008 |            | 1      | 1     | ug/L  |
| 1,2,4-trichlorobenzene   | Sramp 1 | 9/21/2009  |            | 5.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 7/21/2008  |            | 1.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/12/2008  |            | 1.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 12/12/2008 |            | 1.6    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/04/2009  |            | 1.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/21/2009  |            | 2.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/24/2010  |            | 3.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/30/2011  |            | 3.5    | 1.0   | ug/L  |

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

Table 1

## Historical Volatile Organic Compound Detections

| Constituent              | Well    | Date       | Identifier | Result | Limit | Units |
|--------------------------|---------|------------|------------|--------|-------|-------|
| 1,4-dichlorobenzene      | Sramp 1 | 9/14/2011  |            | 2.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/07/2012  |            | 1.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/20/2013  |            | 4.0    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/26/2013  |            | 3.3    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/17/2015  |            | 2.2    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/11/2015  |            | 6.4    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/16/2016  |            | 3.9    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 9/08/2016  |            | 4.6    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/18/2017  |            | 2.7    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/09/2021  |            | 5.8    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/28/2022  |            | 5.0    | 1.0   | ug/L  |
| 1,4-dichlorobenzene      | Sramp 1 | 3/20/2023  |            | 6.5    | 1.0   | ug/L  |
| Acetone                  | Sramp 1 | 3/30/2011  |            | 40.1   | 10.0  | ug/L  |
| Acetone                  | Sramp 1 | 3/16/2016  |            | 82.1   | 10.0  | ug/L  |
| Acetone                  | Sramp 1 | 3/25/2019  |            | 19.3   | 10.0  | ug/L  |
| Acetone                  | Sramp 1 | 3/28/2022  |            | 23.5   | 10.0  | ug/L  |
| Benzene                  | Sramp 1 | 7/21/2008  |            | 4.7    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/12/2008  |            | 3.6    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/04/2009  |            | 1.3    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/21/2009  |            | 7.6    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/24/2010  |            | 4.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/30/2011  |            | 5.8    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/20/2013  |            | 3.5    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/26/2013  |            | 6.0    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/17/2015  |            | 2.6    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/11/2015  |            | 6.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/16/2016  |            | 5.0    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/08/2016  |            | 2.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/18/2017  |            | 2.0    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/25/2019  |            | 1.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 9/03/2019  |            | 1.2    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/09/2021  |            | 5.7    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/28/2022  |            | 4.8    | 1.0   | ug/L  |
| Benzene                  | Sramp 1 | 3/20/2023  |            | 5.7    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 7/21/2008  |            | 1.6    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/12/2008  |            | 1.8    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/21/2009  |            | 2.8    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/24/2010  |            | 1.5    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/30/2011  |            | 1.5    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/20/2013  |            | 1.1    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/26/2013  |            | 2.1    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/11/2015  |            | 2.4    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/16/2016  |            | 1.9    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 9/08/2016  |            | 1.4    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/18/2017  |            | 1.1    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/25/2019  |            | 1.5    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/09/2021  |            | 1.7    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/28/2022  |            | 1.4    | 1.0   | ug/L  |
| Chlorobenzene            | Sramp 1 | 3/20/2023  |            | 1.7    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 7/21/2008  |            | 1.5    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/12/2008  |            | 1.0    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/04/2009  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/21/2009  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/30/2011  |            | 1.3    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/14/2011  |            | 1.2    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/26/2013  |            | 2.2    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/11/2015  |            | 1.4    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/16/2016  |            | 1.9    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/08/2016  |            | 2.0    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/18/2017  |            | 1.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/25/2019  |            | 2.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 9/03/2019  |            | 2.5    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/09/2021  |            | 2.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/28/2022  |            | 1.6    | 1.0   | ug/L  |
| Chloroethane             | Sramp 1 | 3/20/2023  |            | 2.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 7/21/2008  |            | 3.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/12/2008  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 12/12/2008 |            | 1.7    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/04/2009  |            | 1.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/21/2009  |            | 2.9    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/24/2010  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/30/2011  |            | 3.6    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/14/2011  |            | 2.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/20/2013  |            | 2.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/26/2013  |            | 3.3    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/17/2015  |            | 1.4    | 1.0   | ug/L  |

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

Table 1

## Historical Volatile Organic Compound Detections

| Constituent              | Well    | Date       | Identifier | Result | Limit | Units |
|--------------------------|---------|------------|------------|--------|-------|-------|
| Cis-1,2-dichloroethylene | Sramp 1 | 9/11/2015  |            | 2.7    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/16/2016  |            | 2.5    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/08/2016  |            | 2.8    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/18/2017  |            | 2.1    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/25/2019  |            | 4.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 9/03/2019  |            | 2.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/09/2021  |            | 4.4    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/28/2022  |            | 3.0    | 1.0   | ug/L  |
| Cis-1,2-dichloroethylene | Sramp 1 | 3/20/2023  |            | 3.0    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/21/2009  |            | 20.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/24/2010  |            | 7.6    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/07/2012  |            | 1.1    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/12/2012  |            | 2.2    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/20/2013  |            | 9.5    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/26/2013  |            | 20.3   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/17/2015  |            | 16.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/11/2015  |            | 40.6   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/16/2016  |            | 16.5   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/08/2016  |            | 40.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/18/2017  |            | 34.8   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 9/19/2017  |            | 3.1    | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/25/2019  |            | 38.4   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/09/2021  |            | 50.7   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/28/2022  |            | 12.2   | 1.0   | ug/L  |
| Dichlorodifluoromethane  | Sramp 1 | 3/20/2023  |            | 18.4   | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 7/21/2008  |            | 2.6    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 9/12/2008  |            | 2.0    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 9/21/2009  |            | 7.7    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 9/24/2010  |            | 2.7    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 3/30/2011  |            | 2.3    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 9/14/2011  |            | 1.8    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 9/26/2013  |            | 3.5    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 3/16/2016  |            | 2.1    | 1.0   | ug/L  |
| Ethylbenzene             | Sramp 1 | 3/09/2021  |            | 1.9    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 7/21/2008  |            | 26.0   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/12/2008  |            | 12.7   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 12/12/2008 |            | 17.7   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/04/2009  |            | 26.8   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/21/2009  |            | 14.1   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/24/2010  |            | 3.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/30/2011  |            | 7.3    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/14/2011  |            | 2.8    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/20/2013  |            | 4.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/26/2013  |            | 3.0    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/11/2015  |            | 7.3    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/16/2016  |            | 39.1   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/08/2016  |            | 24.2   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/18/2017  |            | 17.9   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 9/19/2017  |            | 2.1    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/25/2019  |            | 22.5   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/09/2021  |            | 28.0   | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/28/2022  |            | 8.1    | 1.0   | ug/L  |
| Trichlorofluoromethane   | Sramp 1 | 3/20/2023  |            | 9.1    | 1.0   | ug/L  |
| Vinyl chloride           | Sramp 1 | 7/21/2008  |            | 1.1    | 1.0   | ug/L  |
| Vinyl chloride           | Sramp 1 | 9/12/2008  |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride           | Sramp 1 | 12/12/2008 |            | 1.0    | 1.0   | ug/L  |
| Vinyl chloride           | Sramp 1 | 3/04/2009  |            | 1.0    | 1.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 7/21/2008  |            | 3.4    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 9/12/2008  |            | 2.8    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 12/12/2008 |            | 2.3    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 9/21/2009  |            | 5.9    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 9/24/2010  |            | 5.7    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 9/14/2011  |            | 3.2    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 9/26/2013  |            | 3.4    | 2.0   | ug/L  |
| Xylenes, total           | Sramp 1 | 3/16/2016  |            | 2.4    | 2.0   | ug/L  |
| Acetone                  | SRAMP 2 | 3/13/2014  |            | 82.2   | 10.0  | ug/L  |
| Ethylbenzene             | SRAMP 2 | 9/24/2018  |            | 1.5    | 1.0   | ug/L  |
| Xylenes, total           | SRAMP 2 | 9/24/2018  |            | 8.1    | 2.0   | ug/L  |

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



## Appendix G

# Leachate Collection System Performance Evaluation Report

## Leachate Collection System Performance Evaluation

Leachate collected by the leachate collection system is hauled to the Boone Water Pollution Control Facility (WPCF) for treatment and disposal in accordance with the Industrial User Permit with the City of Boone (Appendix G.1). The Hauled Waste Discharge Permit with the Des Moines Metropolitan Wastewater Reclamation Authority (WRA) for treatment and disposal of leachate has expired and will not be renewed until desired. A copy of the expired Hauled Waste Discharge Permit with the WRA is included in Appendix G.1.

### *Leachate Disposal at City of Boone Water Pollution Control Facility*

Between January 1, 2024 and December 31, 2024 approximately 1,253,822 gallons of leachate (Appendix G.2) were transported and discharged to the Boone WPCF for treatment and disposal. Chemical analysis of the leachate as required by the Boone WPCF for 2023 (Appendix G.3) indicates that all of the parameters were within the limits established in the treatment agreements. In addition, approximately 3,486 gallons of surface water impacted by leachate (Appendix G.2) were transported and discharged to the Boone WPCF for treatment and disposal.

### *Leachate Disposal at the Des Moines WRA Facility*

No leachate was transported and discharged at the WRA in 2024.

### *Leachate Recirculation*

A Leachate Recirculation Operation Plan was submitted to IDNR on November 4, 2019 (Doc #96294) and leachate recirculation over Subtitle D composite lined disposal areas was approved in the November 22, 2019 SDP Permit revision. Permission to recirculate leachate was rescinded in the SDP Permit revision dated October 9, 2020 as a result of the Notice of Violation (NOV) from IDNR FO #5 dated July 20, 2020 (Doc #98131) the facility received for “General Surface Water Criteria”. It is anticipated that as operations continue in Phase 8-R a request will be submitted to IDNR to allow leachate recirculation over the Subtitle D composite lined disposal areas (Phases 7-R and 8-R) to resume.

### *Leachate Mixed with Posi-Shell*

In 2024 staff reported that no leachate was mixed with Posi-Shell for use as Alternative Daily Cover.

### *Leachate Elevation Measurements*

2024 Leachate elevation data is summarized in the tables presented in Appendix G.4. Due to a break or an obstruction in the casing, removal of LPZ-10 from the monitoring system was requested in the HLW letter dated July 8, 2024 (Doc #110390). IDNR approved the request in the July 17, 2024 letter (Doc #110500).

Special Provision X.4.i.2 of the SDP Permit requires the submittal of quarterly reports summarizing leachate well head levels and monthly flow rates from Extraction Wells EW-1 and EW-2. The quarterly reports for 2023 were submitted as follows:

|                         |                               |
|-------------------------|-------------------------------|
| 1 <sup>st</sup> quarter | April 1, 2024 (Doc #109704)   |
| 2 <sup>nd</sup> quarter | July 8, 2024 (Doc #110388)    |
| 3 <sup>rd</sup> quarter | October 2, 2024 (Doc #110993) |
| 4 <sup>th</sup> quarter | January 2, 2024 (Doc #111624) |

Leachate elevation measurements in all site LPZ will continue to be monitored monthly in 2024 and will be assessed as part of the LCSPE for 2025.

#### *Closed Landfill LCP*

Available data suggests that the capped portion of the landfill (Area A, B, and C) does not demonstrate substantial surges in leachate head during periods of wet weather. Any variability in the measured leachate surface appears to be related to gas venting in the leachate piezometers rather than additional build-up of perched leachate. As reported in the 2024 Quarterly Leachate Reports, Extraction Well EW-1 and EW-2 were noted as operational during all measurement events in 2024. The 2024 leachate levels in Extraction Wells EW-1 and EW-2 are included in Appendix G.4.

#### *RCRA Subtitle D LCP*

The Leachate Collection System (LCS) in the Phase 1, 2, and 3 Expansion Areas actively conveys leachate out of the closed system that is upgradient from the Phase 1 Expansion. Based on available water/leachate elevation data, it is interpreted that the existing LCS lowers the leachate surface in the southern portion of the closed areas and maintains groundwater quality standards at compliance monitoring points.

The LCS was expanded into Phase 4-R in October, 1999; into Phase 5-R in September, 2001; into Phase 6-R in October, 2003; and into Phase 7-R in March, 2016. Tank #2 was abandoned and replaced with a double walled underground leachate storage tank with a capacity of 15,000 gallons (referred to as Tank 4) during the Phase 7-R Expansion project. Landfilling in Phase 7-R was approved in Permit Amendment #3 dated March 16, 2016 (Doc #85748).

The LCS was expanded into Phase 8-R in November, 2021. The Phase 8-R Expansion project included construction of a Subtitle D composite lined leachate storage lagoon with a capacity of approximately 915,870 gallons. Note that this volume does not include the top two feet of storage in the lagoon (freeboard storage). The leachate storage lagoon will be the primary storage location for leachate collected from Phases 4-R, 5-R, 6-R, 7-R, and 8-R. Tank #4 remains in place as backup storage for leachate collected from these areas. Landfilling in Phase 8-R was approved in the Permit Revision dated November 22, 2021 (Doc #101730).

LPZ-17 was installed in Phase 8-R near the low point in the Phase 8-R disposal area to measure leachate head on the Subtitle D composite liner. LPZ-17 was measured monthly in 2024 - measurements are included on the table in Appendix G.4. As reported in the 2024 Quarterly Leachate Reports, all measurements from LPZ-17 showed leachate thickness on the liner to be less than 12". Based on the leachate head data, the leachate collection system appears to be operating as designed. No changes are recommended.

Separation of the base of solid waste and the groundwater table is evaluated through observation of groundwater elevation measurements collected from a groundwater piezometer located in the Subtitle D compliant lined disposal areas, GPZ-2.

Groundwater head measurements are required semiannually in accordance with the SDP Permit. Groundwater head measurements in 2024 are summarized in the table below:

| Date     | GPZ-2   |
|----------|---------|
| 1/11/24  | 0.28 ft |
| 2/21/24  | 0.28 ft |
| 3/12/24  | 0.60 ft |
| 4/23/24  | 0.55 ft |
| 5/7/24   | 1.65 ft |
| 6/3/24   | 1.70 ft |
| 7/24/24  | 1.75 ft |
| 8/6/24   | 1.09 ft |
| 9/30/24  | 0.30 ft |
| 10/2/24  | 0.40 ft |
| 11/25/24 | 0.55 ft |
| 12/9/24  | 0.53 ft |

Based on the groundwater head data, separation is maintained between the base of solid waste and the groundwater surface. No changes are recommended.

#### *Leachate Line Cleaning*

IAC 567-113.7(5)b(5) requires that the leachate system be cleaned every three (3) years. Leachate lines were cleaned during August/September, 2022. The leachate lines should be cleaned again in 2025 in accordance with regulations.

## APPENDIX G.1- Industrial User Permit



**Daniel Scott**  
*City Engineer*

April 20, 2021

Board of Supervisors  
Boone County Courthouse  
201 State Street  
Boone, Iowa 50036


RE: Modification of Boone County Landfill Industrial User Permit No. 003.

Dear Board Members:

The City of Boone has modified the Boone County Landfill industrial sewer user permit for ease of understanding. The permit is now classified as a Monitoring permit. Monitoring permits have no limits associated with them and are used as verification of concentration of pollutants in the leachate wastewater. Enclosed with this letter is the Boone County Sanitary Landfill Industrial User Permit.

The enclosed Industrial User Permit No. 003 covers the landfill leachate wastewater discharged from the Boone County Landfill into the City of Boone sewer system. All discharges from this facility and actions and reports relating thereto shall be in accordance with the terms and conditions of this permit.

If you wish to appeal or challenge any conditions imposed in this permit, a petition shall be filed for modification or reissuance in accordance with the requirements of the City of Boone Code of Ordinances, Section 96.23 "WASTEWATER DISCHARGE PERMIT APPEALS" within 30 days of your receipt of this correspondence. Pursuant to Ordinance 96.23, failure to petition for reconsideration of this permit within allocated time is deemed a waiver by the permittee of this right to challenge the terms of this permit.

Signed by:   
City Engineer

Issued Date: 4/21/21

Industrial User Monitoring Permit No. 003

In accordance with all terms and conditions of the City of Boone Code of Ordinances, Chapter 96 and also with any applicable provisions of Federal or State law or regulation, permission is hereby granted to:

Boone County Landfill  
1268 224<sup>th</sup> Lane  
Boone, Iowa 50036

For the Contribution of landfill leachate wastewater into the City of Boone sewer system located at 1721 McHose Drive, The City of Boone Water Environment Plant (WEP), wastewater dumping station. This permit granted in conformity with the plans, specifications and other data submitted to the Utilities Superintendent in support of the application filed on 7/1/20, and considered part of this permit.

Effective: January 1, 2021

Expire: December 31, 2025

If the permittee wishes to continue to discharge after the expiration date of this permit, an application must be filed for a renewal permit in accordance with the requirements of the City of Boone Code of Ordinances, Section 96.27 "WASTEWATER DISCHARGE PERMIT REISSUANCE". The application must be received a minimum of 90 days prior to the expiration date of this Permit.

Signed by: \_\_\_\_\_



City Engineer

Issued Date: \_\_\_\_\_

4/21/21

## PART I, OUTFALLS

During the period of January 1, 2021 to December 31, 2025, the permittee has authorization to discharge Landfill Leachate wastewater into the City of Boone sewer system through the City of Boone WEP, wastewater, receiving station, located at 1721 McHose Drive, Boone, Iowa.

The discharger shall deliver the leachate to the wastewater dumping station in a tanker approved by the City Engineer. The tanker shall be equipped with a discharge device capable of controlling the rate of discharge to the sewer system. Delivery of the leachate shall be at the times the WEP normally staffed.

## PART II, DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

From the period beginning on January 1, 2021, and ending on December 31, 2025, of this permit, the permittee shall monitor the Landfill Leachate wastewater for the following parameters at the indicated frequencies. The permittee shall comply with the effluent monitoring requirements as specified in the following TABLE 1 of this permit.

TABLE 1

| Parameters            | Units     | Monitoring   |               |
|-----------------------|-----------|--------------|---------------|
|                       |           | Frequency    | Sample Type   |
| Flow - Batch          | GPD       | Each load    | Tanker volume |
| BOD5                  | lbs./day  | 1/20,000 gal | Grab          |
| NH3-N                 | lbs./day  | 1/20,000 gal | Grab          |
| pH                    | STD Units | 1/20,000 gal | Grab          |
| TSS                   | lbs./day  | 1/20,000 gal | Grab          |
| Arsenic               | mg/l      | 1/6 months   | Grab          |
| Barium                | mg/l      | 1/6 months   | Grab          |
| Benzene               | mg/l      | 1/year       | Grab          |
| Cadmium               | mg/l      | 1/6 months   | Grab          |
| Carbon- tetrachloride | mg/l      | 1/year       | Grab          |
| Chlordane             | mg/l      | 1/year       | Grab          |
| Chloride              | mg/l      | 1/year       | Grab          |
| Chlorobenzene         | mg/l      | 1/year       | Grab          |
| Chloroform            | mg/l      | 1/year       | Grab          |
| Chromium, Total       | mg/l      | 1/6 months   | Grab          |
| Copper                | mg/l      | 1/6 months   | Grab          |
| Cyanide               | mg/l      | 1/6 months   | Grab          |
| o-Cresol              | mg/l      | 1/year       | Grab          |
| m-Cresol              | mg/l      | 1/year       | Grab          |
| p-Cresol              | mg/l      | 1/year       | Grab          |
| Cresol                | mg/l      | 1/year       | Grab          |
| 2,4-D                 | mg/l      | 1/year       | Grab          |
| 1,4-Dichlorobenzene   | mg/l      | 1/year       | Grab          |



| PARAMETERS            | UNITS | MONITORING  |              |
|-----------------------|-------|-------------|--------------|
|                       |       | FREQUENCIES | SAMPLE TYPES |
| 1,2-Dichloroethane    | mg/l  | 1/year      | Grab         |
| 1,1-Dichloroethylene  | mg/l  | 1/year      | Grab         |
| 2,4-Dinitrotoluene    | mg/l  | 1/year      | Grab         |
| Endrin                | mg/l  | 1/year      | Grab         |
| Heptachlor- epoxide   | mg/l  | 1/year      | Grab         |
| Hexa-chlorobenzene    | mg/l  | 1/year      | Grab         |
| Hexachlorobutadiene   | mg/l  | 1/year      | Grab         |
| Hexachloroethane      | mg/l  | 1/year      | Grab         |
| Lead                  | mg/l  | 1/6 months  | Grab         |
| Lindane               | mg/l  | 1/year      | Grab         |
| Mercury               | mg/l  | 1/6 months  | Grab         |
| Methoxychlor          | mg/l  | 1/year      | Grab         |
| Methyl-ethyl ketone   | mg/l  | 1/year      | Grab         |
| Molybdenum            | mg/l  | 1/6 months  | Grab         |
| Nickel                | mg/l  | 1/6 months  | Grab         |
| Nitrobenzene          | mg/l  | 1/year      | Grab         |
| Pentachlorophenol     | mg/l  | 1/year      | Grab         |
| Pyridine              | mg/l  | 1/year      | Grab         |
| Selenium              | mg/l  | 1/6 months  | Grab         |
| Silver                | mg/l  | 1/6 months  | Grab         |
| Tetrachloroethylene   | mg/l  | 1/year      | Grab         |
| Toxaphene             | mg/l  | 1/year      | Grab         |
| Total Phenols         | mg/l  | 1/year      | Grab         |
| Trichloroethylene     | mg/l  | 1/year      | Grab         |
| 2,4,5-Trichlorophenol | mg/l  | 1/year      | Grab         |
| 2,4,6-Trichlorophenol | mg/l  | 1/year      | Grab         |
| 2,4,5-TP (Silvex)     | mg/l  | 1/year      | Grab         |
| Vinyl chloride        | mg/l  | 1/year      | Grab         |
| Zinc                  | mg/l  | 1/6 months  | Grab         |

BOD5 = 5 day Biological Oxygen Demand

mg/l = milligram per liter

NH<sub>3</sub>-N = Ammonia Nitrogen as Nitrogen

GPD = Gallons per day

Grab = grab sample

STD Unit = Standard pH Unit

TSS = Total Suspended Solids

NA = Does not apply

### PART III, SPECIAL CONDITIONS

The Boone County Landfill will be required to have the Landfill Leachate wastewater, analyzed for all of the parameters at their respective monitoring frequencies and at each of the leachate containment tanks (with the exception of BOD, NH<sub>3</sub>-N, pH and TSS) as specified in Table 1 in PART II, DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS. Samples that are to be analyzed one sample per six month are to be

collected between the months January 1 to June 30 for the first six months of the year, and July 1 to December 31 for the second six month of the same year. A signed report, in accordance with the City of Boone Code of Ordinances, Section 96.19 "APPLICATION SIGNITORIES AND CERTIFICATION", that include monitoring results is to be sent to the City of Boone Engineer's office no later than 15 days after analysis report has been received by the landfill administration.

The City of Boone WEP personnel will be responsible for overseeing the monitoring of the flows, and the sampling of the leachate wastewater discharged from the hauling truck. The samples will be analyzed for BOD, NH<sub>3</sub>-N, pH, and TSS. These sample containers will be labeled with a date, time, sample person and leachate tank the truck is discharging. These analyses are used for billing purposes.

The Superintendent may modify a wastewater permit for good cause as describe in City Boone Code of Ordinances, Section 96.24 "WASTEWATER DISCHARGE PERMIT MODIFICATION".

Wastewater discharge permit is non-transferable without prior notification to the City of Boone in accordance with City of Boone Code of Ordinances, Section 96.25 "WASTEWATER DISCHARGE PERMIT TRANSFER".

A user who violates, or continues to violate the wastewater discharge permit, or any other pretreatment standard or requirement shall be liable to the City for a maximum civil penalty of \$1,000 per violation, per day. In the case of a monthly or other long-term average discharge limit, penalties shall occur for each day during the period of the violation. Refer to City of Boone Code of Ordinances, Section 96.52.1A "VIOLATIONS, Civil Penalties".

A user who willfully violates any provision of this chapter, a wastewater permit, or order issued hereunder, or any other pretreatment standard or requirement, shall upon conviction, be guilty of a misdemeanor, and subject to a penalty as prescribed in City of Boone Code of Ordinance, Section 1.14 "STANDARD PENALTIES". The punishment can be a fine of not more than \$500 per violation, per day, or imprisonment for no more than 30 days. Refer to City of Boone Code of Ordinances, Sections 96.52.2A "VIOLATIONS, Criminal Prosecution".

#### **PART IV, STANDARD CONDITIONS**

The standard conditions can be found in the City of Boone Code of Ordinances, Chapter 96.





**DES MOINES METROPOLITAN  
WASTEWATER RECLAMATION AUTHORITY**

**CITY OF DES MOINES, OPERATING CONTRACTOR**

August 26, 2022

John Roosa  
Boone County Sanitary Landfill  
1260 224<sup>th</sup> Lane  
Boone, IA 50036

RE: Hauled Waste Discharge Permit No. B10175

Dear Mr. Roosa:

Enclosed is your Hauled Waste Discharge Permit for the Boone County Landfill facility in Boone, IA. This permit is effective until the expiration date; however, an annual permit fee will be due.

Please keep us informed of future changes or developments that may affect your the volume or characteristics of waste hauled to the WRF. Questions should be directed to Paul Ebert, in Industrial Pretreatment, at 515/323-8133.

Sincerely,

Paul Ebert  
WRF Regulatory Compliance Manager  
WRA Wastewater Reclamation Facility

PE/ajf

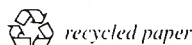
Enc: Hauled Wastewater Discharge Permit

CC: T. Whipple, HLW Engineering (twhipple@hlwengineering.com)  
File

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WORKING TOGETHER FOR CLEAN WATER

Phone 515/323-8000 • Fax 515/323-8050 • [www.dmmwra.org](http://www.dmmwra.org)  
3000 Vandalia Road • Des Moines, Iowa 50317-1346





**DES MOINES METROPOLITAN  
WASTEWATER RECLAMATION AUTHORITY**  
CITY OF DES MOINES, OPERATING CONTRACTOR

**DES MOINES METROPOLITAN WASTEWATER RECLAMATION AUTHORITY  
HAULED WASTE DISCHARGE PERMIT  
PERMIT NO. B10175**

In accordance with the provisions of the Municipal Code of Des Moines, Chapter 118, Article III known as the Industrial Waste Ordinance,

Boone County Sanitary Landfill  
1268 224<sup>th</sup> Lane  
Boone, IA 50036

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: September 1, 2022

EXPIRATION DATE: August 31, 2024

RENEWAL DATE: May 31, 2024

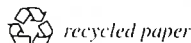
The industrial user must file an application for permit renewal 90 days prior to the expiration date.

\_\_\_\_\_  
Scott Hutchens, P.E., WRA Director  
City of Des Moines  
WRA Wastewater Reclamation Facility

REVISED: June 23, 2022

**WORKING TOGETHER FOR CLEAN WATER**

Phone 515/323-8000 • Fax 515/323-8050 • [www.dmmwra.org](http://www.dmmwra.org)  
3000 Vandalia Road • Des Moines, Iowa 50317-1346



## **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 WRA reserves the right to further restrict the volume of leachate per day in order to meet pollutant loading limits for the WRA 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 150% of the costs incurred by the WRA to handle and treat the wastewater as determined by the WRA Director, as well as 100% of the costs to analyze the wastewater.
2. Charges are billed monthly with NET 30 terms payable to CITY OF DES MOINES 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 headworks (Structure 07) shall be \$0.00929/lb. (subject to annual rate increases, given 30-days' notice).
4. Reevaluation of charges:
  - (a) Charges will be reevaluated on February 1st and annually thereafter at a minimum.
  - (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. IU 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:

| <u>Semi-Annual</u> | <u>Periods Covered</u> |
|--------------------|------------------------|
| 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 via 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 WRA 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 G.2 – Leachate Volume Hauled

Leachate Volumes Hauled to Boone POTW  
Boone County SLF - 2024  
TOTAL

|                                |                   |
|--------------------------------|-------------------|
| <b>TANK 1</b>                  | 30,786 Gallons    |
| <b>TANK 3</b>                  | 35,478 Gallons    |
| <b>LEACHATE STORAGE LAGOON</b> | 1,187,558 Gallons |
| <b>IMPACTED SUFACE WATER</b>   | 3,486 Gallons     |
| <b>TOTAL - 2024</b>            | 1,257,308 Gallons |

## APPENDIX G.3 – Leachate Testing Results



Keystone Laboratories - Newton

CERTIFICATE OF ANALYSIS

1HA1076

Project Description

Boone Landfill-New Regs

For:

Todd Whipple

**HLW Engineering**

PO Box 314

Story City, IA 50248

A handwritten signature in black ink that reads "Heather Murphy".

---

Heather Murphy

Customer Relationship Specialist

Monday, February 5, 2024

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

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

Microbac Laboratories, Inc.

600 East 17th Street South | Newton, IA 50208 | 641-792-8451 p | [www.microbac.com](http://www.microbac.com)



Keystone Laboratories - Newton

CERTIFICATE OF ANALYSIS

1HA1076

**HLW Engineering**

Todd Whipple  
PO Box 314  
Story City, IA 50248

**Project Name: Boone Landfill-New Regs**

Project / PO Number: / 6007  
Received: 01/17/2024  
Reported: 02/05/2024

---

**Sample Summary Report**

| <u>Sample Name</u> | <u>Laboratory ID</u> | <u>Client Matrix</u> | <u>Sample Type</u> | <u>Sample Begin</u> | <u>Sample Taken</u> | <u>Lab Received</u> |
|--------------------|----------------------|----------------------|--------------------|---------------------|---------------------|---------------------|
| Load Out MH        | 1HA1076-01           | Water                | GRAB               |                     | 01/11/24 12:28      | 01/17/24 10:30      |
| TANK 1             | 1HA1076-02           | Water                | GRAB               |                     | 01/11/24 12:41      | 01/17/24 10:30      |
| TANK 3             | 1HA1076-03           | Water                | GRAB               |                     | 01/11/24 13:39      | 01/17/24 10:30      |



Keystone Laboratories - Newton  
CERTIFICATE OF ANALYSIS  
1HA1076

**Analytical Testing Parameters**

|                          |             |                         |                  |
|--------------------------|-------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | Load Out MH | <b>Collected By:</b>    | JGH              |
| <b>Sample Matrix:</b>    | Water       | <b>Collection Date:</b> | 01/11/2024 12:28 |
| <b>Lab Sample ID:</b>    | 1HA1076-01  |                         |                  |

| Determination of Conventional Chemistry Parameters | Result        | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|---------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 9010B</b>                                   |               |        |       |    |      |               |               |         |
| Cyanide, total                                     | <0.005        | 0.005  | mg/L  | 1  |      | 01/23/24 1720 | 01/25/24 1541 | CHP     |
| <b>Determination of Total Metals</b>               |               |        |       |    |      |               |               |         |
| <b>EPA 3005A/EPA 6020A</b>                         |               |        |       |    |      |               |               |         |
| Arsenic, total                                     | <b>0.0185</b> | 0.0040 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0014 | RVV     |
| Barium, total                                      | <b>1.08</b>   | 0.0040 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0014 | RVV     |
| Cadmium, total                                     | <0.0008       | 0.0008 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0014 | RVV     |
| Chromium, total                                    | <b>0.0095</b> | 0.0080 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0014 | RVV     |
| Copper, total                                      | <0.0040       | 0.0040 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0014 | RVV     |

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | TANK 1     | <b>Collected By:</b>    | JGH              |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 01/11/2024 12:41 |
| <b>Lab Sample ID:</b>    | 1HA1076-02 |                         |                  |

| Determination of Conventional Chemistry Parameters | Result       | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 9010B</b>                                   |              |        |       |    |      |               |               |         |
| Cyanide, total                                     | <0.005       | 0.005  | mg/L  | 1  |      | 01/23/24 1720 | 01/25/24 1541 | CHP     |
| <b>Determination of Total Metals</b>               |              |        |       |    |      |               |               |         |
| <b>EPA 3005A/EPA 6020A</b>                         |              |        |       |    |      |               |               |         |
| Arsenic, total                                     | <0.0040      | 0.0040 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0020 | RVV     |
| Barium, total                                      | <b>0.135</b> | 0.0040 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0020 | RVV     |
| Cadmium, total                                     | <0.0008      | 0.0008 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0020 | RVV     |
| Chromium, total                                    | <0.0080      | 0.0080 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0020 | RVV     |
| Copper, total                                      | <0.0040      | 0.0040 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0020 | RVV     |

Keystone Laboratories - Newton

CERTIFICATE OF ANALYSIS

1HA1076

|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | TANK 3     | <b>Collected By:</b>    | JGH              |
| <b>Sample Matrix:</b>    | Water      | <b>Collection Date:</b> | 01/11/2024 13:39 |
| <b>Lab Sample ID:</b>    | 1HA1076-03 |                         |                  |

| Determination of Conventional Chemistry Parameters | Result  | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|---------|--------|-------|----|------|---------------|---------------|---------|
| <b>EPA 9010B</b>                                   |         |        |       |    |      |               |               |         |
| Cyanide, total                                     | 0.006   | 0.005  | mg/L  | 1  |      | 01/23/24 1720 | 01/25/24 1541 | CHP     |
| Determination of Total Metals                      | Result  | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
| <b>EPA 3005A/EPA 6020A</b>                         |         |        |       |    |      |               |               |         |
| Arsenic, total                                     | 0.0064  | 0.0040 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0026 | RVV     |
| Barium, total                                      | 0.644   | 0.0040 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0026 | RVV     |
| Cadmium, total                                     | <0.0008 | 0.0008 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0026 | RVV     |
| Chromium, total                                    | 0.0132  | 0.0080 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0026 | RVV     |
| Copper, total                                      | <0.0040 | 0.0040 | mg/L  | 4  |      | 01/22/24 0910 | 01/23/24 0026 | RVV     |



Keystone Laboratories - Newton

CERTIFICATE OF ANALYSIS

1HA1076

Batch Log Summary

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 6020A | 1HA0951 | 1HA0951-BLK1  |                    |
|           |         | 1HA0951-BS1   |                    |
|           |         | 1HA0951-MS1   | 1HA0649-01         |
|           |         | 1HA0951-MSD1  | 1HA0649-01         |
|           |         | 1HA0951-PS1   | 1HA0649-01         |
|           |         | 1HA1076-01    | Load Out MH        |
|           |         | 1HA1076-02    | TANK 1             |
|           |         | 1HA1076-03    | TANK 3             |

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 9010B | 1HA1081 | 1HA1076-03    | TANK 3             |
|           |         | 1HA1076-02    | TANK 1             |
|           |         | 1HA1081-MSD1  | 1HA1076-01         |
|           |         | 1HA1081-MS1   | 1HA1076-01         |
|           |         | 1HA1076-01    | Load Out MH        |
|           |         | 1HA1081-BS1   |                    |
|           |         | 1HA1081-BLK1  |                    |

Batch Quality Control Summary: Keystone Laboratories - Newton

| Determination of Conventional Chemistry Parameters      | Result | RL    | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|---|--------|-------|-------|---|---------------|------|-------------|------|-----------|-------|
| <b>Batch 1HA1081 - Wet Chem Preparation - EPA 9010B</b> |        |       |       |   |               |      |             |      |           |       |
| <b>Blank (1HA1081-BLK1)</b>                             |        |       |       | Prepared: 01/23/24 17:20 Analyzed: 01/25/24 15:41 |               |      |             |      |           |       |
| Cyanide, total  | <0.005 | 0.005 | mg/L  |   |               |      |             |      |           |       |
| <b>LCS (1HA1081-BS1)</b>                                |        |       |       | Prepared: 01/23/24 17:20 Analyzed: 01/25/24 15:41 |               |      |             |      |           |       |
| Cyanide, total  | 0.0317 | 0.005 | mg/L  | 0.0300  | ND            | 106  | 66-136      |      |           |       |
| <b>Matrix Spike (1HA1081-MS1)</b>                       |        |       |       | Prepared: 01/23/24 17:20 Analyzed: 01/25/24 15:41 |               |      |             |      |           |       |
| Cyanide, total  | 0.0536 | 0.010 | mg/L  | 0.0600  | ND            | 89.3 | 59-153      |      |           |       |
| <b>Matrix Spike Dup (1HA1081-MSD1)</b>                  |        |       |       | Prepared: 01/23/24 17:20 Analyzed: 01/25/24 15:41 |               |      |             |      |           |       |
| Cyanide, total  | 0.0697 | 0.010 | mg/L  | 0.0600  | ND            | 116  | 59-153      | 26.3 | 30        |       |

| Determination of Total Metals   | Result  | RL     | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---------|--------|-------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HA0951 - EPA 3005A Total Recoverable Metals - EPA 6020A</b> |         |        |       |   |               |      |             |     |           |       |
| <b>Blank (1HA0951-BLK1)</b>   |         |        |       | Prepared: 01/22/24 09:10 Analyzed: 01/22/24 23:13 |               |      |             |     |           |       |
| Arsenic, total  | <0.0040 | 0.0040 | mg/L  |   |               |      |             |     |           |       |
| Barium, total   | <0.0040 | 0.0040 | mg/L  |   |               |      |             |     |           |       |
| Cadmium, total  | <0.0008 | 0.0008 | mg/L  |   |               |      |             |     |           |       |
| Chromium, total   | <0.0080 | 0.0080 | mg/L  |   |               |      |             |     |           |       |



Keystone Laboratories - Newton

CERTIFICATE OF ANALYSIS

1HA1076

| Determination of Total Metals   | Result  | RL     | Units   | Spike Level | Source Result                                     | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|---|---------|--------|---|-------------|---|------|-------------|--------|-----------|-------|
| <b>Batch 1HA0951 - EPA 3005A Total Recoverable Metals - EPA 6020A</b> |         |        |   |             |   |      |             |        |           |       |
| <b>Blank (1HA0951-BLK1)</b>   |         |        | Prepared: 01/22/24 09:10 Analyzed: 01/22/24 23:13 |             |   |      |             |        |           |       |
| Copper, total   | <0.0040 | 0.0040 | mg/L  |             |   |      |             |        |           |       |
| <b>LCS (1HA0951-BS1)</b>  |         |        | Prepared: 01/22/24 09:10 Analyzed: 01/22/24 23:19 |             |   |      |             |        |           |       |
| Arsenic, total  | 0.0986  | 0.0040 | mg/L  | 0.100       |   | 98.6 | 80-120      |        |           |       |
| Barium, total   | 0.102   | 0.0040 | mg/L  | 0.100       |   | 102  | 80-120      |        |           |       |
| Cadmium, total  | 0.0970  | 0.0008 | mg/L  | 0.100       |   | 97.0 | 80-120      |        |           |       |
| Chromium, total   | 0.0981  | 0.0080 | mg/L  | 0.100       |   | 98.1 | 80-120      |        |           |       |
| Copper, total   | 0.102   | 0.0040 | mg/L  | 0.100       |   | 102  | 80-120      |        |           |       |
| <b>Matrix Spike (1HA0951-MS1)</b>                                     |         |        | Source: 1HA0649-01                                |             | Prepared: 01/22/24 09:10 Analyzed: 01/22/24 23:31 |      |             |        |           |       |
| Arsenic, total  | 0.101   | 0.0040 | mg/L  | 0.100       | 0.0019  | 98.8 | 75-125      |        |           |       |
| Barium, total   | 0.136   | 0.0040 | mg/L  | 0.100       | 0.0312  | 105  | 75-125      |        |           |       |
| Cadmium, total  | 0.0928  | 0.0008 | mg/L  | 0.100       | 0.0005  | 92.3 | 75-125      |        |           |       |
| Chromium, total   | 0.0928  | 0.0080 | mg/L  | 0.100       | 0.0007  | 92.0 | 75-125      |        |           |       |
| Copper, total   | 0.0925  | 0.0040 | mg/L  | 0.100       | 0.0012  | 91.3 | 75-125      |        |           |       |
| <b>Matrix Spike Dup (1HA0951-MSD1)</b>                                |         |        | Source: 1HA0649-01                                |             | Prepared: 01/22/24 09:10 Analyzed: 01/22/24 23:37 |      |             |        |           |       |
| Arsenic, total  | 0.101   | 0.0040 | mg/L  | 0.100       | 0.0019  | 98.7 | 75-125      | 0.178  | 20        |       |
| Barium, total   | 0.137   | 0.0040 | mg/L  | 0.100       | 0.0312  | 106  | 75-125      | 0.853  | 20        |       |
| Cadmium, total  | 0.0929  | 0.0008 | mg/L  | 0.100       | 0.0005  | 92.4 | 75-125      | 0.0814 | 20        |       |
| Chromium, total   | 0.0923  | 0.0080 | mg/L  | 0.100       | 0.0007  | 91.6 | 75-125      | 0.489  | 20        |       |
| Copper, total   | 0.0909  | 0.0040 | mg/L  | 0.100       | 0.0012  | 89.7 | 75-125      | 1.72   | 20        |       |
| <b>Post Spike (1HA0951-PS1)</b>                                       |         |        | Source: 1HA0649-01                                |             | Prepared: 01/22/24 09:10 Analyzed: 01/22/24 23:56 |      |             |        |           |       |
| Arsenic, total  | 0.0807  |        | mg/L  | 0.0800      | 0.0019  | 98.5 | 80-120      |        |           |       |
| Barium, total   | 0.112   |        | mg/L  | 0.0800      | 0.0306  | 102  | 80-120      |        |           |       |
| Cadmium, total  | 0.0737  |        | mg/L  | 0.0800      | 0.0005  | 91.5 | 80-120      |        |           |       |
| Chromium, total   | 0.0736  |        | mg/L  | 0.0800      | 0.0007  | 91.1 | 80-120      |        |           |       |
| Copper, total   | 0.0737  |        | mg/L  | 0.0800      | 0.0012  | 90.6 | 80-120      |        |           |       |

**Definitions**

RL: Reporting Limit  
 RPD: Relative Percent Difference

**Cooler Receipt Log**

Cooler ID: Default Cooler Temp: 4.9°C

**Cooler Inspection Checklist**

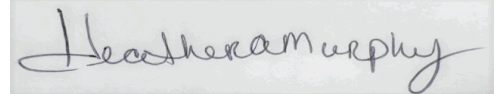
|                  |     |                        |     |
|------------------|-----|------------------------|-----|
| Custody Seals    | No  | Containers Intact      | Yes |
| COC/Labels Agree | Yes | Preservation Confirmed | No  |
| Received On Ice  | Yes |                        |     |

Keystone Laboratories - Newton  
CERTIFICATE OF ANALYSIS  
1HA1076

**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  
02/05/24 15:24

600 E. 17th St. S.  
Newton, IA 50208  
Phone: 641-792-8451  
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3012 Ans  
Waterloo  
Phone: 3  
Fax: 3



HLW Engineering  
PM: Heather Murphy

205 E VanBuren St  
Centerville, IA 52544  
Phone: 641-437-7023  
Fax: 641-437-7040

PRINT OR TYPE INFORMATION BELOW

|   |  |   |
|---|--|---|
| SAMPLER: <u>JGH</u><br>SITE NAME: <u>BOONE CO SLF</u><br>ADDRESS:<br>CITY/ST/ZIP:<br>PHONE: | REPORT TO:<br>NAME: <u>TODD WHIPPLE</u><br>COMPANY NAME: <u>HLW ENG.</u><br>ADDRESS: <u>PO Box 314</u><br>CITY/ST/ZIP: <u>STORY CITY, IA 50248</u><br>PHONE: <u>515-733-4144</u><br>FAX: <u>515-733-4146</u> | BILL TO:<br>NAME: <u>JOHN ROOSA</u><br>COMPANY NAME: <u>BOONE CO SLF</u><br>ADDRESS: <u>1268 224<sup>th</sup> LANE</u><br>CITY/ST/ZIP: <u>BOONE, IA 50036</u><br>PHONE:<br>Keystone Quote No: _____ (If Applicable) |
|---|--|---|

| CLIENT SAMPLE NUMBER | DATE   | TIME  | SAMPLE LOCATION | NO. OF CONTAINERS | MATRIX | GRAB/COMPOSITE | ANALYSES REQUIRED |             |              |               |             |         |                           | LAB USE ONLY             |    |
|----------------------|--------|-------|-----------------|-------------------|--------|----------------|-------------------|-------------|--------------|---------------|-------------|---------|---------------------------|--------------------------|----|
|                      |        |       |                 |                   |        |                | ARSENIC, Tot      | BARIUM, Tot | CADMIUM, Tot | CHROMIUM, Tot | COPPER, Tot | CYANIDE | LABORATORY WORK ORDER NO. | LABORATORY SAMPLE NUMBER |    |
| LOAD OUT MH          | 7/1/24 | 12:28 |                 | 2                 | WATER  | G              | X                 | X           | X            | X             | X           | X       |                           |                          | 01 |
| TANK 1               | 7/1/24 | 12:41 |                 | 2                 | WATER  | G              | X                 | X           | X            | X             | X           | X       |                           |                          | 02 |
| TANK 3               | 7/1/24 | 13:39 |                 | 2                 | WATER  | G              | X                 | X           | X            | X             | X           | X       |                           |                          | 03 |
|                      |        |       |                 |                   |        |                |                   |             |              |               |             |         |                           |                          |    |
|                      |        |       |                 |                   |        |                |                   |             |              |               |             |         |                           |                          |    |
|                      |        |       |                 |                   |        |                |                   |             |              |               |             |         |                           |                          |    |
|                      |        |       |                 |                   |        |                |                   |             |              |               |             |         |                           |                          |    |
|                      |        |       |                 |                   |        |                |                   |             |              |               |             |         |                           |                          |    |

LABORATORY WORK ORDER NO. 1HA1076

SAMPLE TEMPERATURE UPON RECEIPT: 4.9 icev °C

SAMPLE CONDITION/COMMENTS

|   |                    |  |                     |  |
|---|--------------------|--|---------------------|--|
| Relinquished by: (Signature) <u>[Signature]</u> | Date <u>7/1/24</u> | Received by: (Signature)                     | Date                | Turn-Around: <input type="checkbox"/> Standard <input type="checkbox"/> Rush |
|   | Time               |  | Time                | Contact Lab Prior to Submission  |
| Relinquished by: (Signature)                    | Date               | Received for Lab by: (Signature) <u>Mahn</u> | Date <u>7-17-24</u> | Remarks:   |
|   | Time               |  | Time <u>10:30</u>   |  |





Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HG2038

Project Description

Boone CO SLF-Annual Leachate

For:

Todd Whipple

**HLW Engineering**

PO Box 314

Story City, IA 50248

---

Sue Thompson

Client Services Manager

Friday, August 9, 2024

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

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

Microbac Laboratories, Inc.

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1HG2038

HLW Engineering

Project Name: Boone CO SLF-Annual Leachate

Todd Whipple  
PO Box 314  
Story City, IA 50248

Project / PO Number: N/A  
Received: 07/25/2024  
Reported: 08/09/2024

Sample Summary Report

| <u>Sample Name</u> | <u>Laboratory ID</u> | <u>Client Matrix</u> | <u>Sample Type</u> | <u>Sample Begin</u> | <u>Sample Taken</u> | <u>Lab Received</u> |
|--------------------|----------------------|----------------------|--------------------|---------------------|---------------------|---------------------|
| Leachate Tank #1   | 1HG2038-01           | Aqueous              | GRAB               |                     | 07/24/24 13:32      | 07/25/24 10:45      |
| Leachate Tank #3   | 1HG2038-02           | Aqueous              | GRAB               |                     | 07/24/24 13:15      | 07/25/24 10:45      |
| Lagoon             | 1HG2038-03           | Aqueous              | GRAB               |                     | 07/24/24 12:45      | 07/25/24 10:45      |



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1HG2038

Analytical Testing Parameters

|                          |                  |                         |                  |
|--------------------------|------------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | Leachate Tank #1 | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous          | <b>Collection Date:</b> | 07/24/2024 13:32 |
| <b>Lab Sample ID:</b>    | 1HG2038-01       |                         |                  |

| Determination of Volatile Organic Compounds | Result     | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|------------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 624</b>                    |            |               |       |    |      |               |               |         |
| Vinyl Chloride                              | <1.0       | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| 1,1-Dichloroethylene                        | <1.0       | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| 2-Butanone (MEK)                            | <10.0      | 10.0          | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| Chloroform                                  | <1.0       | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| Carbon Tetrachloride                        | <1.0       | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| Benzene                                     | <b>2.5</b> | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| 1,2-Dichloroethane                          | <1.0       | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| Trichloroethylene                           | <1.0       | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| Tetrachloroethylene                         | <1.0       | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| Chlorobenzene                               | <1.0       | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| 1,4-Dichlorobenzene                         | <b>1.9</b> | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| Hexachlorobutadiene                         | <2.0       | 2.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| Surrogate: Dibromofluoromethane             | 93.2       | Limit: 59-123 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 86.5       | Limit: 56-130 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| Surrogate: Toluene-d8                       | 96.6       | Limit: 85-113 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 83.7       | Limit: 82-112 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1258 | CSM     |

| Determination of Base/Neutral/Acid Extractable Compounds | Result     | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|------------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 625</b>   |            |               |       |    |      |               |               |         |
| Pyridine   | <10        | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| 2-Methylphenol (o-Cresol)                                | <10        | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| (3 & 4)-Methylphenol                                     | <b>150</b> | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| Hexachloroethane   | <10        | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| Nitrobenzene   | <10        | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| 2,4,6-Trichlorophenol                                    | <10        | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| 2,4,5-Trichlorophenol                                    | <50        | 50            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| 2,4-Dinitrotoluene                                       | <10        | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| Hexachlorobenzene  | <10        | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| Pentachlorophenol  | <20        | 20            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| Surrogate: 2-Fluorophenol                                | 91.4       | Limit: 16-140 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| Surrogate: Phenol-d6                                     | 115        | Limit: 13-147 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| Surrogate: Nitrobenzene-d5                               | 82.5       | Limit: 17-150 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| Surrogate: 2-Fluorobiphenyl                              | 80.3       | Limit: 15-134 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| Surrogate: 2,4,6-Tribromophenol                          | 73.7       | Limit: 20-158 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |
| Surrogate: Terphenyl-dl4                                 | 83.3       | Limit: 12-157 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2235 | EPP     |

| Determination of Chlorinated Phenoxy Herbicides | Result | RL  | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|-----|-------|----|------|---------------|---------------|---------|
| <b>EPA 615</b>                                  |        |     |       |    |      |               |               |         |
| 2,4-D   | <2.0   | 2.0 | ug/L  | 1  |      | 07/29/24 0911 | 08/06/24 2303 | EPP     |



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|                          |                  |                         |                  |
|--------------------------|------------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | Leachate Tank #1 | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous          | <b>Collection Date:</b> | 07/24/2024 13:32 |
| <b>Lab Sample ID:</b>    | 1HG2038-01       |                         |                  |

| Determination of Chlorinated Phenoxy Herbicides | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|----|-------|----|------|----------|----------|---------|
|---|--------|----|-------|----|------|----------|----------|---------|

|                                     |      |               |       |   |           |               |               |     |
|-------------------------------------|------|---------------|-------|---|-----------|---------------|---------------|-----|
| 2,4,5-TP (Silvex)                   | <0.5 | 0.5           | ug/L  | 1 |           | 07/29/24 0911 | 08/06/24 2303 | EPP |
| Surrogate: 2,5-Dichlorobenzoic Acid | 161  | Limit: 31-116 | % Rec | 1 | <b>S4</b> | 07/29/24 0911 | 08/06/24 2303 | EPP |

| Determination of Organochlorine Insecticides & PCBs | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|----|-------|----|------|----------|----------|---------|
|---|--------|----|-------|----|------|----------|----------|---------|

**EPA 3520C/EPA 608**

|                                 |       |               |       |   |  |               |               |     |
|---------------------------------|-------|---------------|-------|---|--|---------------|---------------|-----|
| Gamma-BHC [Lindane]             | <0.05 | 0.05          | ug/L  | 1 |  | 07/29/24 1500 | 08/09/24 0925 | EPP |
| Heptachlor Epoxide              | <0.05 | 0.05          | ug/L  | 1 |  | 07/29/24 1500 | 08/09/24 0925 | EPP |
| Endrin                          | <0.05 | 0.05          | ug/L  | 1 |  | 07/29/24 1500 | 08/09/24 0925 | EPP |
| Methoxychlor                    | <0.05 | 0.05          | ug/L  | 1 |  | 07/29/24 1500 | 08/09/24 0925 | EPP |
| Chlordane                       | <0.10 | 0.10          | ug/L  | 1 |  | 07/29/24 1500 | 08/09/24 0925 | EPP |
| Toxaphene                       | <0.20 | 0.20          | ug/L  | 1 |  | 07/29/24 1500 | 08/09/24 0925 | EPP |
| Surrogate: Tetrachloro-m-xylene | 81.2  | Limit: 31-116 | % Rec | 1 |  | 07/29/24 1500 | 08/09/24 0925 | EPP |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|----|-------|----|------|----------|----------|---------|
|--|--------|----|-------|----|------|----------|----------|---------|

**4500CN-E**

|                |        |       |      |   |  |               |               |     |
|----------------|--------|-------|------|---|--|---------------|---------------|-----|
| Cyanide, total | <0.005 | 0.005 | mg/L | 1 |  | 07/26/24 1045 | 08/01/24 1328 | BSS |
|----------------|--------|-------|------|---|--|---------------|---------------|-----|

**EPA 420.1**

|                |        |       |      |   |  |               |               |     |
|----------------|--------|-------|------|---|--|---------------|---------------|-----|
| Phenols, total | <0.035 | 0.035 | mg/L | 1 |  | 08/01/24 0902 | 08/02/24 1042 | BSS |
|----------------|--------|-------|------|---|--|---------------|---------------|-----|

**SM 4500 H+ B**

|    |     |     |    |   |           |               |               |     |
|----|-----|-----|----|---|-----------|---------------|---------------|-----|
| pH | 7.1 | 0.5 | pH | 1 | <b>H4</b> | 07/26/24 0821 | 07/26/24 1040 | BSS |
|----|-----|-----|----|---|-----------|---------------|---------------|-----|

**SM 5210 B**

|             |    |   |      |   |           |               |               |     |
|-------------|----|---|------|---|-----------|---------------|---------------|-----|
| BOD (5 day) | 18 | 6 | mg/L | 3 | <b>K2</b> | 07/26/24 0820 | 07/26/24 1136 | MND |
|-------------|----|---|------|---|-----------|---------------|---------------|-----|

**TIMBERLINE**

|                   |      |      |      |    |  |               |               |     |
|-------------------|------|------|------|----|--|---------------|---------------|-----|
| Nitrogen, Ammonia | 49.2 | 1.00 | mg/L | 10 |  | 08/05/24 1445 | 08/06/24 1145 | LNH |
|-------------------|------|------|------|----|--|---------------|---------------|-----|

**USGS I-3765-85**

|                              |     |   |      |   |  |               |               |      |
|------------------------------|-----|---|------|---|--|---------------|---------------|------|
| Total Suspended Solids (TSS) | 131 | 1 | mg/L | 1 |  | 07/29/24 1202 | 07/29/24 1430 | MEAH |
|------------------------------|-----|---|------|---|--|---------------|---------------|------|

| Determination of Inorganic Anions | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|----|-------|----|------|----------|----------|---------|
|-----------------------------------|--------|----|-------|----|------|----------|----------|---------|

**300.0**

|          |     |      |      |    |  |               |               |     |
|----------|-----|------|------|----|--|---------------|---------------|-----|
| Chloride | 312 | 10.0 | mg/L | 10 |  | 08/02/24 0000 | 08/03/24 0544 | MID |
|----------|-----|------|------|----|--|---------------|---------------|-----|

| Determination of Total Metals | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|--------|----|-------|----|------|----------|----------|---------|
|-------------------------------|--------|----|-------|----|------|----------|----------|---------|

**245.1**

|                |          |         |      |   |  |               |               |     |
|----------------|----------|---------|------|---|--|---------------|---------------|-----|
| Mercury, total | <0.00050 | 0.00050 | mg/L | 1 |  | 07/29/24 1517 | 07/31/24 1001 | JAR |
|----------------|----------|---------|------|---|--|---------------|---------------|-----|

**EPA 200.8**

|                 |         |        |      |   |  |               |               |     |
|-----------------|---------|--------|------|---|--|---------------|---------------|-----|
| Arsenic, total  | 0.0043  | 0.0020 | mg/L | 4 |  | 07/25/24 1627 | 07/29/24 2031 | RVV |
| Barium, total   | 0.474   | 0.0020 | mg/L | 4 |  | 07/25/24 1627 | 07/29/24 2031 | RVV |
| Cadmium, total  | <0.0002 | 0.0002 | mg/L | 4 |  | 07/25/24 1627 | 07/29/24 2031 | RVV |
| Chromium, total | 0.0057  | 0.0020 | mg/L | 4 |  | 07/25/24 1627 | 07/29/24 2031 | RVV |
| Copper, total   | 0.0044  | 0.0020 | mg/L | 4 |  | 07/25/24 1627 | 07/29/24 2031 | RVV |
| Lead, total     | 0.0022  | 0.0008 | mg/L | 4 |  | 07/25/24 1627 | 07/29/24 2031 | RVV |

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1HG2038

|                          |                  |                         |                  |
|--------------------------|------------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | Leachate Tank #1 | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous          | <b>Collection Date:</b> | 07/24/2024 13:32 |
| <b>Lab Sample ID:</b>    | 1HG2038-01       |                         |                  |

| Determination of Total Metals | Result  | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------|--------|-------|----|------|---------------|---------------|---------|
| Molybdenum, total             | 0.0032  | 0.0020 | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2031 | RVV     |
| Nickel, total                 | 0.0351  | 0.0040 | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2031 | RVV     |
| Selenium, total               | <0.0040 | 0.0040 | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2031 | RVV     |
| Silver, total                 | <0.0020 | 0.0020 | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2031 | RVV     |
| Zinc, total                   | <0.0200 | 0.0200 | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2031 | RVV     |



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1HG2038

|                          |                  |                         |                  |
|--------------------------|------------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | Leachate Tank #3 | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous          | <b>Collection Date:</b> | 07/24/2024 13:15 |
| <b>Lab Sample ID:</b>    | 1HG2038-02       |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 624</b>                    |        |               |       |    |      |               |               |         |
| Vinyl Chloride                              | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0          | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| Chloroform                                  | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| Benzene                                     | 5.6    | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| Chlorobenzene                               | 4.4    | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| 1,4-Dichlorobenzene                         | 5.1    | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| Hexachlorobutadiene                         | <2.0   | 2.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| Surrogate: Dibromofluoromethane             | 113    | Limit: 59-123 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 111    | Limit: 56-130 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| Surrogate: Toluene-d8                       | 93.8   | Limit: 85-113 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 90.7   | Limit: 82-112 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1726 | CSM     |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 625</b>   |        |               |       |    |      |               |               |         |
| Pyridine   | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| 2-Methylphenol (o-Cresol)                                | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| (3 & 4)-Methylphenol                                     | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| Hexachloroethane   | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| Nitrobenzene   | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| 2,4,6-Trichlorophenol                                    | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| 2,4,5-Trichlorophenol                                    | <50    | 50            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| 2,4-Dinitrotoluene                                       | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| Hexachlorobenzene  | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| Pentachlorophenol  | <20    | 20            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| Surrogate: 2-Fluorophenol                                | 70.0   | Limit: 16-140 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| Surrogate: Phenol-d6                                     | 56.3   | Limit: 13-147 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| Surrogate: Nitrobenzene-d5                               | 103    | Limit: 17-150 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| Surrogate: 2-Fluorobiphenyl                              | 89.9   | Limit: 15-134 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| Surrogate: 2,4,6-Tribromophenol                          | 87.2   | Limit: 20-158 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |
| Surrogate: Terphenyl-dl4                                 | 111    | Limit: 12-157 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2300 | EPP     |

| Determination of Chlorinated Phenoxy Herbicides | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 615</b>                                  |        |               |       |    |      |               |               |         |
| 2,4-D   | <2.0   | 2.0           | ug/L  | 1  |      | 07/29/24 0911 | 08/06/24 2335 | EPP     |
| 2,4,5-TP (Silvex)                               | <0.5   | 0.5           | ug/L  | 1  |      | 07/29/24 0911 | 08/06/24 2335 | EPP     |
| Surrogate: 2,5-Dichlorobenzoic Acid             | 84.9   | Limit: 31-116 | % Rec | 1  |      | 07/29/24 0911 | 08/06/24 2335 | EPP     |



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1HG2038

|                          |                  |                         |                  |
|--------------------------|------------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | Leachate Tank #3 | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous          | <b>Collection Date:</b> | 07/24/2024 13:15 |
| <b>Lab Sample ID:</b>    | 1HG2038-02       |                         |                  |

| Determination of Organochlorine Insecticides & PCBs | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3520C/EPA 608</b>                            |        |               |       |    |      |               |               |         |
| Gamma-BHC [Lindane]                                 | <0.05  | 0.05          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0940 | EPP     |
| Heptachlor Epoxide                                  | <0.05  | 0.05          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0940 | EPP     |
| Endrin  | <0.05  | 0.05          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0940 | EPP     |
| Methoxychlor  | <0.05  | 0.05          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0940 | EPP     |
| Chlordane   | <0.10  | 0.10          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0940 | EPP     |
| Toxaphene   | <0.20  | 0.20          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0940 | EPP     |
| Surrogate: Tetrachloro-m-xylene                     | 86.3   | Limit: 31-116 | % Rec | 1  |      | 07/29/24 1500 | 08/09/24 0940 | EPP     |

| Determination of Conventional Chemistry Parameters | Result | RL    | Units | DF  | Note | Prepared      | Analyzed      | Analyst |
|--|--------|-------|-------|-----|------|---------------|---------------|---------|
| <b>4500CN-E</b>                                    |        |       |       |     |      |               |               |         |
| Cyanide, total                                     | <0.005 | 0.005 | mg/L  | 1   |      | 07/26/24 1045 | 08/01/24 1328 | BSS     |
| <b>EPA 420.1</b>                                   |        |       |       |     |      |               |               |         |
| Phenols, total                                     | <0.035 | 0.035 | mg/L  | 1   |      | 08/01/24 0902 | 08/02/24 1042 | BSS     |
| <b>SM 4500 H+ B</b>                                |        |       |       |     |      |               |               |         |
| pH   | 7.3    | 0.5   | pH    | 1   | H4   | 07/26/24 0821 | 07/26/24 1040 | BSS     |
| <b>SM 5210 B</b>                                   |        |       |       |     |      |               |               |         |
| BOD (5 day)  | 34     | 6     | mg/L  | 3   | K2   | 07/26/24 0820 | 07/26/24 1136 | MND     |
| <b>TIMBERLINE</b>                                  |        |       |       |     |      |               |               |         |
| Nitrogen, Ammonia                                  | 362    | 10.0  | mg/L  | 100 |      | 08/05/24 1445 | 08/06/24 1202 | LNH     |
| <b>USGS I-3765-85</b>                              |        |       |       |     |      |               |               |         |
| Total Suspended Solids (TSS)                       | 56     | 1     | mg/L  | 1   |      | 07/29/24 0853 | 07/29/24 1140 | MEAH    |

| Determination of Inorganic Anions | Result | RL  | Units | DF  | Note | Prepared      | Analyzed      | Analyst |
|-----------------------------------|--------|-----|-------|-----|------|---------------|---------------|---------|
| <b>300.0</b>                      |        |     |       |     |      |               |               |         |
| Chloride                          | 3050   | 100 | mg/L  | 100 |      | 08/05/24 0000 | 08/05/24 1606 | MID     |

| Determination of Total Metals | Result   | RL      | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|----------|---------|-------|----|------|---------------|---------------|---------|
| <b>245.1</b>                  |          |         |       |    |      |               |               |         |
| Mercury, total                | <0.00050 | 0.00050 | mg/L  | 1  |      | 07/29/24 1517 | 07/31/24 1003 | JAR     |
| <b>EPA 200.8</b>              |          |         |       |    |      |               |               |         |
| Arsenic, total                | 0.0059   | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2037 | RVV     |
| Barium, total                 | 0.590    | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2037 | RVV     |
| Cadmium, total                | <0.0002  | 0.0002  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2037 | RVV     |
| Chromium, total               | 0.0139   | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2037 | RVV     |
| Copper, total                 | 0.0027   | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2037 | RVV     |
| Lead, total                   | 0.0028   | 0.0008  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2037 | RVV     |
| Molybdenum, total             | 0.0025   | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2037 | RVV     |
| Nickel, total                 | 0.0593   | 0.0040  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2037 | RVV     |
| Selenium, total               | <0.0040  | 0.0040  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2037 | RVV     |
| Silver, total                 | <0.0020  | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2037 | RVV     |



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|                          |                  |                         |                  |
|--------------------------|------------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | Leachate Tank #3 | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous          | <b>Collection Date:</b> | 07/24/2024 13:15 |
| <b>Lab Sample ID:</b>    | 1HG2038-02       |                         |                  |

| Determination of Total Metals | Result  | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------|--------|-------|----|------|---------------|---------------|---------|
| Zinc, total                   | <0.0200 | 0.0200 | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2037 | RVV     |



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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | Lagoon     | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 07/24/2024 12:45 |
| <b>Lab Sample ID:</b>    | 1HG2038-03 |                         |                  |

| Determination of Volatile Organic Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 5030B/EPA 624</b>                    |        |               |       |    |      |               |               |         |
| Vinyl Chloride                              | 1.2    | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| 1,1-Dichloroethylene                        | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| 2-Butanone (MEK)                            | <10.0  | 10.0          | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| Chloroform                                  | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| Carbon Tetrachloride                        | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| Benzene                                     | 5.0    | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| 1,2-Dichloroethane                          | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| Trichloroethylene                           | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| Tetrachloroethylene                         | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| Chlorobenzene                               | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| 1,4-Dichlorobenzene                         | <1.0   | 1.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| Hexachlorobutadiene                         | <2.0   | 2.0           | ug/L  | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| Surrogate: Dibromofluoromethane             | 103    | Limit: 59-123 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| Surrogate: 1,2-Dichloroethane-d4            | 100    | Limit: 56-130 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| Surrogate: Toluene-d8                       | 95.5   | Limit: 85-113 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |
| Surrogate: 4-Bromofluorobenzene             | 88.6   | Limit: 82-112 | % Rec | 1  |      | 08/05/24 0000 | 08/05/24 1748 | CSM     |

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|--|--------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 625</b>   |        |               |       |    |      |               |               |         |
| Pyridine   | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| 2-Methylphenol (o-Cresol)                                | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| (3 & 4)-Methylphenol                                     | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| Hexachloroethane   | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| Nitrobenzene   | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| 2,4,6-Trichlorophenol                                    | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| 2,4,5-Trichlorophenol                                    | <50    | 50            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| 2,4-Dinitrotoluene                                       | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| Hexachlorobenzene  | <10    | 10            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| Pentachlorophenol  | <20    | 20            | ug/L  | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| Surrogate: 2-Fluorophenol                                | 73.0   | Limit: 16-140 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| Surrogate: Phenol-d6                                     | 88.6   | Limit: 13-147 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| Surrogate: Nitrobenzene-d5                               | 86.6   | Limit: 17-150 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| Surrogate: 2-Fluorobiphenyl                              | 67.8   | Limit: 15-134 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| Surrogate: 2,4,6-Tribromophenol                          | 73.5   | Limit: 20-158 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |
| Surrogate: Terphenyl-dl4                                 | 92.5   | Limit: 12-157 | % Rec | 1  |      | 07/29/24 1411 | 08/05/24 2324 | EPP     |

| Determination of Chlorinated Phenoxy Herbicides | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 615</b>                                  |        |               |       |    |      |               |               |         |
| 2,4-D   | <2.0   | 2.0           | ug/L  | 1  |      | 07/29/24 0911 | 08/07/24 0008 | EPP     |
| 2,4,5-TP (Silvex)                               | <0.5   | 0.5           | ug/L  | 1  |      | 07/29/24 0911 | 08/07/24 0008 | EPP     |
| Surrogate: 2,5-Dichlorobenzoic Acid             | 110    | Limit: 31-116 | % Rec | 1  |      | 07/29/24 0911 | 08/07/24 0008 | EPP     |





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|                          |            |                         |                  |
|--------------------------|------------|-------------------------|------------------|
| <b>Client Sample ID:</b> | Lagoon     | <b>Collected By:</b>    | Whipple, Todd    |
| <b>Sample Matrix:</b>    | Aqueous    | <b>Collection Date:</b> | 07/24/2024 12:45 |
| <b>Lab Sample ID:</b>    | 1HG2038-03 |                         |                  |

| Determination of Organochlorine Insecticides & PCBs | Result | RL            | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|---|--------|---------------|-------|----|------|---------------|---------------|---------|
| <b>EPA 3520C/EPA 608</b>                            |        |               |       |    |      |               |               |         |
| Gamma-BHC [Lindane]                                 | <0.05  | 0.05          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0954 | EPP     |
| Heptachlor Epoxide                                  | <0.05  | 0.05          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0954 | EPP     |
| Endrin  | <0.05  | 0.05          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0954 | EPP     |
| Methoxychlor  | <0.05  | 0.05          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0954 | EPP     |
| Chlordane   | <0.10  | 0.10          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0954 | EPP     |
| Toxaphene   | <0.20  | 0.20          | ug/L  | 1  |      | 07/29/24 1500 | 08/09/24 0954 | EPP     |
| Surrogate: Tetrachloro-m-xylene                     | 112    | Limit: 31-116 | % Rec | 1  |      | 07/29/24 1500 | 08/09/24 0954 | EPP     |

| Determination of Conventional Chemistry Parameters | Result     | RL    | Units | DF  | Note      | Prepared      | Analyzed      | Analyst |
|--|------------|-------|-------|-----|-----------|---------------|---------------|---------|
| <b>4500CN-E</b>                                    |            |       |       |     |           |               |               |         |
| Cyanide, total                                     | <0.005     | 0.005 | mg/L  | 1   |           | 07/26/24 1045 | 08/01/24 1328 | BSS     |
| <b>EPA 420.1</b>                                   |            |       |       |     |           |               |               |         |
| Phenols, total                                     | <0.035     | 0.035 | mg/L  | 1   |           | 08/01/24 0902 | 08/02/24 1042 | BSS     |
| <b>SM 4500 H+ B</b>                                |            |       |       |     |           |               |               |         |
| pH   | <b>6.9</b> | 0.5   | pH    | 1   | <b>H4</b> | 07/26/24 0821 | 07/26/24 1040 | BSS     |
| <b>SM 5210 B</b>                                   |            |       |       |     |           |               |               |         |
| BOD (5 day)  | <b>26</b>  | 6     | mg/L  | 3   | <b>K2</b> | 07/26/24 0820 | 07/26/24 1128 | MND     |
| <b>TIMBERLINE</b>                                  |            |       |       |     |           |               |               |         |
| Nitrogen, Ammonia                                  | <b>174</b> | 10.0  | mg/L  | 100 |           | 08/05/24 1445 | 08/06/24 1042 | LNH     |
| <b>USGS I-3765-85</b>                              |            |       |       |     |           |               |               |         |
| Total Suspended Solids (TSS)                       | <b>43</b>  | 1     | mg/L  | 1   |           | 07/29/24 0853 | 07/29/24 1140 | MEAH    |

| Determination of Inorganic Anions | Result     | RL   | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-----------------------------------|------------|------|-------|----|------|---------------|---------------|---------|
| <b>300.0</b>                      |            |      |       |    |      |               |               |         |
| Chloride                          | <b>526</b> | 10.0 | mg/L  | 10 |      | 08/02/24 0000 | 08/03/24 0629 | MID     |

| Determination of Total Metals | Result        | RL      | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|---------------|---------|-------|----|------|---------------|---------------|---------|
| <b>245.1</b>                  |               |         |       |    |      |               |               |         |
| Mercury, total                | <0.00050      | 0.00050 | mg/L  | 1  |      | 07/29/24 1517 | 07/31/24 1006 | JAR     |
| <b>EPA 200.8</b>              |               |         |       |    |      |               |               |         |
| Arsenic, total                | <b>0.0178</b> | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2043 | RVV     |
| Barium, total                 | <b>1.18</b>   | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2043 | RVV     |
| Cadmium, total                | <0.0002       | 0.0002  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2043 | RVV     |
| Chromium, total               | <b>0.0087</b> | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2043 | RVV     |
| Copper, total                 | <0.0020       | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2043 | RVV     |
| Lead, total                   | <0.0008       | 0.0008  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2043 | RVV     |
| Molybdenum, total             | <b>0.0048</b> | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2043 | RVV     |
| Nickel, total                 | <b>0.0741</b> | 0.0040  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2043 | RVV     |
| Selenium, total               | <0.0040       | 0.0040  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2043 | RVV     |
| Silver, total                 | <0.0020       | 0.0020  | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2043 | RVV     |



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1HG2038

|                                  |  |
|----------------------------------|--|
| <b>Client Sample ID:</b> Lagoon  | <b>Collected By:</b> Whipple, Todd       |
| <b>Sample Matrix:</b> Aqueous    | <b>Collection Date:</b> 07/24/2024 12:45 |
| <b>Lab Sample ID:</b> 1HG2038-03 |  |

| Determination of Total Metals | Result | RL     | Units | DF | Note | Prepared      | Analyzed      | Analyst |
|-------------------------------|--------|--------|-------|----|------|---------------|---------------|---------|
| Zinc, total                   | 0.0551 | 0.0200 | mg/L  | 4  |      | 07/25/24 1627 | 07/29/24 2043 | RVV     |



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1HG2038

Batch Log Summary

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 200.8 | 1HG1407 | 1HG1407-BLK1  |                    |
|           |         | 1HG1407-BS1   |                    |
|           |         | 1HG1407-MS1   | 1HG1956-01         |
|           |         | 1HG1407-MSD1  | 1HG1956-01         |
|           |         | 1HG1407-PS1   | 1HG1956-01         |
|           |         | 1HG2038-01    | Leachate Tank #1   |
|           |         | 1HG2038-02    | Leachate Tank #3   |
|           |         | 1HG2038-03    | Lagoon             |

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| SM 5210 B | 1HG1419 | 1HG1419-BLK1  |                    |
|           |         | 1HG1419-SRM1  |                    |
|           |         | 1HG2038-03    | Lagoon             |
|           |         | 1HG2038-01    | Leachate Tank #1   |
|           |         | 1HG2038-02    | Leachate Tank #3   |
|           |         | 1HG1419-DUP1  | 1HG1952-01         |

| Method       | Batch   | Laboratory ID | Client / Source ID |
|--------------|---------|---------------|--------------------|
| SM 4500 H+ B | 1HG1420 | 1HG2038-01    | Leachate Tank #1   |
|              |         | 1HG1420-DUP1  | 1HG1886-01         |
|              |         | 1HG2038-03    | Lagoon             |
|              |         | 1HG1420-SRM2  |                    |
|              |         | 1HG1420-SRM1  |                    |
|              |         | 1HG2038-02    | Leachate Tank #3   |

| Method   | Batch   | Laboratory ID | Client / Source ID |
|----------|---------|---------------|--------------------|
| 4500CN-E | 1HG1436 | 1HG1436-BLK1  |                    |
|          |         | 1HG1436-BS1   |                    |
|          |         | 1HG1436-MSD1  | 1HG1956-02         |
|          |         | 1HG1436-MS1   | 1HG1956-02         |
|          |         | 1HG2038-02    | Leachate Tank #3   |
|          |         | 1HG2038-01    | Leachate Tank #1   |
|          |         | 1HG2038-03    | Lagoon             |

| Method         | Batch   | Laboratory ID | Client / Source ID |
|----------------|---------|---------------|--------------------|
| USGS I-3765-85 | 1HG1493 | 1HG2038-03    | Lagoon             |
|                |         | 1HG1493-BS1   |                    |
|                |         | 1HG1493-DUP1  | 1HG1982-01         |
|                |         | 1HG1493-BLK1  |                    |
|                |         | 1HG2038-02    | Leachate Tank #3   |



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1HG2038

| Method  | Batch   | Laboratory ID | Client / Source ID |
|---------|---------|---------------|--------------------|
| EPA 615 | 1HG1496 | 1HG1496-BLK1  |                    |
|         |         | 1HG1496-BS1   |                    |
|         |         | 1HG1496-BSD1  |                    |
|         |         | 1HG2038-01    | Leachate Tank #1   |
|         |         | 1HG2038-02    | Leachate Tank #3   |
|         |         | 1HG2038-03    | Lagoon             |

| Method         | Batch   | Laboratory ID | Client / Source ID |
|----------------|---------|---------------|--------------------|
| USGS I-3765-85 | 1HG1516 | 1HG2038-01    | Leachate Tank #1   |
|                |         | 1HG1516-BLK1  |                    |
|                |         | 1HG1516-BS1   |                    |
|                |         | 1HG1516-DUP1  | 1HG2066-01         |

| Method  | Batch   | Laboratory ID | Client / Source ID |
|---------|---------|---------------|--------------------|
| EPA 625 | 1HG1524 | 1HG1524-BLK1  |                    |
|         |         | 1HG1524-BS1   |                    |
|         |         | 1HG1524-BSD1  |                    |
|         |         | 1HG2038-01    | Leachate Tank #1   |
|         |         | 1HG2038-02    | Leachate Tank #3   |
|         |         | 1HG2038-03    | Lagoon             |

| Method  | Batch   | Laboratory ID | Client / Source ID |
|---------|---------|---------------|--------------------|
| EPA 608 | 1HG1529 | 1HG1529-BLK1  |                    |
|         |         | 1HG1529-BS1   |                    |
|         |         | 1HG1529-BSD1  |                    |
|         |         | 1HG2038-01    | Leachate Tank #1   |
|         |         | 1HG2038-02    | Leachate Tank #3   |
|         |         | 1HG2038-03    | Lagoon             |

| Method | Batch   | Laboratory ID | Client / Source ID |
|--------|---------|---------------|--------------------|
| 245.1  | 1HG1535 | 1HG1535-BLK1  |                    |
|        |         | 1HG1535-BS1   |                    |
|        |         | 1HG1535-MS1   | 1HG1720-01         |
|        |         | 1HG1535-MSD1  | 1HG1720-01         |
|        |         | 1HG2038-01    | Leachate Tank #1   |
|        |         | 1HG2038-02    | Leachate Tank #3   |
|        |         | 1HG2038-03    | Lagoon             |

| Method    | Batch   | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 420.1 | 1HH0016 | 1HG2038-02    | Leachate Tank #3   |
|           |         | 1HH0016-MSD1  | 1HG1796-01         |
|           |         | 1HG2038-03    | Lagoon             |
|           |         | 1HH0016-BS1   |                    |



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1HG2038

|           |         |              |                  |
|-----------|---------|--------------|------------------|
| EPA 420.1 | 1HH0016 | 1HG2038-01   | Leachate Tank #1 |
|           |         | 1HH0016-MS1  | 1HG1796-01       |
|           |         | 1HH0016-BLK1 |                  |

| Method | Batch   | Laboratory ID | Client / Source ID |
|--------|---------|---------------|--------------------|
| 300.0  | 1HH0164 | 1HH0164-BLK1  |                    |
|        |         | 1HH0164-MRL1  |                    |
|        |         | 1HH0164-BLK2  |                    |
|        |         | 1HH0164-BS1   |                    |
|        |         | 1HH0164-BSD1  |                    |
|        |         | 1HH0164-MS1   | 1HG1855-01         |
|        |         | 1HH0164-MSD1  | 1HG1855-01         |
|        |         | 1HG2038-01    | Leachate Tank #1   |
|        |         | 1HG2038-03    | Lagoon             |

| Method     | Batch   | Laboratory ID | Client / Source ID |
|------------|---------|---------------|--------------------|
| TIMBERLINE | 1HH0186 | 1HH0186-BLK1  |                    |
|            |         | 1HH0186-BS1   |                    |
|            |         | 1HH0186-MS1   | 1HG2001-01         |
|            |         | 1HH0186-MSD1  | 1HG2001-01         |
|            |         | 1HG2038-03    | Lagoon             |
|            |         | 1HG2038-01    | Leachate Tank #1   |
|            |         | 1HG2038-02    | Leachate Tank #3   |

| Method  | Batch   | Laboratory ID | Client / Source ID |
|---------|---------|---------------|--------------------|
| EPA 624 | 1HH0214 | 1HH0214-BS1   |                    |
|         |         | 1HH0214-BSD1  |                    |
|         |         | 1HH0214-BLK1  |                    |
|         |         | 1HG2038-01    | Leachate Tank #1   |
|         |         | 1HG2038-02    | Leachate Tank #3   |
|         |         | 1HG2038-03    | Lagoon             |
|         |         | 1HH0214-MS1   | 1HG2007-02         |
|         |         | 1HH0214-MSD1  | 1HG2007-02         |

| Method | Batch   | Laboratory ID | Client / Source ID |
|--------|---------|---------------|--------------------|
| 300.0  | 1HH0239 | 1HH0239-BLK1  |                    |
|        |         | 1HH0239-MRL1  |                    |
|        |         | 1HH0239-BS1   |                    |
|        |         | 1HH0239-BSD1  |                    |
|        |         | 1HH0239-MS1   | 1HH0216-02         |
|        |         | 1HH0239-MSD1  | 1HH0216-02         |
|        |         | 1HG2038-02    | Leachate Tank #3   |
|        |         | 1HH0239-BLK2  |                    |
|        |         | 1HH0239-BLK3  |                    |





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1HG2038

| Determination of Volatile Organic Compounds | Result | RL   | Units | Spike Level  | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|---|--------|------|-------|--|---------------|------|-------------|--------|-----------|-------|
| <b>Batch 1HH0214 - EPA 5030B - EPA 624</b>  |        |      |       |  |               |      |             |        |           |       |
| <b>LCS Dup (1HH0214-BSD1)</b>               |        |      |       | Prepared: 08/05/24 00:00 Analyzed: 08/05/24 11:26                    |               |      |             |        |           |       |
| Vinyl Chloride                              | 25.13  | 1.0  | ug/L  | 30.2   |               | 83.1 | 5-195       | 3.67   | 26        |       |
| 1,1-Dichloroethylene                        | 46.42  | 1.0  | ug/L  | 50.0   |               | 92.8 | 50-150      | 4.79   | 19        |       |
| 2-Butanone (MEK)                            | 85.21  | 10.0 | ug/L  | 102  |               | 83.7 | 44-134      | 1.46   | 30        |       |
| Chloroform                                  | 48.85  | 1.0  | ug/L  | 50.0   |               | 97.7 | 70-135      | 2.85   | 17        |       |
| Carbon Tetrachloride                        | 50.40  | 1.0  | ug/L  | 50.0   |               | 101  | 70-130      | 4.33   | 19        |       |
| Benzene                                     | 49.56  | 1.0  | ug/L  | 50.0   |               | 99.1 | 65-135      | 4.17   | 17        |       |
| 1,2-Dichloroethane                          | 54.58  | 1.0  | ug/L  | 50.0   |               | 109  | 70-130      | 1.15   | 15        |       |
| Trichloroethylene                           | 49.17  | 1.0  | ug/L  | 50.0   |               | 98.3 | 65-135      | 5.81   | 18        |       |
| Tetrachloroethylene                         | 54.53  | 1.0  | ug/L  | 50.0   |               | 109  | 70-130      | 2.64   | 16        |       |
| Chlorobenzene                               | 53.56  | 1.0  | ug/L  | 50.0   |               | 107  | 65-135      | 1.35   | 18        |       |
| 1,4-Dichlorobenzene                         | 52.33  | 1.0  | ug/L  | 50.0   |               | 105  | 65-135      | 1.27   | 15        |       |
| Hexachlorobutadiene                         | 66.07  | 2.0  | ug/L  | 50.0   |               | 132  | 79-155      | 2.08   | 30        |       |
| <i>Surrogate: Dibromofluoromethane</i>      | 56.7   |      | ug/L  | 50.2   |               | 113  | 59-123      |        |           |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>     | 59.4   |      | ug/L  | 50.4   |               | 118  | 56-130      |        |           |       |
| <i>Surrogate: Toluene-d8</i>                | 46.1   |      | ug/L  | 50.5   |               | 91.3 | 85-113      |        |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>      | 49.3   |      | ug/L  | 50.2   |               | 98.3 | 82-112      |        |           |       |
| <b>Matrix Spike (1HH0214-MS1)</b>           |        |      |       | Source: 1HG2007-02 Prepared: 08/05/24 00:00 Analyzed: 08/05/24 18:56 |               |      |             |        |           |       |
| Vinyl Chloride                              | 267.9  | 10.0 | ug/L  | 302  |               | 88.6 | 5-251       |        |           |       |
| 1,1-Dichloroethylene                        | 515.1  | 10.0 | ug/L  | 500  |               | 103  | 5-235       |        |           |       |
| 2-Butanone (MEK)                            | 927.6  | 100  | ug/L  | 1020   |               | 91.1 | 57-133      |        |           |       |
| Chloroform                                  | 521.3  | 10.0 | ug/L  | 500  |               | 104  | 51-138      |        |           |       |
| Carbon Tetrachloride                        | 560.8  | 10.0 | ug/L  | 500  |               | 112  | 70-140      |        |           |       |
| Benzene                                     | 507.7  | 10.0 | ug/L  | 500  |               | 102  | 37-151      |        |           |       |
| 1,2-Dichloroethane                          | 544.6  | 10.0 | ug/L  | 500  |               | 109  | 59-155      |        |           |       |
| Trichloroethylene                           | 514.6  | 10.0 | ug/L  | 500  |               | 103  | 70-157      |        |           |       |
| Tetrachloroethylene                         | 562.3  | 10.0 | ug/L  | 500  |               | 112  | 64-148      |        |           |       |
| Chlorobenzene                               | 518.3  | 10.0 | ug/L  | 500  |               | 104  | 37-160      |        |           |       |
| 1,4-Dichlorobenzene                         | 481.4  | 10.0 | ug/L  | 500  |               | 96.3 | 18-190      |        |           |       |
| Hexachlorobutadiene                         | 520.8  | 20.0 | ug/L  | 500  |               | 104  | 70-130      |        |           |       |
| <i>Surrogate: Dibromofluoromethane</i>      | 625    |      | ug/L  | 502  |               | 125  | 59-123      |        |           | M1    |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>     | 639    |      | ug/L  | 504  |               | 127  | 56-130      |        |           |       |
| <i>Surrogate: Toluene-d8</i>                | 468    |      | ug/L  | 505  |               | 92.7 | 85-113      |        |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>      | 491    |      | ug/L  | 502  |               | 97.8 | 82-112      |        |           |       |
| <b>Matrix Spike Dup (1HH0214-MSD1)</b>      |        |      |       | Source: 1HG2007-02 Prepared: 08/05/24 00:00 Analyzed: 08/05/24 19:19 |               |      |             |        |           |       |
| Vinyl Chloride                              | 273.7  | 10.0 | ug/L  | 302  |               | 90.6 | 5-251       | 2.14   | 66        |       |
| 1,1-Dichloroethylene                        | 513.4  | 10.0 | ug/L  | 500  |               | 103  | 5-235       | 0.331  | 32        |       |
| 2-Butanone (MEK)                            | 966.0  | 100  | ug/L  | 1020   |               | 94.9 | 57-133      | 4.06   | 30        |       |
| Chloroform                                  | 523.3  | 10.0 | ug/L  | 500  |               | 105  | 51-138      | 0.383  | 54        |       |
| Carbon Tetrachloride                        | 568.0  | 10.0 | ug/L  | 500  |               | 114  | 70-140      | 1.28   | 41        |       |
| Benzene                                     | 513.0  | 10.0 | ug/L  | 500  |               | 103  | 37-151      | 1.04   | 61        |       |
| 1,2-Dichloroethane                          | 544.9  | 10.0 | ug/L  | 500  |               | 109  | 59-155      | 0.0551 | 49        |       |
| Trichloroethylene                           | 510.0  | 10.0 | ug/L  | 500  |               | 102  | 70-157      | 0.898  | 48        |       |

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1HG2038

| Determination of Volatile Organic Compounds | Result                    | RL   | Units | Spike Level                                       | Source Result | %REC   | %REC Limits | RPD | RPD Limit | Notes |
|---|---------------------------|------|-------|---|---------------|--------|-------------|-----|-----------|-------|
| <b>Batch 1HH0214 - EPA 5030B - EPA 624</b>  |                           |      |       |   |               |        |             |     |           |       |
| <b>Matrix Spike Dup (1HH0214-MSD1)</b>      | <b>Source: 1HG2007-02</b> |      |       | Prepared: 08/05/24 00:00 Analyzed: 08/05/24 19:19 |               |        |             |     |           |       |
| Tetrachloroethylene                         | 570.7                     | 10.0 | ug/L  | 500   | 114           | 64-148 | 1.48        | 39  |           |       |
| Chlorobenzene                               | 531.8                     | 10.0 | ug/L  | 500   | 106           | 37-160 | 2.57        | 53  |           |       |
| 1,4-Dichlorobenzene                         | 528.2                     | 10.0 | ug/L  | 500   | 106           | 18-190 | 9.27        | 57  |           |       |
| Hexachlorobutadiene                         | 580.4                     | 20.0 | ug/L  | 500   | 116           | 70-130 | 10.8        | 20  |           |       |

|                                  |     |  |      |     |      |        |  |  |  |  |
|----------------------------------|-----|--|------|-----|------|--------|--|--|--|--|
| Surrogate: Dibromofluoromethane  | 609 |  | ug/L | 502 | 121  | 59-123 |  |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 620 |  | ug/L | 504 | 123  | 56-130 |  |  |  |  |
| Surrogate: Toluene-d8            | 469 |  | ug/L | 505 | 93.0 | 85-113 |  |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 477 |  | ug/L | 502 | 95.1 | 82-112 |  |  |  |  |

| Determination of Base/Neutral/Acid Extractable Compounds | Result  | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|---|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HG1524 - EPA 625 Acid - EPA 625</b>            |   |    |       |             |               |      |             |     |           |       |
| <b>Blank (1HG1524-BLK1)</b>                              | Prepared: 07/29/24 14:11 Analyzed: 08/05/24 19:18 |    |       |             |               |      |             |     |           |       |

|                                 |      |    |      |      |      |        |  |  |  |  |
|---------------------------------|------|----|------|------|------|--------|--|--|--|--|
| Pyridine                        | <10  | 10 | ug/L |      |      |        |  |  |  |  |
| 2-Methylphenol (o-Cresol)       | <10  | 10 | ug/L |      |      |        |  |  |  |  |
| (3 & 4)-Methylphenol            | <10  | 10 | ug/L |      |      |        |  |  |  |  |
| Hexachloroethane                | <10  | 10 | ug/L |      |      |        |  |  |  |  |
| Nitrobenzene                    | <10  | 10 | ug/L |      |      |        |  |  |  |  |
| 2,4,6-Trichlorophenol           | <10  | 10 | ug/L |      |      |        |  |  |  |  |
| 2,4,5-Trichlorophenol           | <50  | 50 | ug/L |      |      |        |  |  |  |  |
| 2,4-Dinitrotoluene              | <10  | 10 | ug/L |      |      |        |  |  |  |  |
| Hexachlorobenzene               | <10  | 10 | ug/L |      |      |        |  |  |  |  |
| Pentachlorophenol               | <20  | 20 | ug/L |      |      |        |  |  |  |  |
| Surrogate: 2-Fluorophenol       | 28.4 |    | ug/L | 30.9 | 91.6 | 16-140 |  |  |  |  |
| Surrogate: Phenol-d6            | 29.4 |    | ug/L | 29.4 | 99.9 | 13-147 |  |  |  |  |
| Surrogate: Nitrobenzene-d5      | 31.0 |    | ug/L | 30.8 | 101  | 17-150 |  |  |  |  |
| Surrogate: 2-Fluorobiphenyl     | 25.6 |    | ug/L | 29.3 | 87.3 | 15-134 |  |  |  |  |
| Surrogate: 2,4,6-Tribromophenol | 30.0 |    | ug/L | 30.1 | 99.7 | 20-158 |  |  |  |  |
| Surrogate: Terphenyl-d14        | 34.3 |    | ug/L | 30.9 | 111  | 12-157 |  |  |  |  |

|                           |   |    |      |      |      |        |  |  |  |  |
|---------------------------|---|----|------|------|------|--------|--|--|--|--|
| <b>LCS (1HG1524-BS1)</b>  | Prepared: 07/29/24 14:11 Analyzed: 08/05/24 19:42 |    |      |      |      |        |  |  |  |  |
| Pyridine                  | <10   | 10 | ug/L | 24.0 | 38.0 | 13-127 |  |  |  |  |
| 2-Methylphenol (o-Cresol) | 17.3  | 10 | ug/L | 24.0 | 71.9 | 35-117 |  |  |  |  |
| (3 & 4)-Methylphenol      | 17.6  | 10 | ug/L | 24.0 | 73.1 | 37-114 |  |  |  |  |
| Hexachloroethane          | 12.5  | 10 | ug/L | 24.0 | 51.9 | 13-95  |  |  |  |  |
| Nitrobenzene              | 18.3  | 10 | ug/L | 24.0 | 76.0 | 47-121 |  |  |  |  |
| 2,4,6-Trichlorophenol     | 19.1  | 10 | ug/L | 24.0 | 79.4 | 45-125 |  |  |  |  |
| 2,4,5-Trichlorophenol     | <50   | 50 | ug/L | 24.0 | 84.8 | 50-121 |  |  |  |  |
| 2,4-Dinitrotoluene        | 17.6  | 10 | ug/L | 24.0 | 73.1 | 59-125 |  |  |  |  |
| Hexachlorobenzene         | 17.0  | 10 | ug/L | 24.0 | 70.6 | 47-122 |  |  |  |  |
| Pentachlorophenol         | 21.5  | 20 | ug/L | 24.0 | 89.5 | 30-139 |  |  |  |  |





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1HG2038

| Determination of Base/Neutral/Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HG1524 - EPA 625 Acid - EPA 625

| LCS (1HG1524-BS1)                                 |      |  |      |      |  |      |        |  |  |  |
|---|------|--|------|------|--|------|--------|--|--|--|
| Prepared: 07/29/24 14:11 Analyzed: 08/05/24 19:42 |      |  |      |      |  |      |        |  |  |  |
| Surrogate: 2-Fluorophenol                         | 24.6 |  | ug/L | 30.9 |  | 79.6 | 16-140 |  |  |  |
| Surrogate: Phenol-d6                              | 23.8 |  | ug/L | 29.4 |  | 80.8 | 13-147 |  |  |  |
| Surrogate: Nitrobenzene-d5                        | 26.1 |  | ug/L | 30.8 |  | 84.6 | 17-150 |  |  |  |
| Surrogate: 2-Fluorobiphenyl                       | 25.0 |  | ug/L | 29.3 |  | 85.5 | 15-134 |  |  |  |
| Surrogate: 2,4,6-Tribromophenol                   | 27.5 |  | ug/L | 30.1 |  | 91.5 | 20-158 |  |  |  |
| Surrogate: Terphenyl-dl4                          | 29.2 |  | ug/L | 30.9 |  | 94.4 | 12-157 |  |  |  |

| LCS Dup (1HG1524-BSD1)                            |      |    |      |      |  |      |        |      |    |  |
|---|------|----|------|------|--|------|--------|------|----|--|
| Prepared: 07/29/24 14:11 Analyzed: 08/05/24 20:07 |      |    |      |      |  |      |        |      |    |  |
| Pyridine  | <10  | 10 | ug/L | 24.0 |  | 40.2 | 13-127 | 5.53 | 30 |  |
| 2-Methylphenol (o-Cresol)                         | 18.7 | 10 | ug/L | 24.0 |  | 77.9 | 35-117 | 8.00 | 30 |  |
| (3 & 4)-Methylphenol                              | 19.6 | 10 | ug/L | 24.0 |  | 81.7 | 37-114 | 11.2 | 28 |  |
| Hexachloroethane                                  | 12.2 | 10 | ug/L | 24.0 |  | 50.6 | 13-95  | 2.44 | 30 |  |
| Nitrobenzene                                      | 18.8 | 10 | ug/L | 24.0 |  | 78.2 | 47-121 | 2.86 | 30 |  |
| 2,4,6-Trichlorophenol                             | 20.3 | 10 | ug/L | 24.0 |  | 84.3 | 45-125 | 6.00 | 30 |  |
| 2,4,5-Trichlorophenol                             | <50  | 50 | ug/L | 24.0 |  | 88.3 | 50-121 | 4.09 | 25 |  |
| 2,4-Dinitrotoluene                                | 18.2 | 10 | ug/L | 24.0 |  | 75.7 | 59-125 | 3.41 | 30 |  |
| Hexachlorobenzene                                 | 17.2 | 10 | ug/L | 24.0 |  | 71.6 | 47-122 | 1.46 | 30 |  |
| Pentachlorophenol                                 | 22.6 | 20 | ug/L | 24.0 |  | 94.1 | 30-139 | 4.98 | 30 |  |

|                                 |      |  |      |      |  |      |        |  |  |  |
|---------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: 2-Fluorophenol       | 26.8 |  | ug/L | 30.9 |  | 86.6 | 16-140 |  |  |  |
| Surrogate: Phenol-d6            | 25.0 |  | ug/L | 29.4 |  | 85.1 | 13-147 |  |  |  |
| Surrogate: Nitrobenzene-d5      | 27.2 |  | ug/L | 30.8 |  | 88.3 | 17-150 |  |  |  |
| Surrogate: 2-Fluorobiphenyl     | 25.4 |  | ug/L | 29.3 |  | 86.9 | 15-134 |  |  |  |
| Surrogate: 2,4,6-Tribromophenol | 27.9 |  | ug/L | 30.1 |  | 92.7 | 20-158 |  |  |  |
| Surrogate: Terphenyl-dl4        | 30.8 |  | ug/L | 30.9 |  | 99.7 | 12-157 |  |  |  |

| Determination of Chlorinated Phenoxy Herbicides | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1HG1496 - EPA 615 Phenoxy - EPA 615

| Blank (1HG1496-BLK1)                              |      |     |      |  |  |  |  |  |  |  |
|---|------|-----|------|--|--|--|--|--|--|--|
| Prepared: 07/29/24 09:11 Analyzed: 08/06/24 21:25 |      |     |      |  |  |  |  |  |  |  |
| 2,4-D   | <2.0 | 2.0 | ug/L |  |  |  |  |  |  |  |
| 2,4,5-TP (Silvex)                                 | <0.5 | 0.5 | ug/L |  |  |  |  |  |  |  |

|                                     |      |  |      |      |  |      |        |  |  |  |
|-------------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: 2,5-Dichlorobenzoic Acid | 1.70 |  | ug/L | 2.02 |  | 83.9 | 31-116 |  |  |  |
|-------------------------------------|------|--|------|------|--|------|--------|--|--|--|

| LCS (1HG1496-BS1)                                 |      |     |      |       |  |     |        |  |  |  |
|---|------|-----|------|-------|--|-----|--------|--|--|--|
| Prepared: 07/29/24 09:11 Analyzed: 08/06/24 21:57 |      |     |      |       |  |     |        |  |  |  |
| 2,4-D   | <2.0 | 2.0 | ug/L | 1.15  |  | 107 | 16-161 |  |  |  |
| 2,4,5-TP (Silvex)                                 | 0.74 | 0.5 | ug/L | 0.575 |  | 128 | 35-141 |  |  |  |

|                                     |      |  |      |      |  |      |        |  |  |  |
|-------------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: 2,5-Dichlorobenzoic Acid | 1.88 |  | ug/L | 2.02 |  | 93.1 | 31-116 |  |  |  |
|-------------------------------------|------|--|------|------|--|------|--------|--|--|--|

| LCS Dup (1HG1496-BSD1)                            |      |     |      |       |  |      |        |      |    |  |
|---|------|-----|------|-------|--|------|--------|------|----|--|
| Prepared: 07/29/24 09:11 Analyzed: 08/06/24 22:30 |      |     |      |       |  |      |        |      |    |  |
| 2,4-D   | <2.0 | 2.0 | ug/L | 1.15  |  | 83.9 | 16-161 | 24.5 | 30 |  |
| 2,4,5-TP (Silvex)                                 | 0.58 | 0.5 | ug/L | 0.575 |  | 100  | 35-141 | 24.4 | 30 |  |



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1HG2038

| Determination of Chlorinated Phenoxy Herbicides  | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 1HG1496 - EPA 615 Phenoxy - EPA 615</b> |        |    |       |             |               |      |             |     |           |       |

LCS Dup (1HG1496-BSD1) Prepared: 07/29/24 09:11 Analyzed: 08/06/24 22:30

Surrogate: 2,5-Dichlorobenzoic Acid 1.64 ug/L 2.02 81.4 31-116

| Determination of Organochlorine Insecticides & PCBs | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 1HG1529 - 3520C NP/OC Cont Liq - EPA 608**

Blank (1HG1529-BLK1) Prepared: 07/29/24 15:00 Analyzed: 08/09/24 08:41

Gamma-BHC [Lindane] <0.05 0.05 ug/L  
 Heptachlor Epoxide <0.05 0.05 ug/L  
 Endrin <0.05 0.05 ug/L  
 Methoxychlor <0.05 0.05 ug/L  
 Chlordane <0.10 0.10 ug/L  
 Toxaphene <0.20 0.20 ug/L

Surrogate: Tetrachloro-m-xylene 0.473 ug/L 0.600 78.8 31-116

LCS (1HG1529-BS1) Prepared: 07/29/24 15:00 Analyzed: 08/09/24 08:56

Gamma-BHC [Lindane] 0.205 0.05 ug/L 0.250 81.8 44-124  
 Heptachlor Epoxide 0.220 0.05 ug/L 0.250 88.1 61-128  
 Endrin 0.225 0.05 ug/L 0.250 89.8 45-152  
 Methoxychlor 0.245 0.05 ug/L 0.250 98.0 60-153

Surrogate: Tetrachloro-m-xylene 0.487 ug/L 0.600 81.2 31-116

LCS Dup (1HG1529-BSD1) Prepared: 07/29/24 15:00 Analyzed: 08/09/24 09:10

Gamma-BHC [Lindane] 0.219 0.05 ug/L 0.250 87.8 44-124 6.99 30  
 Heptachlor Epoxide 0.236 0.05 ug/L 0.250 94.2 61-128 6.68 30  
 Endrin 0.240 0.05 ug/L 0.250 95.9 45-152 6.54 30  
 Methoxychlor 0.262 0.05 ug/L 0.250 105 60-153 6.92 30

Surrogate: Tetrachloro-m-xylene 0.474 ug/L 0.600 78.9 31-116

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|--|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 1HG1419 - General Prep Micro - SM 5210 B**

Blank (1HG1419-BLK1) Prepared: 07/26/24 08:20 Analyzed: 07/26/24 10:14

BOD (5 day) <2 2 mg/L K1

Duplicate (1HG1419-DUP1) Source: 1HG1952-01 Prepared: 07/26/24 08:20 Analyzed: 07/26/24 11:45

BOD (5 day) <24 24 mg/L ND 30

Reference (1HG1419-SRM1) Prepared: 07/26/24 08:20 Analyzed: 07/26/24 10:39



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1HG2038

| Determination of Conventional Chemistry Parameters           | Result | RL    | Units | Spike Level  | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|--------|-------|-------|--|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 1HG1419 - General Prep Micro - SM 5210 B</b>        |        |       |       |  |               |      |             |       |           |       |
| <b>Reference (1HG1419-SRM1)</b>                              |        |       |       | Prepared: 07/26/24 08:20 Analyzed: 07/26/24 10:39                    |               |      |             |       |           |       |
| BOD (5 day)  | <100   | 100   | mg/L  | 198  |               |      | 84.6-115.4  |       |           | K2    |
| <b>Batch 1HG1420 - Wet Chem Preparation - SM 4500 H+ B</b>   |        |       |       |  |               |      |             |       |           |       |
| <b>Duplicate (1HG1420-DUP1)</b>                              |        |       |       | Source: 1HG1886-01 Prepared: 07/26/24 08:21 Analyzed: 07/26/24 10:40 |               |      |             |       |           |       |
| pH   | 7.1    | 0.5   | pH    | 7.1  |               |      |             | 0.183 | 10        |       |
| <b>Reference (1HG1420-SRM1)</b>                              |        |       |       | Prepared: 07/26/24 08:21 Analyzed: 07/26/24 10:40                    |               |      |             |       |           |       |
| pH   | 7.1    | 0.5   | pH    | 7.00   |               | 101  | 90-110      |       |           |       |
| <b>Reference (1HG1420-SRM2)</b>                              |        |       |       | Prepared: 07/26/24 08:21 Analyzed: 07/26/24 10:40                    |               |      |             |       |           |       |
| pH   | 7.1    | 0.5   | pH    | 7.00   |               | 101  | 90-110      |       |           |       |
| <b>Batch 1HG1436 - Wet Chem Preparation - 4500CN-E</b>       |        |       |       |  |               |      |             |       |           |       |
| <b>Blank (1HG1436-BLK1)</b>                                  |        |       |       | Prepared: 07/26/24 10:45 Analyzed: 08/01/24 13:28                    |               |      |             |       |           |       |
| Cyanide, total   | <0.005 | 0.005 | mg/L  |  |               |      |             |       |           |       |
| <b>LCS (1HG1436-BS1)</b>                                     |        |       |       | Prepared: 07/26/24 10:45 Analyzed: 08/01/24 13:28                    |               |      |             |       |           |       |
| Cyanide, total   | 0.053  | 0.005 | mg/L  | 0.0600   |               | 88.7 | 64-123      |       |           |       |
| <b>Matrix Spike (1HG1436-MS1)</b>                            |        |       |       | Source: 1HG1956-02 Prepared: 07/26/24 10:45 Analyzed: 08/01/24 13:28 |               |      |             |       |           |       |
| Cyanide, total   | 0.041  | 0.005 | mg/L  | 0.0600   | ND            | 67.8 | 60-127      |       |           |       |
| <b>Matrix Spike Dup (1HG1436-MSD1)</b>                       |        |       |       | Source: 1HG1956-02 Prepared: 07/26/24 10:45 Analyzed: 08/01/24 13:28 |               |      |             |       |           |       |
| Cyanide, total   | 0.054  | 0.005 | mg/L  | 0.0600   | ND            | 90.1 | 60-127      | 28.3  | 30        |       |
| <b>Batch 1HG1493 - Wet Chem Preparation - USGS I-3765-85</b> |        |       |       |  |               |      |             |       |           |       |
| <b>Blank (1HG1493-BLK1)</b>                                  |        |       |       | Prepared: 07/29/24 08:53 Analyzed: 07/29/24 11:40                    |               |      |             |       |           |       |
| Total Suspended Solids (TSS)                                 | <1     | 1     | mg/L  |  |               |      |             |       |           |       |
| <b>LCS (1HG1493-BS1)</b>                                     |        |       |       | Prepared: 07/29/24 08:53 Analyzed: 07/29/24 11:40                    |               |      |             |       |           |       |
| Total Suspended Solids (TSS)                                 | 13.3   | 1     | mg/L  | 15.0   |               | 88.7 | 71-110      |       |           |       |
| <b>Duplicate (1HG1493-DUP1)</b>                              |        |       |       | Source: 1HG1982-01 Prepared: 07/29/24 08:53 Analyzed: 07/29/24 11:40 |               |      |             |       |           |       |
| Total Suspended Solids (TSS)                                 | 232    | 1     | mg/L  | 220  |               |      |             | 5.31  | 30        |       |
| <b>Batch 1HG1516 - Wet Chem Preparation - USGS I-3765-85</b> |        |       |       |  |               |      |             |       |           |       |
| <b>Blank (1HG1516-BLK1)</b>                                  |        |       |       | Prepared: 07/29/24 12:02 Analyzed: 07/29/24 14:30                    |               |      |             |       |           |       |
| Total Suspended Solids (TSS)                                 | <1     | 1     | mg/L  |  |               |      |             |       |           |       |
| <b>LCS (1HG1516-BS1)</b>                                     |        |       |       | Prepared: 07/29/24 12:02 Analyzed: 07/29/24 14:30                    |               |      |             |       |           |       |
| Total Suspended Solids (TSS)                                 | 13.0   | 1     | mg/L  | 15.0   |               | 86.7 | 71-110      |       |           |       |
| <b>Duplicate (1HG1516-DUP1)</b>                              |        |       |       | Source: 1HG2066-01 Prepared: 07/29/24 12:02 Analyzed: 07/29/24 14:30 |               |      |             |       |           |       |
| Total Suspended Solids (TSS)                                 | 52.0   | 1     | mg/L  | 54.0   |               |      |             | 3.77  | 30        |       |
| <b>Batch 1HH0016 - Wet Chem Preparation - EPA 420.1</b>      |        |       |       |  |               |      |             |       |           |       |



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1HG2038

| Determination of  | Result | RL    | Units | Spike Level  | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|---|--------|-------|-------|--|---------------|------|-------------|--------|-----------|-------|
| <b>Determination of Conventional Chemistry Parameters</b> |        |       |       |  |               |      |             |        |           |       |
| <b>Batch 1HH0016 - Wet Chem Preparation - EPA 420.1</b>   |        |       |       |  |               |      |             |        |           |       |
| <b>Blank (1HH0016-BLK1)</b>                               |        |       |       | Prepared: 08/01/24 09:02 Analyzed: 08/02/24 10:42                    |               |      |             |        |           |       |
| Phenols, total  | <0.035 | 0.035 | mg/L  |  |               |      |             |        |           |       |
| <b>LCS (1HH0016-BS1)</b>                                  |        |       |       | Prepared: 08/01/24 09:02 Analyzed: 08/02/24 10:42                    |               |      |             |        |           |       |
| Phenols, total  | 0.289  | 0.035 | mg/L  | 0.400  |               | 72.2 | 60-125      |        |           |       |
| <b>Matrix Spike (1HH0016-MS1)</b>                         |        |       |       | Source: 1HG1796-01 Prepared: 08/01/24 09:02 Analyzed: 08/02/24 10:42 |               |      |             |        |           |       |
| Phenols, total  | 0.333  | 0.035 | mg/L  | 0.400  | ND            | 83.3 | 50-139      |        |           |       |
| <b>Matrix Spike Dup (1HH0016-MSD1)</b>                    |        |       |       | Source: 1HG1796-01 Prepared: 08/01/24 09:02 Analyzed: 08/02/24 10:42 |               |      |             |        |           |       |
| Phenols, total  | 0.354  | 0.035 | mg/L  | 0.400  | ND            | 88.5 | 50-139      | 5.96   | 21        |       |
| <b>Batch 1HH0186 - General Prep HPLC/IC - TIMBERLINE</b>  |        |       |       |  |               |      |             |        |           |       |
| <b>Blank (1HH0186-BLK1)</b>                               |        |       |       | Prepared: 08/05/24 14:45 Analyzed: 08/06/24 10:00                    |               |      |             |        |           |       |
| Nitrogen, Ammonia   | <0.10  | 0.10  | mg/L  |  |               |      |             |        |           |       |
| <b>LCS (1HH0186-BS1)</b>                                  |        |       |       | Prepared: 08/05/24 14:45 Analyzed: 08/06/24 10:01                    |               |      |             |        |           |       |
| Nitrogen, Ammonia   | 5.17   | 0.10  | mg/L  | 5.00   |               | 103  | 90-114      |        |           |       |
| <b>Matrix Spike (1HH0186-MS1)</b>                         |        |       |       | Source: 1HG2001-01 Prepared: 08/05/24 14:45 Analyzed: 08/06/24 10:03 |               |      |             |        |           |       |
| Nitrogen, Ammonia   | 5.44   | 0.10  | mg/L  | 5.00   | 0.182         | 105  | 84-115      |        |           |       |
| <b>Matrix Spike Dup (1HH0186-MSD1)</b>                    |        |       |       | Source: 1HG2001-01 Prepared: 08/05/24 14:45 Analyzed: 08/06/24 10:04 |               |      |             |        |           |       |
| Nitrogen, Ammonia   | 5.37   | 0.10  | mg/L  | 5.00   | 0.182         | 104  | 84-115      | 1.26   | 20        |       |
| <b>Determination of Inorganic Anions</b>                  |        |       |       |  |               |      |             |        |           |       |
| <b>Batch 1HH0164 - General Prep HPLC/IC - 300.0</b>       |        |       |       |  |               |      |             |        |           |       |
| <b>Blank (1HH0164-BLK1)</b>                               |        |       |       | Prepared: 08/02/24 00:00 Analyzed: 08/02/24 10:41                    |               |      |             |        |           |       |
| Chloride  | <1.0   | 1.0   | mg/L  |  |               |      |             |        |           |       |
| <b>Blank (1HH0164-BLK2)</b>                               |        |       |       | Prepared: 08/02/24 00:00 Analyzed: 08/02/24 15:55                    |               |      |             |        |           |       |
| Chloride  | <1.0   | 1.0   | mg/L  |  |               |      |             |        |           |       |
| <b>LCS (1HH0164-BS1)</b>                                  |        |       |       | Prepared: 08/02/24 00:00 Analyzed: 08/02/24 22:38                    |               |      |             |        |           |       |
| Chloride  | 14.48  | 1.0   | mg/L  | 15.3   |               | 94.5 | 90-110      |        |           |       |
| <b>LCS Dup (1HH0164-BSD1)</b>                             |        |       |       | Prepared: 08/02/24 00:00 Analyzed: 08/02/24 23:01                    |               |      |             |        |           |       |
| Chloride  | 14.48  | 1.0   | mg/L  | 15.3   |               | 94.5 | 90-110      | 0.0276 | 10        |       |
| <b>Matrix Spike (1HH0164-MS1)</b>                         |        |       |       | Source: 1HG1855-01 Prepared: 08/02/24 00:00 Analyzed: 08/03/24 00:08 |               |      |             |        |           |       |
| Chloride  | 176.7  | 5.0   | mg/L  | 76.6   | 98.58         | 102  | 80-120      |        |           |       |
| <b>Matrix Spike Dup (1HH0164-MSD1)</b>                    |        |       |       | Source: 1HG1855-01 Prepared: 08/02/24 00:00 Analyzed: 08/03/24 00:30 |               |      |             |        |           |       |
| Chloride  | 176.8  | 5.0   | mg/L  | 76.6   | 98.58         | 102  | 80-120      | 0.0877 | 10        |       |
| <b>Batch 1HH0239 - General Prep HPLC/IC - 300.0</b>       |        |       |       |  |               |      |             |        |           |       |
| <b>Blank (1HH0239-BLK1)</b>                               |        |       |       | Prepared: 08/05/24 00:00 Analyzed: 08/05/24 10:15                    |               |      |             |        |           |       |
| Chloride  | <1.0   | 1.0   | mg/L  |  |               |      |             |        |           |       |



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1HG2038

| Determination of Inorganic Anions  | Result  | RL     | Units | Spike Level | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
|--|---------|--------|-------|-------------|---------------|------|-------------|-------|-----------|-------|-------------------------------|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|-----------------------------|--|--|--|--|--|--|--|--|--|--|----------------|---------|--------|------|--|--|--|--|--|--|--|---------------|---------|--------|------|--|--|--|--|--|--|--|----------------|---------|--------|------|--|--|--|--|--|--|--|-----------------|---------|--------|------|--|--|--|--|--|--|--|---------------|---------|--------|------|--|--|--|--|--|--|--|-------------|---------|--------|------|--|--|--|--|--|--|--|-------------------|---------|--------|------|--|--|--|--|--|--|--|---------------|---------|--------|------|--|--|--|--|--|--|--|-----------------|---------|--------|------|--|--|--|--|--|--|--|---------------|---------|--------|------|--|--|--|--|--|--|--|-------------|---------|--------|------|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--------------------------|--|--|--|--|--|--|--|--|--|--|----------------|--------|--------|------|-------|--|------|--------|--|--|--|
| <b>Batch 1HH0239 - General Prep HPLC/IC - 300.0</b>  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 08/05/24 00:00 Analyzed: 08/05/24 17:01  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>Blank (1HH0239-BLK2)</b>  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chloride   | <1.0    | 1.0    | mg/L  |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 08/05/24 00:00 Analyzed: 08/05/24 21:33  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>Blank (1HH0239-BLK3)</b>  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chloride   | <1.0    | 1.0    | mg/L  |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 08/05/24 00:00 Analyzed: 08/06/24 02:42  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>Blank (1HH0239-BLK4)</b>  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chloride   | <1.0    | 1.0    | mg/L  |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 08/05/24 00:00 Analyzed: 08/05/24 10:51  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>LCS (1HH0239-BS1)</b>   |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chloride   | 14.05   | 1.0    | mg/L  | 15.3        |               | 91.7 | 90-110      |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 08/05/24 00:00 Analyzed: 08/05/24 22:27  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>LCS (1HH0239-BS2)</b>   |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chloride   | 14.12   | 1.0    | mg/L  | 15.3        |               | 92.1 | 90-110      |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 08/05/24 00:00 Analyzed: 08/05/24 11:09  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>LCS Dup (1HH0239-BSD1)</b>  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chloride   | 14.02   | 1.0    | mg/L  | 15.3        |               | 91.5 | 90-110      | 0.249 | 10        |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 08/05/24 00:00 Analyzed: 08/05/24 22:45  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>LCS Dup (1HH0239-BSD2)</b>  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chloride   | 14.06   | 1.0    | mg/L  | 15.3        |               | 91.8 | 90-110      | 0.419 | 10        |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 08/05/24 00:00 Analyzed: 08/05/24 13:41  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>Matrix Spike (1HH0239-MS1)</b>  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chloride   | 275.8   | 10.0   | mg/L  | 153         | 126.2         | 97.6 | 80-120      |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 08/05/24 00:00 Analyzed: 08/05/24 23:22  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>Matrix Spike (1HH0239-MS2)</b>  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chloride   | 379.7   | 10.0   | mg/L  | 153         | 228.8         | 98.5 | 80-120      |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 08/05/24 00:00 Analyzed: 08/05/24 13:59  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>Matrix Spike Dup (1HH0239-MSD1)</b>   |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chloride   | 277.6   | 10.0   | mg/L  | 153         | 126.2         | 98.8 | 80-120      | 0.647 | 10        |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 08/05/24 00:00 Analyzed: 08/05/24 23:40  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>Matrix Spike Dup (1HH0239-MSD2)</b>   |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chloride   | 381.7   | 10.0   | mg/L  | 153         | 228.8         | 99.8 | 80-120      | 0.536 | 10        |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <table border="1"> <thead> <tr> <th>Determination of Total Metals</th> <th>Result</th> <th>RL</th> <th>Units</th> <th>Spike Level</th> <th>Source Result</th> <th>%REC</th> <th>%REC Limits</th> <th>RPD</th> <th>RPD Limit</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td colspan="11"><b>Batch 1HG1407 - EPA 200.2 Total ICP-MS - EPA 200.8</b></td> </tr> <tr> <td colspan="11">Prepared: 07/25/24 16:27 Analyzed: 07/29/24 19:12</td> </tr> <tr> <td><b>Blank (1HG1407-BLK1)</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Arsenic, total</td> <td>&lt;0.0020</td> <td>0.0020</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Barium, total</td> <td>&lt;0.0020</td> <td>0.0020</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Cadmium, total</td> <td>&lt;0.0002</td> <td>0.0002</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Chromium, total</td> <td>&lt;0.0020</td> <td>0.0020</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Copper, total</td> <td>&lt;0.0020</td> <td>0.0020</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Lead, total</td> <td>&lt;0.0008</td> <td>0.0008</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Molybdenum, total</td> <td>&lt;0.0020</td> <td>0.0020</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Nickel, total</td> <td>&lt;0.0040</td> <td>0.0040</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Selenium, total</td> <td>&lt;0.0040</td> <td>0.0040</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Silver, total</td> <td>&lt;0.0020</td> <td>0.0020</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Zinc, total</td> <td>&lt;0.0200</td> <td>0.0200</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="11">Prepared: 07/25/24 16:27 Analyzed: 07/29/24 19:18</td> </tr> <tr> <td><b>LCS (1HG1407-BS1)</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Arsenic, total</td> <td>0.0951</td> <td>0.0020</td> <td>mg/L</td> <td>0.100</td> <td></td> <td>95.1</td> <td>85-115</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |         |        |       |             |               |      |             |       |           |       | Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | <b>Batch 1HG1407 - EPA 200.2 Total ICP-MS - EPA 200.8</b> |  |  |  |  |  |  |  |  |  |  | Prepared: 07/25/24 16:27 Analyzed: 07/29/24 19:12 |  |  |  |  |  |  |  |  |  |  | <b>Blank (1HG1407-BLK1)</b> |  |  |  |  |  |  |  |  |  |  | Arsenic, total | <0.0020 | 0.0020 | mg/L |  |  |  |  |  |  |  | Barium, total | <0.0020 | 0.0020 | mg/L |  |  |  |  |  |  |  | Cadmium, total | <0.0002 | 0.0002 | mg/L |  |  |  |  |  |  |  | Chromium, 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 |  |  |  |  |  |  |  | Zinc, total | <0.0200 | 0.0200 | mg/L |  |  |  |  |  |  |  | Prepared: 07/25/24 16:27 Analyzed: 07/29/24 19:18 |  |  |  |  |  |  |  |  |  |  | <b>LCS (1HG1407-BS1)</b> |  |  |  |  |  |  |  |  |  |  | Arsenic, total | 0.0951 | 0.0020 | mg/L | 0.100 |  | 95.1 | 85-115 |  |  |  |
| Determination of Total Metals  | Result  | RL     | Units | Spike Level | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>Batch 1HG1407 - EPA 200.2 Total ICP-MS - EPA 200.8</b>  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 07/25/24 16:27 Analyzed: 07/29/24 19:12  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>Blank (1HG1407-BLK1)</b>  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Arsenic, total   | <0.0020 | 0.0020 | mg/L  |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Barium, total  | <0.0020 | 0.0020 | mg/L  |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Cadmium, total   | <0.0002 | 0.0002 | mg/L  |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Chromium, 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  |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Zinc, total  | <0.0200 | 0.0200 | mg/L  |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Prepared: 07/25/24 16:27 Analyzed: 07/29/24 19:18  |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| <b>LCS (1HG1407-BS1)</b>   |         |        |       |             |               |      |             |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |
| Arsenic, total   | 0.0951  | 0.0020 | mg/L  | 0.100       |               | 95.1 | 85-115      |       |           |       |                               |        |    |       |             |               |      |             |     |           |       |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |                   |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |                 |         |        |      |  |  |  |  |  |  |  |               |         |        |      |  |  |  |  |  |  |  |             |         |        |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |  |                |        |        |      |       |  |      |        |  |  |  |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HG2038

| Determination of Total Metals   | Result | RL     | Units | Spike Level | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|---|--------|--------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch 1HG1407 - EPA 200.2 Total ICP-MS - EPA 200.8</b>   |        |        |       |             |               |      |             |      |           |       |
| <b>LCS (1HG1407-BS1)</b> Prepared: 07/25/24 16:27 Analyzed: 07/29/24 19:18                                  |        |        |       |             |               |      |             |      |           |       |
| Barium, total   | 0.108  | 0.0020 | mg/L  | 0.100       |               | 108  | 85-115      |      |           |       |
| Cadmium, total  | 0.0970 | 0.0002 | mg/L  | 0.100       |               | 97.0 | 85-115      |      |           |       |
| Chromium, total   | 0.101  | 0.0020 | mg/L  | 0.100       |               | 101  | 85-115      |      |           |       |
| Copper, total   | 0.102  | 0.0020 | mg/L  | 0.100       |               | 102  | 85-115      |      |           |       |
| Lead, total   | 0.104  | 0.0008 | mg/L  | 0.100       |               | 104  | 85-115      |      |           |       |
| Molybdenum, total   | 0.102  | 0.0020 | mg/L  | 0.100       |               | 102  | 85-115      |      |           |       |
| Nickel, total   | 0.103  | 0.0040 | mg/L  | 0.100       |               | 103  | 85-115      |      |           |       |
| Selenium, total   | 0.0918 | 0.0040 | mg/L  | 0.100       |               | 91.8 | 85-115      |      |           |       |
| Silver, total   | 0.0991 | 0.0020 | mg/L  | 0.100       |               | 99.1 | 85-115      |      |           |       |
| Zinc, total   | 0.0927 | 0.0200 | mg/L  | 0.100       |               | 92.7 | 85-115      |      |           |       |
| <b>Matrix Spike (1HG1407-MS1)</b> Source: 1HG1956-01 Prepared: 07/25/24 16:27 Analyzed: 07/29/24 19:30      |        |        |       |             |               |      |             |      |           |       |
| Arsenic, total  | 0.109  | 0.0020 | mg/L  | 0.100       | 0.0009        | 108  | 70-130      |      |           |       |
| Barium, total   | 0.187  | 0.0020 | mg/L  | 0.100       | 0.0565        | 130  | 70-130      |      |           |       |
| Cadmium, total  | 0.103  | 0.0002 | mg/L  | 0.100       | ND            | 103  | 70-130      |      |           |       |
| Chromium, total   | 0.111  | 0.0020 | mg/L  | 0.100       | ND            | 111  | 70-130      |      |           |       |
| Copper, total   | 0.124  | 0.0020 | mg/L  | 0.100       | 0.0180        | 106  | 70-130      |      |           |       |
| Lead, total   | 0.106  | 0.0008 | mg/L  | 0.100       | ND            | 106  | 70-130      |      |           |       |
| Molybdenum, total   | 0.123  | 0.0020 | mg/L  | 0.100       | 0.0023        | 121  | 70-130      |      |           |       |
| Nickel, total   | 0.110  | 0.0040 | mg/L  | 0.100       | 0.0019        | 108  | 70-130      |      |           |       |
| Selenium, total   | 0.101  | 0.0040 | mg/L  | 0.100       | 0.0015        | 99.7 | 70-130      |      |           |       |
| Silver, total   | 0.106  | 0.0020 | mg/L  | 0.100       | ND            | 106  | 70-130      |      |           |       |
| Zinc, total   | 0.124  | 0.0200 | mg/L  | 0.100       | 0.0249        | 99.1 | 70-130      |      |           |       |
| <b>Matrix Spike Dup (1HG1407-MSD1)</b> Source: 1HG1956-01 Prepared: 07/25/24 16:27 Analyzed: 07/29/24 19:36 |        |        |       |             |               |      |             |      |           |       |
| Arsenic, total  | 0.0986 | 0.0020 | mg/L  | 0.100       | 0.0009        | 97.7 | 70-130      | 10.2 | 20        |       |
| Barium, total   | 0.160  | 0.0020 | mg/L  | 0.100       | 0.0565        | 104  | 70-130      | 15.3 | 20        |       |
| Cadmium, total  | 0.0939 | 0.0002 | mg/L  | 0.100       | ND            | 93.9 | 70-130      | 9.57 | 20        |       |
| Chromium, total   | 0.0996 | 0.0020 | mg/L  | 0.100       | ND            | 99.6 | 70-130      | 10.9 | 20        |       |
| Copper, total   | 0.111  | 0.0020 | mg/L  | 0.100       | 0.0180        | 93.5 | 70-130      | 10.9 | 20        |       |
| Lead, total   | 0.0967 | 0.0008 | mg/L  | 0.100       | ND            | 96.7 | 70-130      | 8.97 | 20        |       |
| Molybdenum, total   | 0.111  | 0.0020 | mg/L  | 0.100       | 0.0023        | 109  | 70-130      | 10.4 | 20        |       |
| Nickel, total   | 0.100  | 0.0040 | mg/L  | 0.100       | 0.0019        | 98.6 | 70-130      | 9.00 | 20        |       |
| Selenium, total   | 0.0926 | 0.0040 | mg/L  | 0.100       | 0.0015        | 91.0 | 70-130      | 8.97 | 20        |       |
| Silver, total   | 0.0962 | 0.0020 | mg/L  | 0.100       | ND            | 96.2 | 70-130      | 9.71 | 20        |       |
| Zinc, total   | 0.109  | 0.0200 | mg/L  | 0.100       | 0.0249        | 84.1 | 70-130      | 12.9 | 20        |       |
| <b>Post Spike (1HG1407-PS1)</b> Source: 1HG1956-01 Prepared: 07/25/24 16:27 Analyzed: 07/29/24 19:42        |        |        |       |             |               |      |             |      |           |       |
| Arsenic, total  | 0.0782 |        | mg/L  | 0.0800      | 0.0009        | 96.6 | 70-130      |      |           |       |
| Barium, total   | 0.139  |        | mg/L  | 0.0800      | 0.0553        | 104  | 70-130      |      |           |       |
| Cadmium, total  | 0.0729 |        | mg/L  | 0.0800      | 0.00003       | 91.1 | 70-130      |      |           |       |
| Chromium, total   | 0.0791 |        | mg/L  | 0.0800      | 0.0003        | 98.5 | 70-130      |      |           |       |
| Copper, total   | 0.0931 |        | mg/L  | 0.0800      | 0.0176        | 94.4 | 70-130      |      |           |       |
| Lead, total   | 0.0779 |        | mg/L  | 0.0800      | 0.0002        | 97.0 | 70-130      |      |           |       |
| Molybdenum, total   | 0.0879 |        | mg/L  | 0.0800      | 0.0023        | 107  | 70-130      |      |           |       |
| Nickel, total   | 0.0822 |        | mg/L  | 0.0800      | 0.0018        | 100  | 70-130      |      |           |       |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HG2038

| Determination of Total Metals | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|-------------------------------|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 1HG1407 - EPA 200.2 Total ICP-MS - EPA 200.8**

**Post Spike (1HG1407-PS1)** Source: 1HG1956-01 Prepared: 07/25/24 16:27 Analyzed: 07/29/24 19:42

|                 |        |  |      |        |        |      |        |  |  |  |
|-----------------|--------|--|------|--------|--------|------|--------|--|--|--|
| Selenium, total | 0.0725 |  | mg/L | 0.0800 | 0.0015 | 88.8 | 70-130 |  |  |  |
| Silver, total   | 0.0765 |  | mg/L | 0.0800 | 0.0004 | 95.2 | 70-130 |  |  |  |
| Zinc, total     | 0.0930 |  | mg/L | 0.0800 | 0.0244 | 85.7 | 70-130 |  |  |  |

**Batch 1HG1535 - EPA 7470A Hg Water - 245.1**

**Blank (1HG1535-BLK1)** Prepared: 07/29/24 15:17 Analyzed: 07/31/24 09:36

|                |          |         |      |  |  |  |  |  |  |  |
|----------------|----------|---------|------|--|--|--|--|--|--|--|
| Mercury, total | <0.00050 | 0.00050 | mg/L |  |  |  |  |  |  |  |
|----------------|----------|---------|------|--|--|--|--|--|--|--|

**LCS (1HG1535-BS1)** Prepared: 07/29/24 15:17 Analyzed: 07/31/24 09:38

|                |         |         |      |         |  |      |        |  |  |  |
|----------------|---------|---------|------|---------|--|------|--------|--|--|--|
| Mercury, total | 0.00240 | 0.00050 | mg/L | 0.00250 |  | 96.0 | 85-115 |  |  |  |
|----------------|---------|---------|------|---------|--|------|--------|--|--|--|

**Matrix Spike (1HG1535-MS1)** Source: 1HG1720-01 Prepared: 07/29/24 15:17 Analyzed: 07/31/24 09:50

|                |        |         |      |        |         |      |        |  |  |  |
|----------------|--------|---------|------|--------|---------|------|--------|--|--|--|
| Mercury, total | 0.0268 | 0.00500 | mg/L | 0.0250 | 0.00423 | 90.4 | 70-130 |  |  |  |
|----------------|--------|---------|------|--------|---------|------|--------|--|--|--|

**Matrix Spike Dup (1HG1535-MSD1)** Source: 1HG1720-01 Prepared: 07/29/24 15:17 Analyzed: 07/31/24 09:52

|                |        |         |      |        |         |      |        |      |    |  |
|----------------|--------|---------|------|--------|---------|------|--------|------|----|--|
| Mercury, total | 0.0261 | 0.00500 | mg/L | 0.0250 | 0.00423 | 87.7 | 70-130 | 2.60 | 10 |  |
|----------------|--------|---------|------|--------|---------|------|--------|------|----|--|

Definitions

- H4:** The test was performed outside of the EPA recommended holding time of 15 minutes.
- K1:** Unseeded dilution blank depletion exceeds 0.2 mg/L.
- K2:** Glucose/glutamic acid recovery was below acceptance limits. The reported value is estimated.
- M1:** Matrix spike recovery is above acceptance limits.
- RL:** Reporting Limit
- RPD:** Relative Percent Difference
- S4:** Surrogate recovery can not be accurately measured due to matrix interference.

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.0°C

Cooler Inspection Checklist

|                  |     |                        |     |
|------------------|-----|------------------------|-----|
| Custody Seals    | No  | Containers Intact      | Yes |
| COC/Labels Agree | Yes | Preservation Confirmed | No  |
| Received On Ice  | Yes |                        |     |

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

Sue Thompson

Sue Thompson  
Client Services Manager  
08/09/24 18:08

CHAIN OF CUSTODY RECORD



600 East 17th Street South  
 Newton, IA 50208  
 641-792-9454



Page 1 of 1  
 Printed: 7/11/2024 10:47:49A  
 www.kestonelabs.com

Page 25 of 27

HLW Engineering  
 PM: Heather Murphy

**SITE INFORMATION**

Sampler: TODD WHIPPLE

Project: Boone CO SLF Annual Leachate

**REPORT TO**

Todd Whipple  
 HLW Engineering  
 PO Box 314  
 Story City, IA 50246

John Roosa  
 Boone County Sanitary Landfill  
 1268 224th Lane  
 Boone, IA 50036

**SPECIAL INSTRUCTIONS**

None

Turn Around Time  
 Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

**LAB USE ONLY**

Work Order 1HG2038

Temperature 0.0

Turn-Cooler: No

Custody Seal  
 Containers Intact  
 COC/Labels Agree  
 Preservation Confirmed  
 Received on Ice

| Number | Sample Identification / Client ID | Matrix  | Sample Type | Date           | Time         | Number of Containers | Analyses   | Lab Sample Number |
|--------|-----------------------------------|---------|-------------|----------------|--------------|----------------------|--|-------------------|
| -001   | Leachate Tank #1                  | Aqueous | GRAB        | <u>7/24/24</u> | <u>13:32</u> | <u>15</u>            | 608-104<br>624-108<br>ag-t-200.8<br>ba-t-200.8<br>cd-t-200.8<br>cn-t-4500e<br>cu-t-200.8<br>mo-t-200.8<br>ni-t-200.8<br>ph-4500<br>se-t-200.8<br>zn-t-200.8<br>615-101<br>625-107<br>as-t-200.8<br>bod-5210<br>cl-300.0<br>cr-t-200.8<br>hg-t-245.1<br>nh3-timberline<br>pb-t-200.8<br>phenol-t-420.1<br>tss-i-3765-85 |                   |

Todd Whipple 7/25/24  
 Relinquished By Date/Time

Todd Whipple 7-25-24 10:45  
 Relinquished By Date/Time  
 Received for Lab By Date/Time

Remarks:  
See COC #2 - is it duplicate?

Received By Date/Time

Original - Lab Copy Yellow - Sampler Copy



CHAIN OF CUSTODY RECORD



600 East 17th Street So  
Newton, IA 50208  
641-792-9451



1 H G 2 0 3 8

HLW Engineering  
PM: Heather Murphy

Page 2 of  
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www.keystonelabs.com

Page 26 of 27

SITE INFORMATION

Sampler: TODD WHIPPLE  
Project: Boone CO SLF Annual Leachate

REPORT TO

Todd Whipple  
HLW Engineering  
PO Box 214  
Story City, IA 50246

John Roosa  
Boone County Sanitary Landfill  
1288 224th Lane  
Boone, IA 50036

SPECIAL INSTRUCTIONS

None

Turn Around Time

Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

LAB USE ONLY

Work Order 1HG2038

Temperature 0=C

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   | Leachate Tank #3                  | Aqueous | GRAB        | <u>7/24/24</u> | <u>13:15</u> | <u>15</u>            | 608-104<br>624-108<br>ag-t-200.8<br>ba-t-200.8<br>cd-t-200.8<br>cn-t-4500e<br>cu-t-200.8<br>mo-t-200.8<br>ni-t-200.8<br>ph-4500<br>se-t-200.8<br>zn-t-200.8 | 615-101<br>625-107<br>as-t-200.8<br>bod-5210<br>cl-300.0<br>cr-t-200.8<br>hg-t-245.1<br>nh3-timberline<br>pb-t-200.8<br>phenol-t-420.1<br>tss-i-3765-85 | <u>01</u>         |

Relinquished By [Signature] Date/Time 7/25/24

Relinquished By [Signature] Date/Time 7-25-24 10:45

Received By \_\_\_\_\_ Date/Time \_\_\_\_\_

Received for Lab By \_\_\_\_\_ Date/Time \_\_\_\_\_

Remarks:  
see COC #2

CHAIN OF CUSTODY RECORD



600 East 17th Street South  
 Newton, IA 50208  
 541-792-8451



HLW Engineering  
 PM: Heather Murphy

Page 3 of  
 Date: 7/11/2024 10:47:42A  
 www.keystonelabs.com

Page 27 of 27

**SITE INFORMATION**

Sampler: Todd Whipple

Project: Boone CO SLF Annual Leachate

**REPORT TO**

Todd Whipple  
 HLW Engineering  
 PO Box 314  
 Story City, IA 50246

John Riosa  
 Boone County Sanitary Landfill  
 1268 224th Lane  
 Boone, IA 50036

**SPECIAL INSTRUCTIONS**

None

Turn Around Time  
 Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

**LAB USE ONLY**

Work Order 1HG2038

Temperature 0.0

Turn-Cooler: No

- Custody Seal
- Containers Intact
- COC/Labels Agree
- Preservation Confirmed
- Received on Ice

| Number | Sample Identification / Client ID | Matrix  | Sample Type | Date           | Time         | Number of Containers | Analyses   | Lab Sample Number |
|--------|-----------------------------------|---------|-------------|----------------|--------------|----------------------|--|-------------------|
| -001   | Lagoon                            | Aqueous | GRAB        | <u>7/24/24</u> | <u>12:45</u> | <u>15</u>            | 608-104<br>624-108<br>ag-t-200.8<br>ba-t-200.8<br>cd-t-200.8<br>cn-t-4500e<br>cu-t-200.8<br>mo-t-200.8<br>ni-t-200.8<br>ph-4500<br>se-t-200.8<br>zn-t-200.8<br>615-101<br>625-107<br>as-t-200.8<br>bod-5210<br>cl-300.0<br>cr-t-200.8<br>hg-t-245.1<br>nh3-timberline<br>pb-t-200.8<br>phenol-t-420.1<br>tss-i-3765-85 | ---               |

Relinquished By [Signature] Date/Time 7/25/24

Relinquished By [Signature] Date/Time 7-25-24 10:45

Received By \_\_\_\_\_ Date/Time \_\_\_\_\_

Received for Lab By \_\_\_\_\_ Date/Time \_\_\_\_\_

Remarks:  
See COC # 2

## APPENDIX G.4 – Leachate Elevation Measurements

| Well/TOC LPZ-2R<br>Sept 14 1100.43 Boone Co SLF |                        |                    |                      |                          | Well/TOC LPZ-3<br>Jan 03 1083.81 1112.37 Boone Co SLF |                        |                    |                      |                          | Well/TOC LPZ-6R<br>Sept 14 1107.81 Boone Co SLF |                        |                    |                      |                          |
|---|------------------------|--------------------|----------------------|--------------------------|---|------------------------|--------------------|----------------------|--------------------------|---|------------------------|--------------------|----------------------|--------------------------|
| Date  | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) | Date  | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) | Date  | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) |
| 1/11/2024                                       | 43.42                  | 1057.01            | 1044.1               | 12.91                    | 1/11/2024   | 34.90                  | 1077.47            | 1024.8               | 52.67                    | 1/11/2024                                       | 67.57                  | 1040.24            | 1023.7               | 16.54                    |
| 2/24/2024                                       | 40.03                  | 1060.40            | 1044.1               | 16.30                    | 2/24/2024   | 33.13                  | 1079.24            | 1024.8               | 54.44                    | 2/24/2024                                       | 67.60                  | 1040.21            | 1023.7               | 16.51                    |
| 3/12/2024                                       | 41.42                  | 1059.01            | 1044.1               | 14.91                    | 3/12/2024   | 31.78                  | 1080.59            | 1024.8               | 55.79                    | 3/12/2024                                       | 67.60                  | 1040.21            | 1023.7               | 16.51                    |
| 4/23/2024                                       | 38.70                  | 1061.73            | 1044.1               | 17.63                    | 4/23/2024   | 31.46                  | 1080.91            | 1024.8               | 56.11                    | 4/23/2024                                       | 67.68                  | 1040.13            | 1023.7               | 16.43                    |
| 5/7/2024  | 34.60                  | 1065.83            | 1044.1               | 21.73                    | 5/7/2024  | 31.25                  | 1081.12            | 1024.8               | 56.32                    | 5/7/2024  | 67.81                  | 1040.00            | 1023.7               | 16.30                    |
| 6/3/2024  | 41.76                  | 1058.67            | 1044.1               | 14.57                    | 6/3/2024  | 31.51                  | 1080.86            | 1024.8               | 56.06                    | 6/3/2024  | 67.89                  | 1039.92            | 1023.7               | 16.22                    |
| 7/24/2024                                       | 43.16                  | 1057.27            | 1044.1               | 13.17                    | 7/24/2024   | 30.92                  | 1081.45            | 1024.8               | 56.65                    | 7/24/2024                                       | 67.94                  | 1039.87            | 1023.7               | 16.17                    |
| 8/6/2024  | 43.22                  | 1057.21            | 1044.1               | 13.11                    | 8/6/2024  | 31.15                  | 1081.22            | 1024.8               | 56.42                    | 8/6/2024  | 67.95                  | 1039.86            | 1023.7               | 16.16                    |
| 9/30/2024                                       | 43.83                  | 1056.60            | 1044.1               | 12.50                    | 9/30/2024   | 33.40                  | 1078.97            | 1024.8               | 54.17                    | 9/30/2024                                       | 67.98                  | 1039.83            | 1023.7               | 16.13                    |
| 10/2/2024                                       | 44.08                  | 1056.35            | 1044.1               | 12.25                    | 10/2/2024   | 33.75                  | 1078.62            | 1024.8               | 53.82                    | 10/2/2024                                       | 68.00                  | 1039.81            | 1023.7               | 16.11                    |
| 11/25/2024                                      | 39.30                  | 1061.13            | 1044.1               | 17.03                    | 11/25/2024  | 28.60                  | 1083.77            | 1024.8               | 58.97                    | 11/25/2024                                      | 68.20                  | 1039.61            | 1023.7               | 15.91                    |
| 12/9/2024                                       | 41.85                  | 1058.58            | 1044.1               | 14.48                    | 12/9/2024   | 31.67                  | 1080.70            | 1024.8               | 55.90                    | 12/9/2024                                       | 68.13                  | 1039.68            | 1023.7               | 15.98                    |

| Well/TOC LPZ-8A 1077.19 Boone Co SLF |                        |                    |                      |                          | Well/TOC LPZ-9 1089.5 Boone Co SLF<br>Jan 03 1094.55 |                        |                    |                      |                          | Well/TOC LPZ-10 1089.5 Boone Co SLF<br>Jan 03 1104.5 |                        |                    |                      |                          |
|--------------------------------------|------------------------|--------------------|----------------------|--------------------------|--|------------------------|--------------------|----------------------|--------------------------|--|------------------------|--------------------|----------------------|--------------------------|
| Date                                 | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) | Date   | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) | Date   | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) |
| 1/11/2024                            | 42.85                  | 1034.34            | 995.12               | 39.22                    | 1/11/2024  | 29.37                  | 1065.18            | 1021.30              | 43.88                    | 1/11/2024  | NR <sup>(2)</sup>      | NA                 | 998.5                | NA                       |
| 2/24/2024                            | 43.50                  | 1033.69            | 995.12               | 38.57                    | 2/24/2024  | 29.25                  | 1065.30            | 1021.30              | 44.00                    | 2/24/2024  | 29.28                  | 1075.22            | 998.5                | 76.72                    |
| 3/12/2024                            | 43.75                  | 1033.44            | 995.12               | 38.32                    | 3/12/2024  | 29.20                  | 1065.35            | 1021.30              | 44.05                    | 3/12/2024  | 28.62                  | 1075.88            | 998.5                | 77.38                    |
| 4/23/2024                            | 43.68                  | 1033.51            | 995.12               | 38.39                    | 4/23/2024  | 29.14                  | 1065.41            | 1021.30              | 44.11                    | 4/23/2024  | 28.58                  | 1075.92            | 998.5                | 77.42                    |
| 5/7/2024                             | 43.40                  | 1033.79            | 995.12               | 38.67                    | 5/7/2024   | 26.85                  | 1067.70            | 1021.30              | 46.40                    | 5/7/2024   | 20.70                  | 1083.80            | 998.5                | 85.30                    |
| 6/3/2024                             | 43.42                  | 1033.77            | 995.12               | 38.65                    | 6/3/2024   | 29.10                  | 1065.45            | 1021.30              | 44.15                    | 6/3/2024   | 27.60                  | 1076.90            | 998.5                | 78.40                    |
| 7/24/2024                            | 44.90                  | 1032.29            | 995.12               | 37.17                    | 7/24/2024  | 29.28                  | 1065.27            | 1021.30              | 43.97                    | 7/24/2024  | *                      |                    |                      |                          |
| 8/6/2024                             | 44.60                  | 1032.59            | 995.12               | 37.47                    | 8/6/2024   | 29.14                  | 1065.41            | 1021.30              | 44.11                    | 8/6/2024   | *                      |                    |                      |                          |
| 9/30/2024                            | 44.90                  | 1032.29            | 995.12               | 37.17                    | 9/30/2024  | 29.57                  | 1064.98            | 1021.30              | 43.68                    | 9/30/2024  | *                      |                    |                      |                          |
| 10/2/2024                            | 44.90                  | 1032.29            | 995.12               | 37.17                    | 10/2/2024  | 29.57                  | 1064.98            | 1021.30              | 43.68                    | 10/2/2024  | *                      |                    |                      |                          |
| 11/25/2024                           | 43.90                  | 1033.29            | 995.12               | 38.17                    | 11/25/2024   | 29.70                  | 1064.85            | 1021.30              | 43.55                    | 11/25/2024   | *                      |                    |                      |                          |
| 12/9/2024                            | 44.90                  | 1032.29            | 995.12               | 37.17                    | 12/9/2024  | 29.30                  | 1065.25            | 1021.30              | 43.95                    | 12/9/2024  | *                      |                    |                      |                          |

(2) Obstruction encountered at 30'  
Obstruction also noted during the 6/3/24 measurement  
\* Removed from monitoring system as per 7/17/24 IDNR letter

| Well/TOC LPZ-12 1076.88 Boone Co SLF |                        |                    |                      |                          | Well/TOC LPZ-13C 1095 Boone Co SLF |                        |                    |                      |                          | Well/TOC LPZ-14 Sept 14 1091.63 Boone Co SLF |                        |                    |                      |                          |
|--------------------------------------|------------------------|--------------------|----------------------|--------------------------|------------------------------------|------------------------|--------------------|----------------------|--------------------------|--|------------------------|--------------------|----------------------|--------------------------|
| Date                                 | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) | Date                               | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) | Date   | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) |
| 1/11/2024                            | 24.05                  | 1052.83            | 1047                 | 5.83                     | 1/11/2024                          | 29.55                  | 1065.45            | 1049.88              | 15.57                    | 1/11/2024                                    | 37.08                  | 1054.55            | 1046.4               | 8.15                     |
| 2/24/2024                            | 23.19                  | 1053.69            | 1047                 | 6.69                     | 2/24/2024                          | 29.28                  | 1065.72            | 1049.88              | 15.84                    | 2/24/2024                                    | 36.93                  | 1054.70            | 1046.4               | 8.30                     |
| 3/12/2024                            | 23.30                  | 1053.58            | 1047                 | 6.58                     | 3/12/2024                          | 29.11                  | 1065.89            | 1049.88              | 16.01                    | 3/12/2024                                    | 37.01                  | 1054.62            | 1046.4               | 8.22                     |
| 4/23/2024                            | 24.74                  | 1052.14            | 1047                 | 5.14                     | 4/23/2024                          | 29.15                  | 1065.85            | 1049.88              | 15.97                    | 4/23/2024                                    | 37.74                  | 1053.89            | 1046.4               | 7.49                     |
| 5/7/2024                             | 21.97                  | 1054.91            | 1047                 | 7.91                     | 5/7/2024                           | 29.28                  | 1065.72            | 1049.88              | 15.84                    | 5/7/2024                                     | 32.80                  | 1058.83            | 1046.4               | 12.43                    |
| 6/3/2024                             | 22.95                  | 1053.93            | 1047                 | 6.93                     | 6/3/2024                           | 29.50                  | 1065.50            | 1049.88              | 15.62                    | 6/3/2024                                     | 36.20                  | 1055.43            | 1046.4               | 9.03                     |
| 7/24/2024                            | 23.37                  | 1053.51            | 1047                 | 6.51                     | 7/24/2024                          | 29.71                  | 1065.29            | 1049.88              | 15.41                    | 7/24/2024                                    | 36.90                  | 1054.73            | 1046.4               | 8.33                     |
| 8/6/2024                             | 23.48                  | 1053.40            | 1047                 | 6.40                     | 8/6/2024                           | 29.62                  | 1065.38            | 1049.88              | 15.50                    | 8/6/2024                                     | 41.05                  | 1050.58            | 1046.4               | 4.18                     |
| 9/30/2024                            | 24.55                  | 1052.33            | 1047                 | 5.33                     | 9/30/2024                          | 29.50                  | 1065.50            | 1049.88              | 15.62                    | 9/30/2024                                    | 36.98                  | 1054.65            | 1046.4               | 8.25                     |
| 10/2/2024                            | 24.53                  | 1052.35            | 1047                 | 5.35                     | 10/2/2024                          | 29.76                  | 1065.24            | 1049.88              | 15.36                    | 10/2/2024                                    | 37.02                  | 1054.61            | 1046.4               | 8.21                     |
| 11/25/2024                           | 23.50                  | 1053.38            | 1047                 | 6.38                     | 11/25/2024                         | 22.60                  | 1072.40            | 1049.88              | 22.52                    | 11/25/2024                                   | 37.18                  | 1054.45            | 1046.4               | 8.05                     |
| 12/9/2024                            | 23.46                  | 1053.42            | 1047                 | 6.42                     | 12/9/2024                          | 25.30                  | 1069.70            | 1049.88              | 19.82                    | 12/9/2024                                    | 36.98                  | 1054.65            | 1046.4               | 8.25                     |

| Well/TOC LPZ-15<br>Sept 14 1088.47 Boone Co SLF |                        |                    |                      |                          | Well/TOC LPZ-17<br>Oct 21 973.5<br>Aug 23 <sup>(1)</sup> 973.8 Boone Co SLF |                        |                    |                      |                          |
|---|------------------------|--------------------|----------------------|--------------------------|---|------------------------|--------------------|----------------------|--------------------------|
| Date  | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) | Date  | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) |
| 1/11/2024                                       | 34.30                  | 1054.17            | 1045.3               | 8.87                     | 1/11/2024   | 8.25                   | 965.55             | 965.5                | 0.05                     |
| 2/24/2024                                       | 34.02                  | 1054.45            | 1045.3               | 9.15                     | 2/24/2024   | 8.30                   | 965.50             | 965.5                | 0.00                     |
| 3/12/2024                                       | 33.91                  | 1054.56            | 1045.3               | 9.26                     | 3/12/2024   | 8.30                   | 965.50             | 965.5                | 0.00                     |
| 4/23/2024                                       | 33.72                  | 1054.75            | 1045.3               | 9.45                     | 4/23/2024   | 8.18                   | 965.62             | 965.5                | 0.12                     |
| 5/7/2024  | 33.52                  | 1054.95            | 1045.3               | 9.65                     | 5/7/2024  | 8.30                   | 965.50             | 965.5                | 0.00                     |
| 6/3/2024  | 33.88                  | 1054.59            | 1045.3               | 9.29                     | 6/3/2024  | 8.15                   | 965.65             | 965.5                | 0.15                     |
| 7/24/2024                                       | 34.00                  | 1054.47            | 1045.3               | 9.17                     | 7/24/2024   | 8.15                   | 965.65             | 965.5                | 0.15                     |
| 8/6/2024  | 34.09                  | 1054.38            | 1045.3               | 9.08                     | 8/6/2024  | 8.11                   | 965.69             | 965.5                | 0.19                     |
| 9/30/2024                                       | 34.35                  | 1054.12            | 1045.3               | 8.82                     | 9/30/2024   | 8.15                   | 965.65             | 965.5                | 0.15                     |
| 10/2/2024                                       | 34.36                  | 1054.11            | 1045.3               | 8.81                     | 10/2/2024   | 8.15                   | 965.65             | 965.5                | 0.15                     |
| 11/25/2024                                      | 34.55                  | 1053.92            | 1045.3               | 8.62                     | 11/25/2024  | 8.30                   | 965.50             | 965.5                | 0.00                     |
| 12/9/2024                                       | 34.19                  | 1054.28            | 1045.3               | 8.98                     | 12/9/2024   | 8.23                   | 965.57             | 965.5                | 0.07                     |

(1) LPZ-17 repaired on August 29, 2023

| EW-1 1107.82 Boone Co SLF |                        |                    |                      |                          | Well/TOC EW-2 1110.92 Boone Co SLF |                        |                    |                      |                          | Leachate Tank #3        |                            |
|---------------------------|------------------------|--------------------|----------------------|--------------------------|------------------------------------|------------------------|--------------------|----------------------|--------------------------|-------------------------|----------------------------|
| Date                      | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) | Date                               | Depth to Leachate (ft) | Leachate Elevation | Waste Base Elevation | Saturated Thickness (ft) | Monthly* Gallons Hauled | Cumulative* Gallons Hauled |
| 1/11/2024                 | 77.55                  | 1030.27            | 1026                 | 4.27                     | 1/11/2024                          | 79.30                  | 1031.62            | 1029                 | 2.62                     | 9,653                   | 9,653                      |
| 2/24/2024                 | 76.57                  | 1031.25            | 1026                 | 5.25                     | 2/24/2024                          | 79.15                  | 1031.77            | 1029                 | 2.77                     | 0                       | 9,653                      |
| 3/12/2024                 | 77.40                  | 1030.42            | 1026                 | 4.42                     | 3/12/2024                          | 79.06                  | 1031.86            | 1029                 | 2.86                     | 0                       | 9,653                      |
| 4/23/2024                 | 77.42                  | 1030.40            | 1026                 | 4.40                     | 4/23/2024                          | 79.42                  | 1031.50            | 1029                 | 2.50                     | 9,915                   | 19,568                     |
| 5/7/2024                  | 77.28                  | 1030.54            | 1026                 | 4.54                     | 5/7/2024                           | 79.80                  | 1031.12            | 1029                 | 2.12                     | 0                       | 19,568                     |
| 6/3/2024                  | 77.08                  | 1030.74            | 1026                 | 4.74                     | 6/3/2024                           | 79.25                  | 1031.67            | 1029                 | 2.67                     | 6,656                   | 26,224                     |
| 7/24/2024                 | 77.38                  | 1030.44            | 1026                 | 4.44                     | 7/24/2024                          | 79.36                  | 1031.56            | 1029                 | 2.56                     | 0                       | 26,224                     |
| 8/6/2024                  | 77.70                  | 1030.12            | 1026                 | 4.12                     | 8/6/2024                           | 79.76                  | 1031.16            | 1029                 | 2.16                     | 0                       | 26,224                     |
| 9/30/2024                 | 76.85                  | 1030.97            | 1026                 | 4.97                     | 9/30/2024                          | 79.10                  | 1031.82            | 1029                 | 2.82                     | 0                       | 26,224                     |
| 10/2/2024                 | 77.42                  | 1030.40            | 1026                 | 4.40                     | 10/2/2024                          | 79.55                  | 1031.37            | 1029                 | 2.37                     | 0                       | 26,224                     |
| 11/25/2024                | 77.80                  | 1030.02            | 1026                 | 4.02                     | 11/25/2024                         | 78.80                  | 1032.12            | 1029                 | 3.12                     | 9,253                   | 35,477                     |
| 12/9/2024                 | 77.30                  | 1030.52            | 1026                 | 4.52                     | 12/9/2024                          | 79.85                  | 1031.07            | 1029                 | 2.07                     | 0                       | 35,477                     |

Display on EW-2 noted as off/fading during Jan. - Mar. readings, LCD display was repaired in late March.

\* Actual volumes weighed and hauled to POTW from Leachate Tank #3



## Appendix H

### Gas Monitoring Report

# Gas Monitoring Report

Explosive gas monitoring per 113.9(2) and the approved GMSP was conducted quarterly during the last reporting period (2023).

Explosive gas concentrations are recorded in Percent Lower Explosive Limits (% LEL) and were within regulatory guidelines during the monitoring episodes. Summary tables of gas monitoring are included in Appendix H.1.

.

## APPENDIX H.1 - Explosive Gas Monitoring Data

BOONE COUNTY SANITARY LANDFILL  
 IDNR PERMIT NO. 08-SDP-1-75P  
 EXPLOSIVE GAS MONITORING RESULTS

**March 12, 2024**

| Reference*<br>Location       | Combustible<br>% LEL |
|------------------------------|----------------------|
| <b><u>Subsurface</u></b>     |                      |
| GP-1                         | 0                    |
| GP-2 - Manhole               | 0                    |
| GP-3 - Manhole               | 0                    |
| GP-4                         | <b>21.3</b>          |
| GP-5                         | 0                    |
| GP-6                         | 0                    |
| GP-7                         | 0                    |
| GP-8                         | 0                    |
| GU-3                         | NT*                  |
| GU-4                         | 0                    |
| Scale Pit                    | 0                    |
| GWD-1 Manhole                | <b>42.2</b>          |
| <b><u>Breathing Zone</u></b> |                      |
| New Shop/Maintenance         | 0                    |
| Scale Pit                    | 0                    |
| Scale House                  | 0                    |
| Shop 1 - Attached            | 0                    |
| Shop 2 - cold storage        | 0                    |

\* Buried

**June 3, 2024**

| Reference*<br>Location       | Combustible<br>% LEL |
|------------------------------|----------------------|
| <b><u>Subsurface</u></b>     |                      |
| GP-1                         | 0                    |
| GP-2 - Manhole               | 0                    |
| GP-3 - Manhole               | 0                    |
| GP-4                         | <b>4</b>             |
| GP-5                         | 0                    |
| GP-6                         | 0                    |
| GP-7                         | 0                    |
| GP-8                         | 0                    |
| GU-3                         | 0                    |
| GU-4                         | 0                    |
| Scale Pit                    | 0                    |
| GWD-1 Manhole                | 0                    |
| <b><u>Breathing Zone</u></b> |                      |
| New Shop/Maintenance         | 0                    |
| Scale Pit                    | 0                    |
| Scale House                  | 0                    |
| Shop 1 - Attached            | 0                    |
| Shop 2 - cold storage        | 0                    |

**September 30, 2024**

| Reference*<br>Location       | Combustible<br>% LEL |
|------------------------------|----------------------|
| <b><u>Subsurface</u></b>     |                      |
| GP-1                         | 0                    |
| GP-2 - Manhole               | 0                    |
| GP-3 - Manhole               | 0                    |
| GP-4                         | <b>7.0</b>           |
| GP-5                         | 0                    |
| GP-6                         | 0                    |
| GP-7                         | 0                    |
| GP-8                         | 0                    |
| GU-3                         | 0                    |
| GU-4                         | NT*                  |
| Scale Pit                    | 0                    |
| GWD-1 Manhole                | <b>4.6</b>           |
| <b><u>Breathing Zone</u></b> |                      |
| New Shop/Maintenance         | 0                    |
| Scale Pit                    | 0                    |
| Scale House                  | 0                    |
| Shop 1 - Attached            | 0                    |
| Shop 2 - cold storage        | 0                    |

\* Buried

**December 9, 2024**

| Reference*<br>Location       | Combustible<br>% LEL |
|------------------------------|----------------------|
| <b><u>Subsurface</u></b>     |                      |
| GP-1                         | 0                    |
| GP-2 - Manhole               | 0                    |
| GP-3 - Manhole               | 0                    |
| GP-4                         | <b>39.9</b>          |
| GP-5                         | 0                    |
| GP-6                         | 0                    |
| GP-7                         | 0                    |
| GP-8                         | 0                    |
| GU-3                         | 0                    |
| GU-4                         | 0                    |
| Scale Pit                    | 0                    |
| GWD-1 Manhole                | 0                    |
| <b><u>Breathing Zone</u></b> |                      |
| New Shop/Maintenance         | 0                    |
| Scale Pit                    | 0                    |
| Scale House                  | 0                    |
| Shop 1 - Attached            | 0                    |
| Shop 2 - cold storage        | 0                    |